STRANGE MINDS



A SOURCEBOOK OF UNUSUAL MENTAL PHENOMENA

WILLIAM R. CORLISS

VOLUME

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NAMES AND DESCRIPTIONS

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PREFACE

With an address of trapistation, we begin a manifold surface in specificity. At the Date of Clusters in their agence, the adaption transic installers are overly prospective to the above producentally modellice and the stranger amounts of binsic behavior. The word, after all, declinate these phenomena, too. The green of binsic behavior. The word, after all, declinate these phenomena, too. The green of binsic behavior, as the installation of the production of the stranger amounts of the luxure body. Proposition of the production of the stranger of the stranger of the stranger of the production of the stranger of the stranger of the stranger of the stranger of the condition with the trapistors of the specific contribution of the stranger of th

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perspaymenter use Bell Mr. DO FERRE HOUSER'S NOW DEVELOP A GARDEN SKILL GRANDER SKILL

The data included here have been filtered only slightly. Doublets seem houses and houses ministerpretations will be found. This is convenionly to preview of this moops. Indeed, own the more represent screens have been subject to Frank. Int it must be attention that psychology and pumper-bodge are more essengible to characteristic that prefer on the convenience; and the "familie" believes

with those in the other serion.

Data have been relected according to their "strangeness" and their tendently to controdist provading selectific hypotheses or stretch them beyond their protect hemsels. There has also been a debibered select to gather in data from the 19th Cortiss" and are becausing less and been accessible sended the conders indepression selection. Accession services are too rare of objected teaches they are often excession comp

This is a sourcebook and I now haries to acknowledge the energ writers of articles, books, letters-to-the-solitor, and the energy either publications that form the foundation of this book. Where longify questioned are taken from publication still pre-

Special acknowledgments are the Livingston Gearhart, who helped retect and previde articles, John C. Holden, who provided Illustrations in a field where interesting

PREFACE artwerk is scarce, my wife. Virginia, who types all the involces and telerates interests biles of searcebooks with good humor, and Delayar Pafford, who typed this and the preceding neven sourcebooks. William R. Cortisa Glex Arm. Marriand 21087 September 15, 1976 P1-11

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Haller Leathern

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PI	Information Processing	FEC	Calculating prodigies Educio Errages		

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Darts in a plan is the assignment of letter codes. The first letter indicates a broad, powers field of asisson, such as psychology, P. The accord and third letters are neutrant to sections and moleculous within this poweral field, as "limitarized below:

Paychology is major field of actorool

Disnoclative behavior in section

Noneasic writing is subsection

The sections denoted by the second letters are based upon the general characters of the phenomena within these sections; the revolution of incodingle to the observer, observed behavior, observations of medical parameters, and so on. Assumation serving, the sample, is a type of observation behavior to which subject dissociation

The physicition (third litter) are narrown in scope than the auditors. Experience, between I have been the absorbious must be bread is accorpant the great variety of physicisms in a reasonable number of entegrates. They cannot be two bread, fleaging its scope in the control of the physicisms of the physicisms of the physicisms of the physicisms of the physicisms. A complete the other physicisms and subsections now it is the proceedant to the physicisms and subsections now it is the proceedant tomor the place of the physicisms of

When meanthing for a specific entry, man the running heads at the tops of the pages; they give the entry considers as well as the subsection titles. The person who reads for contently asks will find that each subsection in much like a chapter, with many related thems grouped together.

force larger works, especially books, easer so much ground that their contents have been split up into the appropriate subsections.

The boosenfood formus of the appropriate ratios it possible to combine material sub-

The toose-beaf forms of the surrobooks makes it passible to combine material and section by subsection as new volumes are issued.

Each volume is indeped by select, by author, and by data source. Each volume is

Each volume in indexed by subject, by dather, and by that outer, one occasion and -contained. With the incompan of future reduces, exemistricy indexes will be compiled. There will be no necessity to hard through several induces to find sensetting. Secure some major fluids are interestated, it will contain prove onefal to commission indoors from reference as biology, astronomy, geology, and so on.

RGANIZATION OF THE SOURCEPOOKS

References repotations, and Committee's Summaries are printed \$41-with, while all References, monotations, and Computer's Summaries are present dat-white, were so direct coastes are indented. When an entry has no formal title, a descriptive title to remarked and placed in bresheld to indicate its artificial nature. Reing a sourcebook, the copy of this volume constate of the direct contations force

inns. constantions, and even a low types. After all, only the eve-without our morein rigs, possingliess, and even a new types. After all, only the sys-winner own words convey the facts as he perceived them. Requigitations and servers, so consens these days, are already once or twice removed from the sunst. The whole object of these courrebecks in to give the reader and resourcher as organized collection of original writings on the constant facuts of nature. Much of this unique information is being lost as libraries become more highly computerized. Buts selected for the data basic must have current relevance and he acceptable to the settence of the day. Honefully, these assertableshy will preserve permething of value and kelp focus the diverge, which disserted anomalies on the frestiers of science. They should also be interesting

SECTION PB: DISSOCIATIVE BEHAVIOR As inspectant method of problets assemblous treated conditions involves analyzing the

behavior of the affected analysets. By far the most important class of "psychic behavior" originates in what in termod "dissociations." Dissociation behavior originate when mercand consections obstacted in modified, sometimes overwhelmed, by substitution activities. This exceeds self-environment the hand of an automatic voters, On ecosions, the secondary personality will take over all bottly activity and man multiple personality will take over all bottly activity and was multiple personality or on "Decames, steps watering," departs,

and hymotions are all manifestations of dissentiate behaviors, superparticular and production are formally as a super-Psychologista and psychiatrists are familiar with all the phenomen described in this accition. Ownersily, the term (fitseersides) is forward upon and many neine exalts theories have been fermilated in account for the strange autions observed what the normal consection shall home accepts. Besund the preside neberilly information to the production of the pr

pretations are those theories that depend upon eight minds and ferces—harman and otherwise—that impose themselves upon the relept in hand. The finance, Inspired, secretarises the inforce of dissociation behavior, feeler the helitids.

PRA Automatic writing, including only boards and planchettes

TSD Defusions and hystoria (individual and collective)

*PEF Fugues

*PRG Smaking in temperary (ricessalis)

PBH Behavior under hypnosis

PBM Multiple personality

PSP Possession religions, diabelle, animal dyeastheys:

PSS Selar, lunar, and planetary effects

PST Season phenomena
PSS Since malitims including other physical artists white nature

PBZ Dream phenomena



PBA-001 SOME PECULIARITIES OF THE SECONDARY PERSONALITY Patrick, G. T. W.: Peochological Series, 0:000-078, 1896.

Of the work unsuland problems in psychology, that of automatism is purhaps the most haffling. Againstic atterances, whether in the form of written or the speech of the so-called trance-medium, present certain peculiarities which dissingulab them so clearly from the otterances of sormal subjects as to require some special emigration. Other shearmal mental conditions, such as maria. mulareholia, hypnosis, or halbetsations, present peculiarities such of its own kind, but these are by so means so paralling as those of arternation. If not at protest fully explained, we believe that they may be eventually understood as exaggeration or perversions of normal forms of montal life. In automation, housener are are preparently confronted with change on a different kind. They before to that close which the artestiat of the day would call 'remarkable,' sist none openial confusation. Indeed the extremely striking character of some gis that have been made to explain there. I have is mind, is particular, one series of automatic atterances which have been under investigation for nearly fourteen years by psychologists trained in actualific methods, and at the end of this time one of these psychologists, who has been most intimately connected with the investigation, reckneed to be a man of sanity and careful logical highits. has proposed as the only hypothesis capable of explaining the facts, that the person from when the otherances come is 'controlled' by one or more finem-

Both Imposters violent above all the conditions to which a 'ngillerative physical include above. In these cases can be phenomen in question with a great part of the physical include above. In the case of the basis of engineering certain age of the basis of engineering certain certain coverage and the physical includes a contraction of the cases. A country requirement in the facts: I receive this receive to inflators the strain and data of the facts: I receive this receive to inflators the strain large of the distinction of the cases of the cases

Heart have been age I coloration, as a confident on this seller, it to talk the man is a fine of the man in the seller of the se

questions, reasons, sublidis pleasure and anger, assumes a name which it re-

take from day to day and from your to past, and displays an answerds memory estending earth opinitarials of line. To much a nature of intilligence we estending earths have of preventily. When is concertise with the army glovated arestead to the same of preventily. When is concertise with the army glovated arestead are considered as a second opinitarial to the same of the same of the same control provided and army of the same control and opinitary and opinitarial to a control and opinitarial to the same of the same of the same opinitarial to the same opinitarial to the same opinitarial to a control assistantialized and the same opinital facility, or it may be tense lower mental strutum before the provided provided and the same opinital facility, or it may be the same opinitary to the same opinitary to the same opinitary to the same opinitarial to the same opini

but it bears all the common marks of personality. Thus far the problem presents no vory serious difficulty. The mere fact that there should be in correction with the name organism two personalities in not more wonderful than that there should be one. There is nothing in our present knowledge of the eas either from the psychological or physiological standpoint preventing us from admitting that the elements which assaily join in a single group may, under certain confiliens, no associate themselves as to form two or three or any number of different groups, nor, indeed, that the name elements, as, for instance, margary images, may at once form a part of both or of account way. terms. Furthermore, there is another strougestance which would never to make the extentible study of the secondary personality at least possible. It has correct profity eleganty defined regards, truits, or peculiarities capable of loriest descripbeen reported forces upon us the conviction that they all belong to the saven denotal class and that the investigation of the simpler cases may three much light upon the more complex ones. If we compare a strepte care of anomatic writing, such as may be found in one of almost any company of schoolstria, with the weederful case reported by Dr. Hodgers, the difference is an great as between a kitten and a tiger, but perhaps not greater, for a careful observer will discover 'marks' which indisputably place them in the same greas. What we need now in a more complete description of those marks. Besides the case presented below, absence of reasoning power, expited or heightened money, emitted namer of constructive imagination, a tendency to rules its or mild profusity, the services, sion of 'spirit' identity and of supernatural knowledge, and, finally, a contact, faculty of lacky or supersormal perception difficult to rame without committies enerall to a theory, which, therefore, we may call a kind of brilliant intuition. It seems to me not impossible altimately to make a complete list of those marks. and then, perhaps, to explain why they are characteristic of the secondary personality. Some time upo I paid a visit to a 'readium' residing in a small western city. She is a married weener with a family, and was made known to me by one of my doctor or of a little girl carned Errora, both profession themselves to be 'anteres' of deceated persons, and to have sepernormal and superpatural iconstedue. I conversed for as hour with 'Emme,' and was throughout struck by the remarkable likeness in the general form of the unorances to those more remarkable come recovided by Dr. Hodgson and others, no that I cannot doubt that we have

while the so often happens; of the very beginning of the offling about my place of residence and my occupation. This was certainly as interesting trait and in need of explanation, although it would not have suggested to me the hypothesis that 'Erersa' was the 'spirit' of a real person, for, however difficult # wield be for a vocase who had apparently sever seen or heard of me before to tall me there first to a 'spirit' and then becate the 'apirit' in the subject before us. If

annealize that thirgs are known below they happen, or, if we must violate time Again, not long ago, I became accusanted with a young girl who was an automatic writer and when I had sween apportunities of stadying. We wrote regards and legibly, only requiring that some other sixt should hold the neutriwith her. I convinced myself that the writing was purely asterestic. It usually purported to come, and was observely believed by the girl to come. Freez the 'entrie' of her deceased perfor. I shall mention one or two characteristic enterences from this case, but what I wish to emphasize to receily that the gento those referred to above, that I cannot doubt that we have here again to do with one would remove the saystary from the other. In all the writing which I saw was one affectance and one pelv of the brilliantly intaltive type, and this againboth yourser and one of the sisters yourser and two older. In reaccess to my locally about their names, one of my sintern' names, a common one, was given. and then 'Change' was written which was specially changed to 'Bessie,' the better being convect. Admitting that the chances of correctly guessing such a sole explanation, and admitting that the young girl, who was an extra stranger to me at the time, could not have known in any normal way what the most intimate conference to the round less of necessition, memory, or constructive imagination. and of found to be obvided to a sufficient number of other automatic otherwises. We same open outerwa. Producty so mongraph investigates with apply one openmethods when we enter the field of psychical research, that it means to be gasscally accepted that if we could adopt this hypethesis it would explain offernment of this class. But, however difficult it might be to understand how the vecous girl could have known about my family, it would be still more difficult to believe to understand all sects of telepathic, clairyoung, and time-shike rating powers

PBA-001 AUTOMATIC WRITING

the Descriptor's 'interest spirita's accounted for the interestine of motol and holy, or that the symbolicy involved explained the appositing of the verific. From other large to the first the property of th

the of that at convent, but he property of the latter's successive weeds, they to be a first at convent of the successive weeds, they to the substituted a support of the experiments which to their successive to successive the support of the experiments which to this to receive it is now obtain it is a subset of the experiments when the experiments support is all played to fine in the substitution of the experiments when the experiments support is all the property of the experiments of the linearity from the substitution of the experiments of the linearity and the experiments of the linearity and the experiments of the linearity and the experiments are substituted by the experiments of the linearity and the experiments are substituted by the experiments of the experiments are substituted by the experiments of the experiments are substituted by the experiments of the experiments are substituted by the experiments are substituted by the experiments of the experiments are substituted by the experiments of the experiments are substituted by the experiment are substituted by the experiments are substituted by the experiments

beset finning people. both salive forestense. In his move cabilitied are significant people and the salive forestense in the salive final people and positive final people and p



Der austermatik Schrieben-Meister, (Drawing by John C. Halden)

singles of the experiments, he became interested in hypertiess, and attended two or three times the performances of a travelling investigat, effect himself as a 'action', ' and upposed to be an excellent one. He had never praviously been

Sharrily ofter this, having read of post-hymotic suggestion, he isquired of me about 2, and at his request I made a total of 2 with him. Hypeneis was readily induced by a few suggestions, and I told him that exactly five mission after he awakened he would go to the next room, necure a book from a desk and bring it to me. A few other simple tests were made which, though commonplace is thermselves, should be monitoned here for reference later. Haffacts ations. both positive and negative, were readily induced. I suggested that a small barbed-wire fence was stretched across the floor, over which it would be necesnarrow-wire issue was diretoned across the floor, over which it would be ascess-eary for him to step carefully. This hallestnatory issue he saw and storced over with great cure. Upon avakening he recombered nothing of what he had beard or done. Excells fire mirates after awakening be carried out in detail the sugmention about the book. A few days after this, the subject of automatic writing parties grow to his attention. Heavy W. incidentally mantioned to use that when he held a pencil inly in his hand, his hand record continuously, making scrawlo had never writing anothing. I therefore made an appointment with him for the study of satematic writing. Three stillings were held sad then a period of two years intervened. Thee followed three more stillings. All were held on federalsy mornings. The procedure at each morning's setting was an follows: I provided a quiet room and one austriage). At the second sitting only, others were present A plentike supply of very large abouts of smooth brown paper was provided. The colored was so sented with his right onto toward the table, that his body was elichete harmed anny. His right hand held an ordinary penoli in an easy position ought, sirred away. He right half role as visitintly peror is an early position on the paper. I like head was turned slightly to the left, and he held in his best hand as their safety of the read hand as theresisting stervisors or sensetizes the marring paper, which he read and to which he was nationated to give his whole stienaton. He acress was used. hand two or three hours with intervals of rest. The writing was usually quite stear, hat occasionally illegible. If illegible, the communicator was saled to

There are found the appropriate planehotte of any time in automatic writing When it is discovered that two pursues succeed batter in writing than one, both many grasp a common lead punctl, one hand about the other. The instrument used by Prefessor Jastrew, conststing of a glass plate spee glass-grarble rollors, shedyer used for automatic writing or any involuntary movements, has the disadvantage of moving by its own momentum when once started. When it is asconmentioned by Miss Stein may be used. It consists merely of a board sware from board ats mobes square, upon which the flagers reat as upon the reservoir placebetts. Through the board is a hole litted with a glass tube to which a mountly is placed so that it will make up and down. A weight attached to the top at one people occurs in presenting ingerty and overest spon the paper occurs. Such a planebatte aware from the cutting over the table, will attic around upon a large sheet of paper with the slightest effect, the penell point always leaving its tracings.

while the general again, A man three programmed in the convenience that has a good content, the changed the beam content of good the Banks of the content of good to the content of goo

earer binaril, the past battery. He of movement possible should be summariated by the past battery. He accord group was binarile to test be and the meeting of evolutions. He accord group was binarile to test bits and the meeting of the past between the past of the past of the past of the remarkable govern, such as teleparte town-lage, near streets in past of the remarkable govern, such as teleparte town-lage, near the remarkable govern town and properly. The speaking of the first group area consended from different town and the past of th

Q. Who are you? A. Laton.

This was illegible, and Henry W. was allowed to book at the writing. He read it as "Robins' and Laughed. A further series of questions revealed the name on Thines."

Q. What is your first name?
A. Bart.
Q. What is your business?

A. Teather.

Q. Are you man or woman?

A. Winnya.

No explanation of this server was found. Later assumed throughout the char-

No explanation of this answer was found. La ter of a man.

9. Are you alive or dead?

A. Dead.

G. Where did you line?

A. Illinois.

G. In what town?

A. Chicago,
Q. When this you die?
A. 1990.
Dhen Sillows many greations, three relation to the bill of form of the control of t

This inflicted many quantities, their entiting is to tell of these or more W. at finance for one, to use them were his hand, had so cost give the pages of certain errors of the tell of the tell of their large of their large of the tell of the tell of the tell of their large o

- Q. Have you supernatural knowledge, or do you just suses? A. Sometimes group, but often spirit knows. Sometimes he will lie.
- Q. Who is writing?
 - O. Who was more of Discuss when you died? A. Harrison, (Carter Harrison was marce of Chicago from 1979 to 1897.)

 - Too rest be well acquainted with the city.
- G. Begin with Michigan avenue and name the streets west. A. Michigas, Wabush, State, Clark, Scottaten -- Sorget,
- Henry W. is then seked to name the streets, and can name only Michigan. Q. Now your name to not Bart Laton at all. Your name to Frusk Subtine. and you have it. It. Louis, and you died November 16, 1863. New, who are
 - Q. Where did you live?
 - O. When did you die ?
 - A. September 14, 1947 Q. What was your bustoness to St. Leats?
 - A. Baniour.
 - Q. Can you tell us something which Heavy W. doesn't know!
 - O. Who was regree of St. Loris when you died? A John Williams
- At the next stilling, a week later. Herey W.'s father and mother, who were visiting him, more present, and a years lady parent Many J.
 - Who is it that is writing? O. Where did you live?
 - A. Chicago.
- A. 1545 Q. How old are you'l A. So. IThis sittley was held in 1885.1 to this and other seawers where easy computations are correctly made, there
- is a slight heatistion accompanied by responder indication of effort in the arm.

 - A. Sedatt Q. Well, where are you as a second? O. Middlete 23 by 22.
 - A. 3546. Q. That was wrong; how do you contain your consur?
 - Now, the other day you represented that you were some one else. Who

PRA-001 AUTOMATIC WRITING

A. Stephen Langton. Q. Where frees? A. St. Louis. Q. When did you die?

A 1946

Langton, which is naively accepted. Q. What was your occupation?

Q. But who was Frenk Subtre? A. I had the name wrong. His norse was Frank fishing.

G. Now I want to know how you happened to take the name Later?

A. My father's ruces. Q. But where did the name Laton come from? Where did Henry W. over

hear # 5 A. Not Henry W. but my father. Q. (By Miss J.) Have you any message for any of us?

A. I dea't know you well enough, but Prof. P___ should not be so increde-

loss about spiritualism.

According to Laton's later account of himself he was a tutor in a family in

Chicago before the Civil War, where Heary W.'s father was a chora boy in the name family. Altogether incornistent with this is his present statement that he doorn't know any of the company well enough to give them a message.

Q. But tell me how you came to assume the name faton? A. I am a setrit. (Written with great energy as heavily as the sentil would write.

Q. What is your relation to Heavy W. ? A. I am a spirit, and control Henry W. Q. Of all the spirits why did you come to control Heavy W. ?

A. I was near when he began to develop. Q. Now look here, this is nonsense. You are not a spirit, and you know

Henry W. is allowed to read this, and, his father and mather being present. is greatly vessel and asks. "Did I write that?"

After this sitting Heavy W. was absent for two years. During this time benever tried antenatic writing, was never bepootined, and apparently gave no thought to the previous experiments. The stitions were renewed in the spring of 1897. Q. Who are you?

A. Burt Layton. (Note change of spelling from this on.) G. What have you to see to use it

A. Glad to see you. G. When did you serite for our before? Give year, month and day Q. In what your was it?

Q. In what month?

A. Doe't know. April. I remember. It was June. 1995. 1 Q. Tell us more about yourself, Q. Do you live there sem?

A. I am here now. Q. How long did you live in Chicago? 4. Tought years. A. I would years. A. None of your leaveners Q. In what year did you been? A. 18** This. A. Doctor and carpenter A. 1046

C. In what some did you die ? A. Itd who die?

6) The was Stocker Laurelon? A (Direct friend) G. Tild any write Chicago friend? A You can't you read

Q. How many minutes was it before you brought the book? A. Free. (After bestiation) A. Prve. (Arear continues).)
This question relates to the post-hypnotic experiment tried uses Henry W.

two years before and related shove. It was spring upon the communicator to the printing has been such the part W to homestic parameter. The anguage to the can are removement with meany w. a appearar personally. The manufactor is the

been preferred at all should the ferror entants, bester been tasted after the experimost two peace before O. Where did you got the book? Q. Unior

O What did you do with 117 A Class II to you O. Who close was with sur? A. Mr. Grirnes, Illiamount

O. What was it you had to give own? A. Tree-A. PERCO.

A. Earl wire Q. Who was it who stopped over the femos? A. I did, you look O What was some same?

The following executions and anyways were from the last two extrinse bald ten and those marks bater. At the hardwater, an atternet, not very successful, non-marks to sufficient a small larger to the conventences. At the end, a record successful attempt was reads to anger Mrs.

O. Who is written? A. Dart Larren G. Good marking, Mr. Laton. Glad to see you. Would like to get better armaining with your

A. Libral rece Q. Now. Mr. Laton, will you give us some message if you will be so kind? A. From where Q. Wall, from yourself.

O Proposition and two bring up a manager? A. When do you know?

O. Well. I have some friends. Are you in commendation with not friends? A. George White.

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intellies type, though not a very striking one. I had an untile named George White for whom I was corned and who was killed in the Civil War. Henry W. knew nothing of this, but he had had opportunities of society my own name written in full, containing these two sames with a third same, however, Thomas, between there. In source to further questions, Laton said that George White a request for a message from George White, he wrote, He is glad to see you so

- Q. Tell us. Mr. Later, occupition on death book, wen't wen't
- A. Third you've great, doe't you'
- Q. When did you write for us before?
- Q. Where have you been in the meantime?
- A Everytere Q. Tell us seeselking of year own life. How do you pass your time overs
 - I never entirely begoe Heavy W., but partly so.
- A. Anythers or posters.
- Q. What were you drive vanter-but at these tires? A. With Heary W.
- Q. What did you have for supper Thursdox of this week?
- A. None of your business. Then followed executions in mental arithmetic in which are assistant and both thought attentively of a certain incorrect answer. Wrong oncovers were
- given in each case, but not the open we thought of. Loten was also estent to give the time of day, which in each case he gave incorrectly, even when we ware looking intently at our watches.
 - Q. What was Mr. Laton's occupation in Chicago? A. Carpetter.
 - Q. Two years ago you stan or wan ...
 A. Well, he---I used to be a teacher. Two years ago you said he was a teacher.
 - A. We don't dance who have manual not
 - Q. Why don't you who have normal out down? A. You can't understand; we are call as you would not earth; motorial Q. When you get through writing to-day, where is the eart that to not
- material point? A. It goes nowhere or anywhere as you choose to know stance.
 - Q. Do you ride a bierele? A. Only through Resey W Q. Two years upo you spelled your name 'Laton,' How do you account for
- A. Too many Laines; like the other better Q. I think you are an unmitigated fraud. What have you to say to that? A. Shall use you seem old lifted. Think I most observe source your descent old questions right? I can like to you whenever I dagged please. This answer was accompanied by great muscular excitement of the hand and

arm. There being one or two illegible words, I had the communicator repeat parts of the assesser several times. The word 'clarged,' evidently intended for Varsed, ' was so spelled each time. Heavy W., meanwhile, was calculy reading and sever know what had been written. The automatic writing was now discontinued, as orideraly there was little

AUTOMATIC WRITING PRA-001

the bounding entires of Harry W. manufactures Souther aggregations. If Henry W. was opened accorded to beyond in property assures the name Lates and were hyperciated, would the hypertic personality assures the name Laten, and induced by a low suggestions and was tested by a strate experiment in halloctraundered by a new suggestions and was tested by a sumple experiment in agreement tion. I suggested that there was a five-dollar gold stone on the edge of the table. tion. I suggested that there was a five-contar good piece on the edge of the ta The subject new it and asked whose it was. My applicant jokinsty said that it the support age is use assess whose it with. He against partiago was the reand potting it is his pocket with great glee. Persarking. 'If it's Later's. It is and purpose to on one postant with great gase, recogning, to the Labor S. 11 to convention that lates was not weeked. I therefore channel the military's next hade him close his even for a moment and suggested that he was Laren. This time and come are eyes at a suspension and suggested one of the carried on with Later was increased whether The subject's come were wide many and his resonant cash or tong at 1 wicese. Her entried's eyes were wide open and his mixturer en Later's recent anger, but the account that he gave of himself was the same as come a second organ, one can account out as gare to account one too down in given in writing, with some abled details. He man that he 'dee' is livin at the san of state, that he lived on North Clark Street, that he was before the war a age to easy, this he fired to recen touck Birest, that he was tenere the war a boar to the family of Mr. Pullman, where Henry W.'s father was then a choretotal in the taxony of Mr. Pullman, where thenry w. a most was then a coord-how, that he was a tutor of Mr. Pullman's little girl, but failing in the capacity very, true ne was a sitter of Mr. Pullring to time gers, our salling in the capacity of a teacher, and Chicago building up regailly, he went to carpendering. He said to a countrier, and causage contents up registry, he were to carperteering. He said further that he had been with Henry W. since '15 Part's. that he had choose him narrower tends he than tweet were Henry W. strace "15 ("957), that he had chosen him because he was the right kind. "He daveloced, " he said. "and I set a chosen to show records. " A few other questions were asked testing the power of thoughtthe whole has netherly come. The wholet was then awakened and found to have no browledge of what had businessed. A striking feature of the agreement care no expectedge or what had happened. A striking Souther of the expectment was the unitariazeous and naive assemblish of the personality of Laten after the

connection area made. An area on the word was spoken, there was no confusion had and IV as refuting respectively to Heavy W. and to Letter. to any . Se receiving respectively to many w. and to taken. cuted by the above convergations. I may regulier series other details of the incould by the shows convergations, I may reserve need order details of the inventigation. An may be seen, my attempts to true from literaal evidence to origin of the name. Bart Lates, were not successed. The establish evidence wouldn't so heater results. I could not learn that Beary W. or not member of his lavely had ever known any one bearing the same Bart Laten, or even Laten. The haven't can ever shown may one bearing the name man amount or even labor. through Hearty W., will hardly appeal to see one who has read the questions and sarrows, even if we grant, with Dr. Hodgeen, that communicating 'spirite' must answers, even it we grain, with Dr. Hodgien, that constraineding 'spirits' man a second be suffering from a certain amount of 'conductor.' or even 'aphenin' and 'agraphia.' The frequent contrastitions as to the time of his both, and death, his age agreement on the school be seen to beauthor, paragrapher or depoter, big willingness to contact his parametric in favor of Trush Sabing or Happy Locaries, together with the coverage and a system of the whole 'history' was progressively corstorated to seeme to me measure. really such a view on inversibility as it to reserved in memory or my questionin, reaso men, a view as improvince as it is supported by the property of the the experiments were occupance occurs Mr. Printings woman, and through bindings of flor. Fruit Lander, his one-in-law, I learned that none of Mr. congress of more grank Lowden, has see-to-now, I married that more of Mr. Dellowar's furnity had brown any one bearing the name Boot Lates, that Mr. Patterns a namely and known any one tearing the name own Labor, that Mr.
Politerns's despiter had mover had a tator by that cares or sen other male helor. The eleventury street by the connegnicator would in any case make such a relathe corresponding these by the communicator women in any code trade much a retutransport I constituted therefore. Dut the arists of the green in to be broared commence a constitute, agreement, and the expensive personality.

Law

In attempting any description of the marks of the secondary personality. either from a study of this or of other cases of automotion, we are struck porhome first of all by the remarkable privity of the constructive imagination. Quite independent of all theories. the precesse of this particular form of meetal activity is characteristic. It is shown in this case throughout the whole conversation, for instance, is the fictitious guerrors to the reathers afrondome, in the construction of the Chicago 'history,' and in the inscention of the sames. Mary Peters, Lucy Williams, Stephen Largelon, John Williams, etc., Front Sobias differs from the others only in this, that I invented it myself and successed it to the constructeder. By way of experienced, my purpher of such names, some commanplace like John Williams, others more appear like Bart Laten, may be collected by any one who will ask a number of his friends to assume or invest of came on the spur of the enement. If, for the sake of the argement, we out the commerciated for instances of the brilliarity intuitive type, the great mass of automatic ellerances in this and in all other reported cases reveals the activity of the constructive imagination and shows further the most rigid aftererize to the law of limitation to the store of memory images possessed by the subject. This limitation is painfully accurrent in the unsequence of my subject. The constrainouter has a vivid imagination, but the materials are all drops from the amount once of Bears W. The hypermeetic catabolic by many subjects and shown in a very triffing degree by mine-as, for insurer, when Later mentions one work of the Chicago streets than Benry W. can--in se way, of course, visiates they

The suggestibility of the occordary personality to size agrarent from threcase. The communicator to willing, in response to my supportion, to change his whole personality, and become Frank Sahine of St. Louis, and then proposeds to construct a "history" consistent with the numeration. In response to my succostice equin, he accepts the name Stephen Lacadon, at mother lime becomes a gestion again, he second the same output Langues, a sewer size because a good persons, effects that he 'guessed' the meavers, etc. He supportibility to limited only by a seri of trainions likes that he is a 'spirit,' which determines the seaware in the form of a 'spirit' personality literated to the sount knowledge of what such a personality should be, personned by Henry W. The very opposition which he shows in the later sittings is apparently the result of my indirect manguestion of healthty shows by the elegation and disreposetful attitude which I assumed. In this consection, it is worthy of notice that in any resourcedies with a secondary personality, the questions themselves from a series of surrestions instance, my questions may have determined the whole "fratery" of Lates, and a different set of questions would have regular neckage in a tetally different account. My first question. Who are you? really suggests a deathirs of the nerscenari. My stree question, how are your really happene a counting to me per-sociality. My question. Are you alive or doud? supposts perhaps the 'spirit' idea. The quantions were well adapted to the study of the birth and development of a "seint" normality, but if would be interesting to know what a whelly different set of questions would have produced. For instance, the first question reight have been, not. Who are you? but, Write your name is vertical script. If then the communicator had given the name. Burt Laton, I might merely have expressof surprise that his name was not Henry W., thus greating any even recents our Another peculiarity of the secondary personality which has been restord in other cases is its rather lew or 'constant' worst and intellectual tone. This was

once cause it is sifter lev or 'corneas' neval and intellectual tone. This was conspicuous with Laten as well as with the clare commentation massimated in this paper. In the case of Laten, my sloptical antitude was assumed for the purpose of allowing this test to develop and to see which that of language the communiuation would use when supered. Stupid professity was the result. The numbers template were externation, when what for a memory term for the plate of the control of the contr

te then reason. Who passed away to take, a ways who hippen and or a frequentiation. He wrote, "I am not a fraud or a freq either, " Asked the day and mouth of his death, he said, "I don't know. I got Arreng the peculiarities of the secondary personality we may, perhaps. record as fourth in order the brilliantly intuitive character of a very limited purches of those otterances. In the case described by Dr. Hodgess these are new striking. With my subjects I have mentioned two instances of such ottorsucces. Even with Best Lates there is, as it were, a trace of the presence of such a trait to his meetics of George While. Considering the sleggish character of Later's mind and his very stight shiftly to use the latest memories of Henry W ... it does not seem very probable to me that Lates was shreadly using a below overcory of a part of my name, hoping that it might happen to coincide with the mante of some doreased relative. Such an explanation is possible, or it which the history of automotions affords, it seems to me better to note this cover of lugger intelligen as one of the murins of the accordary personality. The contangion of it is not within the purpose of the reasont purer. It secons like experiment. For, let us suppose that it was not a guess nor the revival of a intest memory of Steary W., but that it was communicated from some outside source. We should have to choose then between its being communicated unconactionally by me and its being communicated by the 'spirit' of the deceased George for even if we have to assume, as is not indeed really necessary, that the name sor, even in we mayo to assume, as in one issues years and builty, that has again was connected that and a great deal was commenced teleposterally by me, we seem about the first against the ing the nationee of the reader by further reasons where some are necessary. If would be more probable that the suggestion came from one from the fact that I have always had a compatic interest in the messary of this uncle, while George White, himself, hardly knew me at all. To my mind, however, rejecting the "sperit" hypothesis does not mean arregating that of 'telepoths." When the charsystem of passents were not from accepting was of temporary. We will the trial systematics of the secondary personality become subject to accurate actentific

PBA-002 AUTOMATIC WRITING

PSA-002 AUTOMATIC WRITING: ITS USES AND VERIFICATION Montetth, Mary E.; Ninetocoth Custary, 80:179-289, 1918.

It is considered that Automatic Writing has played a large part in convertion records to belief in an after-life, and, naturally, it runs the manufact of severe criticism from the sception, some of when do not heatists to denounce its progtice so being hysterical and morbid owing to the fact that a similar form of writing is demonstrated in hystorical cases to the great nerve keepitols of

there are two sides to every question.

A distinguished French investigator clusters such writing under the heading

of intellectual phenomens in both its manifestations, i.e., the strictly automatic. where the band or forearm is temporarily paralised and denoted of one faction while the power of writing is retained; and the inspirational or intefficial, when Automotic writing to certainly a faculty to be exploited, and many will error

that further ineastigation is necessary before it can be confined entirely to hospital cases or relegated asconditionally to the rubbish heap. In my case, the writing comes to me when in a strictly normal committee, and

unferer I am in good health it does not assert Strelf. I have never felt that the the sensation is that of another hand over wine, guiding it (as a child in taught to write: varied by a markel perception which amounts in some inexplicable was

A conveyed eriticism of this automatic writing in, that, comificring so much of it is supposed to come through the agency of departed spirits, information concerning the conditions of a future existence to vagar, and the evidence often conflicting. Whether occord-hand experiences of a state that, feptcally speaking, may vary individually as such in one life as mother, apart from the fact that it applies cels to the future, would benefit us to any extent during our present life.

the reserious existence of the individual after hedgly death, Automatic writing is not always supernormal---that is to may, does not stways originate from excarnate individuals. It has been proved that securitie

and accorate messages have been received through the means of automatic arrition from the living, irrespective of sours, and this system of human telegrunky may be carried to a very fine point when it is pre-arranged by two saitable people who are mentally attuned. This has the advantage of testimony by word of mouth from the experimenters on both sides, without the disadrantage of disbelief on the part of the aception up to the existence of one or the mountains of autocratic writing should be judged by its results texclusive of its origin whether it he ghostly or human. Anything presen has a certain value, and if mental anguish be relieved in the smallest degree in these times of alwest enternal millioring. the media through which this has been achieved are worths

It is some years mo since I became interested in the subject, and my interest messages were unselicited, and, if he had not spectaneously given very decided

coherent I found this 'personality,' Dr. Nell, was very particular that I should take a critical attitude and be careful to sift all matter gives to me. as well as

Before very long I was able to verify a message. The story to trivial, but jest which has led me on to other and more interesting developments, under the

nister and I sure respect at the time. The mossesse was as follows: 'There are forthcoming until the evening, when I was above, and then I was told, in writing were in need of work. I was asked, in the event of not finding them at the confidence. It was a end case. Both she and her sister were very definate and usable to set work. One had been trained for a profession but she had lost her matter of table common new one in great these or one or recognitioners are

lead to the development of a lowerer seaso of the intuitive fargity. In the source of time the would written incremen annecessary in order to convey information in wise not to reject such a straple symbol up the use of a peacil, for writing to

Dr. Notil takes a great leterout to my strole of friends, and solutions to make a point of knowing a certain Mrs. Burton. He wished me specially to interest her

PRA-002 AUTOMATIC WRITING

to the subject of apirit communication and to give her the benefit of all I had been able to grown, a course of action which was then continge to my role of keeping these matters structly to trayeoff.

We had instructed in common and I make to brown her and her havings. Matter We had instructed in common and I make to brown her and her havings. Matter to the common of the common and it is not to the common and the common and had been also as a subject to the common and the common and the common and had been also as the common and the common and the common and the common and provided and had the subject as the finger-tipe; recovery, also was prodocedly and the common and th

psychology. If will as advantage to me, for here, surrous the masses a monthluse secrety and had be subject to the finger-day monescent, who was probosely secretical regarding all psychio materia, critical is a digree. and sportly othersbelogic that sidely proceds or handwarp surviving duals from a pure-second. I from could belogic that sidely proceds or handwarp surviving duals from a pure-second. I from could be proceed that the surviving surviving the surviving and the surviving counts across anything with practical experiences of this kind, and she because much internated to the warrow messages it recovery, for this cause, other secondtical surviving and the surviving messages it recovery, for this case, other secondtical surviving and the surviving messages in recovery, for this case, other secondtical surviving the surviving surviving the surviving surviving the surviving the surviving surviving the surviving the surviving surviving surviving the surviving survi

much interested to the surious messages I received, for this nears other occeptoil scale she decaded the apparent finality of death.

Later, I received farther messages by the neutron of autocastle writing from
the control of the state of the control of the control of the control
to the control of the control of the control of the control of the control
to the control of the control of the control of the control of the control
to the control of the c

healthy climate at no very distant data. They were starting for ledit admost increditable, and I begged for permission to let them, boying it which present him frees taking a possible appointment is no exhabitly district and no need the danger. This was refused, to the grounds that solving could after that fact, then the Var with Germany looks our they were again in latin, and at treet was not assemble there are in California to that he received occurring to Nanowan not assemble there are in California that has no received occurring to Nano-

was not amongst these sent of Danders; the later he received orders for Manopotants, where he was hit by a builet in a visit part and stilled instructaneously. The support to late will be best explained in a letter I have just received from Mrs. Bureton in answere to one I nevies asking the her approval and correlectation of the given.

Dear R. T. I have need your second. ... One important point, you find on more bear R. T. I have need your second. ... One important point, you find not more

containing and so many. They would take too long to encareasts. Seen of these perhaps could be explained by telegraph, but it is suitable, they no nead have to far as those long irreption to great and persisted in seen in spits of two that to the seen of the

deposited in a side show before he went into action. This fact, which he purposed person is a side show before he went into action. This fact, which he purposed in the first show a side of the side

Yandell, David W.; Popular Science Monthly, 20,459-187, 1982.

Economizary opereus nas control in the popular wind of Newbody, at an advantage of the property of the propert

Description of the control of the co

The observation religion described in which the described is sensitive of the control of the con

The amounts beared markets and of these amounts are the result of the state of the

shaking hands with others, as much earlied as themselves. In this way every-

the material for the control term on the greater.

If the control of the control term on the greater of the control of the con

paramonal by day Swelzing, and only, hard repose with the stem of the Learn'.

Monocomplete of the trace. It was an attempt came the after good records selective specifies to the control of the selection of the

Cravale was of an excitable temperament and vivid imagination. We necess was convenient, and, with a sounding voice and most impossioned manner, his

Another feature of these excited meetings, which surred still further to intensify the feelings of the people who attended them for days and sights tonother, was the part taken in them by children. Nothing was more affecting to the congregations than the night of a Thife bey or gird on a log or stamp, passiceand authorize the restitute. Thus, a how, who appeared to be about twelve years of any in dearwheel on having retired from the stand at Indian Creek. Once, during the necrosa, and, mounting a log and raining his worse to a both which save had sends all the congrugation with him. "With cease streaming down his observe. he orised about to the wirded, warring these of their dancer. love for their early, and desire that they should turn to the Lord and be saved." A man on each side held the boy up, and he spoke for about an hour. When center raised his hands, and, dropped his handkeechiel wet with tears and perspiration, cried out, "Thus, O sinner, shall you deep into hell, unloss you foraccount continues, "Some fell like those who are shot in builte, and the work arrest to a reasser which human language can not describe."

McNower instances hors of oight and ten years, and the skey, John Intementions one of serve, who called on streets to repeat, with an electronic strandarly overpowering. Presented by see dominant idea, the people gave throught as up to the wildow enfrantager, and it was so uncommon thing for there to spend the whole right in religious segles such as have been described Whited at Gamer Stree Church, is one of McGready's concregations in the summer of 1779. The recessed proved highly contagious and spread in all directions. After a rousing appeal to the feelings of the listeners, and expecially during spirited singing, one and another in the molecule would fall suddenly to the anorpowered. Some, certimes the histories, fell suddenly as if streek by light-Dr. Stetler, who often witnessed comes of this seet, assured Dr. Davidson conviguos by a determined effort of his will. A few shrinks never falled to get

of "pins and needles" was complained of by many of the subtects, and others grew into a habit, and those who had once fallen were ready to fall again under The condition is some of the subjects was catalegtic, fastise ownerally from a few expected to two or three hours; but is a few cases it continued many days. Others were violently convalsed as in hasteria or epilepsy. "wrought hard in fitful perrous agreties, the eyes rolling wildly." Most wore speechloss, but some were capable of conversing throughout the parentyam. The extremities

wer tear, his monarcies but he took not the alightest notice of E. Others who fell

hard to the greend, or in reasting executioned starps or trees, this to pair from the robbone, the same [fell of collar fronce carps—resting, it is robbed, the to the robbone, the same [fell of collar fronce carps—starps—in a robbone carps—the ro

menting it that Transmos, when anyone hardred respin of both season were order with this transpo, consultine recoverant. The first, N. W. Rose has the a vittid description of it. Resestince, he are, the nelport was afficient in a study member of the today, but or detects the operate were custored. When he was destined to the contract of the contract of the contract of the hose contracts of the heart of the contract of the cont

The first lower is which these spacesoids noverescent aspite their appearance was taken in our pieces and a source for the arms from the other downward. When they was taken in our pieces arms from the other downward. When they have been a source for the other downward and the other pieces are also as the other downward was a result put and a taken deposits of the other downward was a result of the bank of a little was force, "he excels not more than bank of a source of the bank of a little was force," he creak not more than bank of a little was forced with a source of the bank of a little was forced with a little was forced was a little to the downward of the source of the source

believing it to be a display of Divine favor. In his "History of the Kentucky Berryal" he says: "Nothing in nature could better represent this strange and unaccountable operation than for one to good another, alternately on every side, with a piece of reduct iron. The energies commonly began is the head, which would five backward and forward, and from sale to note with a rate tall which The person would paternilly labor to summers, but in outer and the more one one twitches increased. He must reconstrily so as he was stimulated, whether with a violent dash on the ground, and bounce from place to place like a foot-ball, or her round with head, limbs, and truck instehing and telting in every direction. as if they must inevitably fly anuader. And low such could escape without injury was no small wender to speciators. By this strongs operation the horner frame with such velocity that set a feature result by discovered, but the face amountal as much behind as before. Head-dresses were of filth account never the bounts terkers. Hawker-biafa, bound tight round the heat, were flirted off with the first twitch, and the bair me into the utmost confusion; this was of very event trary to their confession of faith. Such an ware mixed with the lerks were avested at once, not only from under their own government, but from that of every one else, so that it was dangerous to attempt conlining them or touching them in any miner. To while it was assume as secretar contribution that or forward some in any minera. To while our daught they wore expected. Yet few were burt, except such as rebelled against the operations through within and deliberate entity, and re-

DELUSIONS AND HYSTERIA PBD-001

The same writer gives the bistory of a case of jerks as fellows, and so case could illustrate more stricingly the nature of the affection A young man, of a pious family, the son of a tassey, feigued sickness one Sunday morning to avoid going that day to comp-meeting. He kept his bed until be wan answered that all the family, except a few segro children, had left the premined, and was much pleased at the success of his strategers. As he lay quietly in his bed, his thoughts naturally turned to the comp-meeting in progress. The assembled multitude, excited, agitated, occavalsed, rose up vivilly before his wind. All at once, while occupied with the spage, he felt himself violently central. Preser, he recognitioned, was deemed efficacious in work conversatances. and he fell upon his losses in the boxe that it would prove a seclative in his case. It turned out as he hoped, and he returned to bed, happy at finding the spirit experience. But the opensy some refureed; the tecks were as bad as ever, but were again allayed by proper. Dressing himself, he now went to the turryand and not about currying a hide to occupy his mind. He rolled up his alcover, and, remark he writered to returns his occupation, but was again reized with convol-

Another characteristic assigned in related by a writer in the "Compail Bread".

A perlatura and light of seems seed in the indivocable sent of sees attracted by
contrast to the casper-menting in Class Briggs. They installed in many extension,
the contrast to the many extension of the contrast to the many extension
than the contrast to the many and prevention partity in stand by and and set and which
is come that other should be exclud with the complicate. They had not been
more than these chairs the contrast with the complicate. They had not been
work to the local contrast and an off the log great, the evengancy, frequeting tags premise of presention, instally develocible and can off in the top of his
pages. It is the proceed him to safely of their had help any other had been also made at a first the top of his
more than the contrast thas the contrast the contrast the contrast the contrast the contra

mentioning and other propose to the Smaller and Smalle

thermediese, by sympathy, reduced to this degrading situation.

The "bayish" were looked upon at first as a chastisenest for remissionest of day, and the only may be supply the to engine it to the body fainter. But, from being required as marks of guild, these workshed scoroline came to be measured by the contract of the contract of

PBD-001 DELUSIONS AND HYSTERIA

medifications the transity reached its beight is about these passy offer it begun to their Booli.

The Design of the papedar beliefs of the times the creatia fundation or conditions of the system would award those cervices alloydes. Then it was held for a werrant with a 15th of the arran, or concession of opposition principally and a werrant with a 15th of the arran, or concession of opposition principally and a second of the second at least, but no protective efficiency. An intrinse is related where a second composited the standard of the second of the

Irremarks were the degree in time to usua and now the child before it fell to the ground.

A large proportion of the needeers of every congregation has previously and the proportion of the needeers of every congregation has previously contained to sheer theretoes. It is great eliterative, to each relative type the contained by most persons before it had been global eliteration for the districted by the districted by the first person of the first person of the side of the districted by the districted for the first person of the districted of the first person of the districted for the first person of the districted for the first person of t

sibabati is ship. 180), presedent in the church a significant serrors on "Outer-ship and the church of the church

As it is notice, there was tet one option aroung modest test from the optionized, and record in or description of the arrows asystem. Do. Polite optionized, and record in or description of the arrows asystem. Do. Polite optionized the control of the control of the control of the control of the Thinkships, in 1464, as a force of observed. It seems content it not the from a test of the control of the test of the control of the test of the control of the

reflex stiller. By the centimed religious ferror, the central portion of the hint, the immediate sent of evoletion and feeling, because interestinately evolute. The impression, transmissid downwest is the optical evol, three the transfer of volutionary robot into compliance, annualities, which had the sent in the control of the compliance, annualities, the state of the sent in the control of the subjects to the sent in the control of the subjects to the subject to the subject to the subject to the subjects to the subject to the subj

DELUSIONS AND HYSTERIA PROJOGS

which may be caused by the recollection of dispustion sields or others. The principle of imitation accounts for the rest. The great servous centers, in conditioner of recode, being in a state of polarity, any gageral exhibition of feeting would throw the more excitable into spanne; and the affection would then stored by symbothy, as hysterical convolutions and cherea are known to surread among girls at boarding-schools. And, as fear has checked these, the entdersic convisions were checked by reason and common-seese, and finally comed

PRD-002 THE INDIAN MESSIAH

Flatcher, Alice C.; Journal of American Folk-Leev. 4-37-50. 1991

valley for five or six years. It started from a young Chernesse who, having lost a near relation, west forth sices to wall, after the usual custom. He full in a he came upon a camp, when he met his dead relatives. Bullato meal was drying plenty. As he stood looking at the scene, a lise of light beyond the camp caught his over it slowly increased in width and brilliancy sottl a functions may stretched robe, and lighter in color than the bullers. He reveleteed blesself to be the for him and he would restore to them the game, and there should be so more suffering from barger, and the dead and the living would be recrited. The white race would disappear; they had done wickedly. Here the Cheverne awake,

The advert of the Merciah has been talked of among the lations of the Minnesot

scene time before he told his dream. Then others had like visions, and began to hear seegs. Those who learned the sough gathered together to sing them with dead and learn of the future life. Prove that steeds burtaries the "Obest Durce" White Mogstains near Mexico, and others heard of hire in the requestains of the Armenton and other tribes, went to find the blassiah, and returned with wonderful stories. Some brought back bits of bullato ment, and ornaments belonging to the dead. The manner of the destruction of the white rare was described. quake would begit at the Atlantic coast, and, "rolling and gaping" across the con-lines), would swallow all the people. The northern indiana expected a landslide.

From the Sioux delegation visiting Washington in February, 1991, I bearant not of one stated breath, or at new stated time, nor was it preceded by fastion. numbled that of the "Woman's Dance," and was performed around a pole, nomewhat amplier than that used in the Sun Dance, and out with some of the riter attending the cetting of the Sun Dunce pole. During the dunce the people did not more rapidly, see did they simulate the motions of an azimal or of the warrier. They closed their eyes, that they might see into the other world. They occustimes worn a skin shirt, fushiceed like that of "the man in the West" who taught

the "Choss Deere" properts applying new as a rite, as it holds to old forms

to the traver, the manney of dancing, and use of the pole. Its teachings of a delineyey, and the execute to follow his coming, are exently old.

The helief in a deliverer can be traced an far back as we have any records. of the abordainer. It is one of their furdamental moths. It is notable, in the present instance, that the new Messigh conforms to the old hero-moth in three essential characteristics. First, he is divine. The indians speak of him as "The 5m of Cot;" and, while this term applies to Christ, it is also applicable

to the gratical here, since he is consected with the mysterious power, the In the Marriffration of the mathical deliverer with the Christ of the white race.

The austinate of life after feath, of both men and animals, is undoubted according to the reality of drugges or visions is unsuccitoned. When a man closes his even, or falls into a faint or trance, senong his living communicae, the pictures he need are considered to be reflections of actual persons and things. and are never attributed to freeks of memory or imagination. The lost more. the dead friends, are frequently seen in droams; therefore their continued ex-

frequently appealed to in the various struggles of the ladious to recover their lost independence. --- one of the best known instances being that of the Prophet. who thus exacts to encourage the Indians to league together for united action against the white rape by promising the vast retainers word of the dead. The idea of a fetere hapotropic which has in it softing of former accordences

of pleasure to hardly conocivable. Efficient races and persons, therefore, picor physical suffering. The notice of future happiness to the anedscated Indian then extitue off the Indian's old-time food supply, interfering with his modes of life and his ancient cults. Moreover, we have accorded many influe off covered lands on to tracts of barron soil, where only the government ratios stands between the untitored red men and starvation. On these reservations we hold the they would be driven back by the military. The consistion that ours is a cruel and argust race has been seared into the Indian raind in many wars. The story the story of his life of benefactions, and there are many natives who regard the

*Sight years are, among the Oralisis Stone, I historied to over around the

of the white race. It is not to be wondored at that he has recaused to ally his treatment with that bestowed upon the Christ, and to readings the destroyers. problem some to have originated onces the tribes of the Breky Mountaine: while the evolute and landslide were suggested by those why live where the winds easile beave and quickpands confer regions dangerous to dwell unce. Thus

It is an interesting fact that this cruze is confined almost employively to the uneducated. The Indians affected belong to tribes which formerly lived by harding, and knew afracet nothing of raising mains. It is not unitiely that the "ergoe" but the non-progressive and turbulent elements have anothe to one this religious

movement for their own code, while consumers, drawners, and other decerroom purpose have realtiplied stories and marvels, growing greater with each result. Thus, a district has grown up ground the injected tribes, and a situation of difficelts and delicary has come about. is view of all the facts, it is not surprising that those Indiana, cut off from

civilization; becoming, in their ignorance, more and more isolated from a new present, which is educating their children in a new language and with new ideas. shors of all that is familiar to their thought, should revert with the focus of their race to their against lace of a deliverer, and to confused their here with the white man's Messiah, who shall be able to sureer the fuller believe, feet their dead, and sive back to them sole possession of their beloved land. In a rudely dramatic but pathetic masser this "Messiah craze" presents a picture of folk suffering, and their appeal by the preservation of their race, to the God of

PED-003 THE MIRACLE MAN OF NEW ORLEANS Flotcher, John M.; American Journal of Psychology, 53:113-129, 1972.

During the apring months of the year 1900 there come to New Orleans an old man presentiar the typical mice and makesp of a latter day peoplet, who has could the total of those who visited the luncus Quebec shrips in 1965. It is

cruelty and covardice of the Christians, who were not only guilty, by their own account, of murdaring God's Son, but who nought to socure through this got times to different tribes.

Secretary to rote that the New Yorkson Street Has in a size of Greeks, Newton Street Has in Street Has in the Street Has

hands numerathed in publish appeal, to realize that this is row.

If has measured to the vertise for this case holds escreenting that is of inferred to psychology and that it should therefore he noticed and recorded. The social appeals of the case are now being forwaitingted. Cand psycholizetist are ablored to the contract of the co

leader, and producing and Patientsphy as its annual resetting at Takane Observation (Appellulogy and Patientsphy as its annual resetting at Takane Observation April, 1996).

As so the Riracke Man binnaell it must be said that very little is known and wary 1996 can be found on. His real mane is below Codery, though on the occasion of the devicement of t

hands. In the space we was a special content and the set of prefer to be known. The circumstapon of his christoting in this finishes and the force of the suggestion in his same seem to have had much to do with determining his career.

In this surfy life he made, so far as has been ascertained, so attempts to effect circus, or to concrete our other sursual gaffe.

From Chands be expert to Armore some time in his yeath. As a yeary man, which we shirt go don't be seen for a first be present to the control of the control

In spite of his popular title of the "Minnale Man," he does not by claim to be performing minnets. He may that the power to be diffusesses come to be imperiodizedly, but that all he does is does through the produces of flow. He then be telepress that the does not be telepress that the control of the mixture resents to be taken be in grobably inaugable of working out any constatent notice of what he represents to be flow that he is probably inaugable of working out any constatent notice of what he represents to be fine the mixture of the mixture in tentals, but

He makes use of marie by blessing handcorchists and mediar them to national who are not able to reach him. In watching his healing one day the writer heard him speak of epileton as democic possession. He said. "I have had a great deal of experience with them cases. And I tell you when them embedded fits come out they makes a lot of noise." He presents all the appearances of being a devocaor a St. Strace Stiller. Those who know him principle and intimately made well of his character and sharing him from conscious fakers. Whether he can edly offered money, but either from four of the law or from principle he secreto have refused it. though he does accept sifts. There are rumore that he has received money, though these are difficult to prove. Terrutations of any charkies him and fordle him in public. This, coupled with the fact that he preaches that a wife should leave a husband if God calls huz, makes it entirely possible

that the matter may at any time have a sedden and unsurery entire. The story of how he came to attract such extraordinary attention not only illustrates the bursas craving for the superspared but at the same time indicates unities whether they should sive mobiletty to what one being done. They presently

Through the press distatches reports west to other cities. Moving-picture concerns seized upon the new sensation and scattered the distorted remove still further. Even the billbourds of Broughur. New York, gave space to this thriller. made accumintances along the river-frees. His reputation began to grow in the There was even at this stage a curious mixture of the poor and the rich among The number of persons neeking treatment assumed alarming proportions. The Cross, and the city officials found themselves with a problem on their hands. strender of a relative in the long line of suffering. An occasional group of main

to protect the leafth of the occurrantity, and at the state time It researed with one protected of programmes of purposecularies of discuss observes hooling with rand introducters to the faith. Or the oil health. One can imagine how treathers the whole the state of the oil health. One can imagine how treathers the whole the contract of the contract

Cress on the levee I for the treatment. In the height of t

In the legical of the excitorions of the early days of his recent pumplishing could be seen call layer call can be compared to the control of t

the self-appetited measurers, who was unspected of carrying on a pathy grabcohere by which be could fire a consideration source preparal satisfication from the bester. Miss best than shear-flows the situation as she axes 10 March 13th; "Exactly concelling areads, considerated risking to which has throughout the "Exactly consulting areads, considerate disposition with a few dispositions," and racce, were results of another day and right of "faith healing" on the lesse off Aghieben Tank, where John Condey, or "Brother Insida", has worked should!

"His groot forms engine shiftly with wenterest, his free threst in white and his high least all a sony breast, he do not reversus he his lestly served for cost are not after the first man high spike his lestly served to the others are not after the first man high spike his lestly served to research spike and the most in his model, e-seeked platferes soon. As he pergue over more heighted from on a little model, e-seeked platferes creathed him, he passes for a necessari to wentlers a few monthful of orange or planespie sizes, passed to that over the house of the crewell. Back in the time has a seeked to be a seeked

The following is given as a picture of what the situation looked like March by Piccase of joy from men, women and children who professed to be cared in an instant by Hencher leafably powers continued to go up from many sources Fridage.

"Butto first were built all about the lower and from on the river bear have.

Sazzado; right by those who were determined to obtain close-up positions whose fluorine featals, reasoned the presence, which it was not be would for early deader scening. The Mexican of the Validati II proceeded a serial appearance, and hondreds of display-earry locarous for assembling to loca on the state seems. Centrals and the Day of Adaptives continued best caprisons the associate seems. Centrals and the Day of Adaptives to ordinate best caprisons the associations of the second seems of the second section of the second section of the owners are seen of the second section of the second section of the second section of the owners are seen of the second section of the second section of the second section of the owners are section section of the second section of the second section of the owners are section of the section of the second section of the owners are section of the section of the section of the owners are section of the section of the

city into a surmoil with his alleged 'esses'.
"By hightfull od March 10) a village of limbs white tents had spring up like
restly of wishrooms about the control with a final control of the sections."

The American Ref. Conserves.

contributed ten tente and one bandred onto, and will provide more if necessary due and sight A large platform will be built for him later, since the 'healer'

on the spot whore he first began. Turroundings rapidly are becoming dangerously insuritary upon the large. The ground in trampled have for a long distance, and every vestige of grass has the latter toward the river, and in the buffer has collected a drib of ratered capers, rotting fruit, fragments of food, broken buttles, term house, assett or the

between the roces about the runway. In the sultry, bassid atmosphere of Moreley afternoon the place was recellent to every sense, yet the dream line still stood duced racks of the nightneers who stood on the higher ground.

'miracle man'. The pearst, popount, soft drink, and fruit wagons are there and the latest addition to that thoroughfare in an array of photographers of Brother With reference to the regular curve it assome guite difficult to this because

to find even the hernel of truth which must as a rule constitute the hasis of fact upon which such excited rumors take their rise. It is needless to any that no organic diseases have been successfully treated by this boaler. Out of the sast numbers who have been to him for treatment there must have been a percentage of cases of a functional sharester, which were amenable to tast the kind of treatmost be offered. But when one starts out to locate those cases they are difficult. to first. One can find all north of stories about what was said to have been done, but substantiated instances are not so easy to find. And the interesting expect of accepted the worder of the crosses that surrounded the old man in the earlier parelysis, Bright's disease, blindsons, deafness, dumbusss, and practically,

her are-night restored. The runor of this ours flew like with-fire ever the city. This was followed by other reported ourse in such rapid succession that sequent investigation confirmed the purpor that a cure had been effected. This was the case of a rose who had what was called rheumatic paralysis, and who had been unable to dress himself. He seems to have been cared and to have

The cases that were reported as ourse were very increrous. A sample of this kind of cure, and at the sume time a sample of the typical behavior of the crowd-raind, are afferded in the case of Serry Wilson. It seems that this young man had been a cripple since he was five years of ago. He made his way to "Brether Isnish" on March 13th, and after reach difficulty secured treatment They shoused, "He is wilking";" others gald, "No. he is running!" Women

extracted, while some more terrible spike to give were to their facilities. The control was not think down them that was prefer impossible to make the was policy on, but from those who wave more like in two andwaysceptify bond out in was policy on the form the spike of the control was and the control with the washed bottly in greater such build scaled the ground of all directs this souther in it was decided without into two looked the ground of all directs this souther and the washed the control washed to be controlled to the control with the spike of the controlled with the controlled the controlled to the controlled to the controlled the controlled to the controlled t

addrts of the creed she began to motion, doubtless in her usual fashion. The creed took has to be a Youne' and began to gather around har to hear her vertice resilients. Not ensurable green entered and tabled the more verbennerely. The resilient nitrove is value to tell the crowd that the oblid had not even seen the mitradio man.

The state of the s

Central Mattroud. Mr. Mayas had entired a strate of surelysis is how a year processor, when resulted in heavilgates of his right abid. It is speach has a loss been interfered with, so that he is able to any right new words, "an' which he repeated server and over, and "fart the name by which he over designation lie with the request server and over, and "fart the name by which he over designation lie with the strength of the str

hope fairly blazed from there. Bank of him his wife stood, with hands also had tightly together, whissering second second . The 'originals man', must sail weary, in his long blue paresent. The the appear of a surgeon, burt your him with faith as forwar as the hope of the policed. Exacting best-to the chair. the hisnegro, his hands (rembling with excitement, goodly recessed the charrons and cost of the paralytic and held the little bettle of oil while the 'mirratle man' rubbed the afflicted shoulder and forehead of the patient. After several accreece of prover he makingly looked into the even of the patient and cried, "Nor your name. say John!" The throat of the paralysed man ourtracted and swelled with the effect; his eyes never left the eyes of the 'respects man', but the only sound that came forth was "Not not no!" "Yes", cried the heater, "Not no! say yes!" Potrofully the most total meets and meets, but his your filled with tears on he failed again and optio. "Say Protes Dat!" the heater orted again. "Call year the Lord, my brother!" But the name that forced itself from the accorded tion of the paralygod man was the name of the wife behind him, who burnt into tears at the sound. The old healer in his sunject to help the man made a figure about no treate as the other two. He tried again and again, with power, concernsowed and friendly unstage, but at last the paralytic was carried away in the strong arms of his servest with the promise of "later treatment", which perhaps would

The case of Emile Lacourse is of interest. Lacourse is the locally wellknown blind newsbor-manifilm, who is reported to be one of the first introducers. of that world-renowned New Orleans product, jury music. When a newshor on the streets he is said to have attracted the attention of Ohra Nothersele and sten to go to his home and loop his even closed for 24 hours. then pray and open there.

increasing doubts concerning his powers. Shough he still has a nucleus of followore who have on his lime for every wood he utters in his disconnected services. The moral which is apparent in this case sourcely seeds to be pointed out.

The lay public expant easily he disturbed areadons by the superstitions of the Hiddle Ages when it comes to organic diseases, such as infections and the like. General browledge of this class of diseases has spread very rapidly, especially upon the part of the average physician, and a susceptibility to the wildest seperit is not coly possible for distribed salts which are indefensible in the light of made to broad a day to the ing. But we are actually last with primiting medicine man on our hunds. John Cudney, allow Brother Issiah, is one of there.

PRODUCE MASS SUCCESSION MASS SOUR AND MOSTERIA

Marky, Robert W.; The Story of Hypnotists, Prestice-Sall, New York, 1947.

ecstatic boths of kronorts. The Nestertans and the Mesophysica were bard at superior force---whether Jesus was speed above or whether he was obredtanamegive these fall play he offered about at aude. Sinter to and out of the other model."

Now inflamed by the whitespring exemption set to motion by Timothy, all of ter, crowded about on bards and known. They harded like door. They teen

PBD-005 DELUSIONS AND HYSTERIA

PSID-005 THE "JUMPERS" OF MAINE

Assenyment: Scientific American, 44:117, 1881.

Dr. George M. Beard, in a paper read before the Associates Neurologisal Association, records steme conjugate factar in regard to a singular relation of personne where he met is the region of the Monoshead Lados, Maller, and who are known in the language of that region as "durgener," or "dwesting Productions." These individuals are afficied with a people are reviews affect the which make the approximation of the production of the production of the production of the production of the people of the production of t

These individuals are afficient with a produte sevenus affective which resulting the parket on depulsers worsers of the body under the influence of a control as extracted, by a passive establishing to colors authoritatively grown them, and be as resemble destine to intain the authorit of short. The person that affilited prays at the riligions models touch, and when mo core is given been affilited prays at the riligions models touch, and when mo core is given bits it has been all a river be in ordered to long idea to be such, as uniform "Guern" in," and at some exceeded who order. The in table is entitle one of this companion to existing, "Stutis his," and the act follows the worder.

was treatly emerciated steps. Most entitle in what with a table that we do not be about the control of the cont

So, they obtained the "Symbol", as a simulation of contract that or described in the contract that of contract the contract that of contract the contract that of contract the contract that contract the contract

HYPNOTISM PBH-002

PBH-001 FASCINATION IN MAN

Carran, W.; Sature, \$5:118, August 5, 1880.

thirting (record) aren't stated in people evolution in stated batters as well to record book of Streyk shift(), Amelian size could not be considered by the power of so floatingting, with being page. Notice and other consistence as to be the power of so floatingting, with being page. Notice and other consistence as the most page to present the size appear there or so, and included by said if any state see of the following or existence can be transport, with the most of even and the page of the size of conting, said as Conden, Sao, might be parethed to more and space of size, the size of size of the size of the size of the size of size of the size of size of the size of si

only to the ways of the fault similars that move to the formed of large formed in the control of the control of the control of the control of large formed in the control of the control o

Alleling to the first constity that occurred at Carespore during the steps of the automobium there in 1815, Mooteny Thomose any (The Berry of Chrespore,), 000 that "servind of us may the still bounding towards as, not be under the still bounding towards as the still times, be seen formed in accordant for some of the still times, but were the still be under the still be un

inters. In second functionals in the specify and an old and now forested departmental from the worst through for whether Christons analogue, as seriod in the functional form of the specific form of

PBH-962 INDIAN CONJURING AND HYPNOTISM

Hewlerice, W. Henry; <u>Society for Psychical Research</u>, Journal, 5:195-196, 1602.

Some of our readers may have secrementher to the <u>Testiv Graphic</u> of Sovember Dark or reproduced is Light of Deposites the New-mother marriating the performs moves of a "devil-warman" with phosphorestens to be testive to the mothed of second and postures, who appears to have such dyposition as a part of the mothed of second and working. The writer describes how "on old prices brought to the decreased" result must. It beloked in and assessed view may be freshered. The assesser did the

PBH-002 HYPNOTISM

serman ration for hard then it because cell, a story deviaced lowered be each it headed the placeton. Bill those on the speciality frame towered her ying all the added the placeton. Bill those on the speciality and the speciality and the speciality and the speciality are specially a report of the speciality and the speciality proposed colors. A sense to walk to before by the story of a service. We have been considered, and the speciality of the speciality and the speciality of the speciality o

We therefore he of miner from the votal—— R. S. B. Marsham of the control of the

settled to vision the state of the state of the state of the state, and reduced to the state of the state of

course, I smoot tell shelver the was as halfactuatise or oz. I reasoned periodic consciousness and the time and a periodic recordinate showered a sill that had not been also been as the state of the state of the state of the state of was so that, though my assumation were position. Most of her revenuents are conseclingly under and read, "The bey had he zero in a creatificary position when latterapted to not then down. I caused be perfectly certain of the alsocking that the state of the latterapted to not then down. I caused to present the state of the latterapted to not then down. I caused to present the state of the latterapted to not then down. I caused to present the state of the latterapted to not then down. I caused to present the state of the latterapted to not then down. PEH 003 DR. HACK TUKE ON HYPNOTISM

Assaymous: Science, 5:15-16, 1888.

Three interesting points are brought out in the fellowing best neview. (3) the resemblance between the houghts of some hypothod subjects and these encountered in ord-ris-body aperformers; (3) for ability of noise hypothod subjects to held while to exhibit the subjects to held four-lines in odd positions for long periods; and (3) the induction of different hypothemians in either while of the hold.

The sather's main object is to point out the resemblance between natural and induced securated large, which latter term he uses as saother name for bronotion, and to call attention especially to the former mode of aberrard mental sormarkelies, based or answers to a circular sent out six years ago, contains received our than it was case regular or aloudy late complete asconsitoassess; the resultentations are set dependent upon its presence or sharmen. One subject. Mr. North, because on physiology at Westwinster bospital, save of himself at first. "I was not unconscious, but I seemed to exist in ductionto: mn inner self appeared to be thoroughly alive to all that was going on, but made up its mind not to control or interfere with the acts of the outer sett;" and later, "I knew perfectly well that I was playing the fool, I. e., that my outer self was doing so, the isser self looking on, too tile to interfere," and later still, "Here I appear to have been absolutely unconscious for some moments." Another subyest says, "Mr. Hansen told me that my hair was on fire. I touched my head. and naw that he was wrong. He then told use to put my head into cold water. directing me at the same time to a gas-burner. I felt it was not water. I felt the heat, but yet I could not refuse putting down on head and trying to wash it." Voluntary control over thought and action is esspecial; redlex action of the cerebral cortex, in response to suppositions from without, comes into plan; and, so less as consciousness is retained, the perception of this asternation carebral action receives the impression of a dual existence. Dr. Tuke's theory more pratch to attendation. Whether invention is interious to the subject, Mr. North found, ofter the third and last experiment tried upon him, that any exercise of close attention tended to bring on the same seasations as from From observations made upon patients at the Salpstriere who were subject

which unlessed in the legendric force; the following the following were subject to the protection may be found and the following the following threat and inflate owners that of subjection forces of the protection may be found to the following threat of the protection may be found to the following threat forces in the contact protection may be found to the following threat forces in the contact protection may be found to the following the following the following threat forces in the following the resolved state related, but they extract strength and definition the following the following threat following the following threat following the following the following threat following the following threat following the following the following threat following the following threat following threat following the following threat followi

PBH-004 HYPNOTISM

is witnessed of an individual stricted into two parts by the median prince. One shift be body, that shift corresponds to the classic operation to measurize the body, the shift of the mediant prince of the body that shift of the mediant is a condition of enablemen. Her, Charact very properly stay, the spin course of the spin condition of enablemen. Her, Charact very properly stay are considered to the spin condition of the spin condition of the spin condition of the spin condition. Her, the spin condition of the spin condit

PEH-004 [THE MYSTERY OF HYPNOTISM]

Konstler, Arthur: The Books of Colpoidsnon, Random House, New York, 1975, pp. 125-126.

A word should be said in his content about the hypoteix regions. Little the middle of the last contently, hypoteix was trived as on overfill laws by Wastern anisotic officient in other criticals it was taken for grantelly holy in his become anisotic officient in consequence to the care any to forgit the who has a series of the content of the content

The tone of marfield hypototic as available patterns in neitheric, obstatriat, and affertundings per will known. Loose of the sense; however, not the agreement of the properties of the properties of the properties. Principle with extracted or plants, to which high years to be highers, and allow hypototic restration, created so have presently as the properties of the pro

PRIORS PARAMNESIA IN DAILY LIFE

Scotts, Theodate L.; American Journal of Psychology, 24:53-66, 1913.

The service personnels are in secours in this paper is used in the breader reasoning and is applied and only to the photoconsic department frustriety with service gas and the personnels attained, the distinct of the French is which it is sometimes to the personnel of the person

Memory images as distinguished from those of the imagination are characturized by a conscious reference to the past, however dies and vague this may be; and if this is lost, it becomes impossible to distinguish between the two, --plagiarisms which may, from this cause, be absolutely unconceious and thus quite innocent of any intentional deception. Helen Keller's well-known uncoactions of natural are not the most of bushing, which counsed her no much united suffering hypothes as corellest consume of such a case in which the associations with the most having been lost, a story written to Miss Caphy was reconstrued as her bearand to speak, she spent summer and fall at the summer horse of her family in Alabama and Miss Sellivan described to her, in her usual vivid fashion, the begution of the natures foliage. Heles wrote a little story called "The Front Sing" which she seed to Dr. Acagnos as a birthday present. The story was a remarkable production for any twelve-year-old child; and for a blind chibl. a marvet, accounting as it did in vivid descriptions of color. Dr. Asagnos was greatly pleased with it and published it in "The Mester." A few weeks later this years before by Hargoret T. Costs; and published in a book called "Birdle and the Principle." Mass Sailivan had never meen this book and Helen, though finelly the our it had come to her. So far as she was esseemed, the story, in soite of all her painful effects to recall the circumstances by which it had come into her mind, still second to be her own creation. The explanation was finally found in Brewster with a friend, Mrs. Hopkins, who possessed a copy of Miss Casby's book and who probably, though she could not definitely recall doing so, read it to Helen Aurisor Mina Politione's observe on a vacation. Helen had at that time her first such ofter Miss Sullivan's arrival. The story was read to her by the only means of correspondention then possible, by spelling the words into her hand. It could have convered little or no meaning to her exist, but the spelling of strange words probably arresed and interested her. It is little wooder that, when four years later the words came so readily to her peo, all previous associations with them abould have been lost and they abould seem her own. Many yours later Mice Keller wrose, "It is certain that I cannot always distinguish my own thoughts from those I read, because what I read becomes the very substance and tanture

1 DEJA V

results emblaced in the absence of virtual and auditory measurisms, this confusion in. In anything degrees in common phenomenes of memory. An instance is which this confusion appears in a common phenomenes of memory are any particular confusion appears in a dissuantian on literary prices appears on any particular confusion. The present prices are presented in the presentation of the property of

faster that it was serventitient, being. In fact, her own-commentary upon a passage which she had read in distrip.

The attribution of quotains or video is wrong sources in so common as to seed no illustration; and the localing of security stituched to these distorted sections; and the localing of security stituched to these distorted sections of its first section distribution; and the localing of security stituched to these distorted sections.

second of the fallow meeting by strong as that a revenage through the outreworks are also meeting by strong as that a revenage through the outreworks are also meeting by strong as that a revenage through the outrereventorist the passage snapth. Misoportations, also, in what we appear the other attacks a statemed or even exceptively revened, may be assumpted by this same leading of neutrino as to the correctness of the version given. It evers connected normal manners three elements may be destinated as

(i) a pair overview broughing in our jigh belonging to one in a previous transver.

Let, a standing both her originated brough above separations on as a
Let, a standing both her originated brough above separation on one as
followed; (i) the reperious in a terror or the reperious of the control of the cont

To with better or teasily when the string set reagered from soon, the string of the s

Not 10 th increase; confined to experiences length relatively in buck in these. The store interfered segment in largical from its laboratory and described. The store interfered segment in largical from its laboratory and described. The December of the store interfered the store interfered types the sequences. In December of the store interfered types and the store in the store interfered the store in the

This meaning has been that the experience patients controlled after a facility of these are about 10 of these are the experience of the ex

others. In these construction to only in a control new with interpret attribute, and the control is a control new with interpret attribute, and the control is a control in the control in

stands a parting of the abstract of the second of function Projects to the control of the contro

this has no show given that it is quarted in Mil. "Hannes in financiars cause Collection from the control of th

the strong separate below. The being if, the behavior the dones of well being the behavior of the behavior of the strong of the cost of the behavior of the strong the strong of the cost of the behavior of the strong the strong of the cost of the behavior of the strong the strong of the strong of

that came over me or beholding the real speciario that had formerly been made

The show of deathing parameters are not have recovered in more dutation. Deather, we there exists, which was deather as the short of t

a described different explanation of its avoidables, believing the double trage does to as assual materiation of matal nativity and the consecritation at lateration and the events of the event of the events of the events of the event of the event of the event of the event of the events of the event of the events of the event of the events of the event of the event of the events of the event of the events of the event of the events of the events of the event of the events of the event of the event

ections of the relaxation and instituation. In this case the normal feeling of atthost is extentiation to absent and this given the feeling of assembling already known. In capital possible that all three feeders any be cereated, as they are not excessively contradictory and the conditions of the phenomenes are to variety, the condition of the conditions of the phenomenes are to variety or the conditions of the phenomenes are to variety or the conditions of the phenomenes are to consider the conditions of the co

way on any other than the second of the seco

of it is all proded "Harm." In it large ground with state of prince and consistent of the state of the state

A little gift of about, they many who amonded kindergastes regularly was presented with a multi-viab bosones one of her many private passesseries. One day, a few weeks after the had cores into possessarios of this suit. As easn to the property of the suit of the removibered acceptly whose the half as it is the suit of the only given all the circumstances with great detail had bee statements were correlated upon the suit of the correlated with suits of the correlated with the suits of the s

DEJA V

Search, however, and questioning of the justice and children faillands or reveal inshormaloust. Two days later a conferentioner than insighteenhood and no inquire if any of the kindeepartee (children had been in restl as one of wearf troo had been conferentially as the conference of the data of the conference of the conference of the conference of the conference of the data produces to their ow wheth the conference of the conference of the data produces to their ow wheth the conference of the conference of the data produces to their ow wheth the conference of the conference of the data produces to their ow wheth the conference of th

This time of parameter heigh very content store of hillien in when the interest to the content of the parameter has been content of the parameter for the content of the parameter for the content of the parameter for the paramete

"National endeaped to the entry," in regard to the cultural appearance of the case of the

convenient describes described and provide labor on fractional, in the labor of the control of t

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The been here once before. (Drawing by John C. Holden)

have, and of ones types of ligenories and issued to accept the desired by the desired power in the desired by t

the sepal sacretifies of reality to otherwise help party immediately effective in tary contributed.

Control of the parameter control in our resents at each of the parameter control in our resents at each of the parameter control in our resents at each of the parameter of the p

Modern sense had been beginned to the sense of a phase large for the selfsor of the sense of t ons interpretation of his character as given by the prediction rules confided a partial monomy, because when approached by Recha's grateful sures and companion in the days immediately following the vocum of Recha, he simulates as indifference which he does not leed, and requires he with rudeness and insults, because being been by his voca as a template he with rudeness and insults, because being been by his voca as a template he with rudeness and insults, because being been by his voca as a template he with future to see Recha

regarders to the control of the column of the control of the contr

train of associations has occuping the professor's mind for the original connections was entirely in shoord with the law of habit.

Free: the analysis of the foregoing cases it appears that pararasetia to reduction to the control of the analysis of the sanctative processors, is consequence of which

The annexis may consist to the dropping out of one or warm impressions, as a result of weakness or distinct of animals or distinct of the original superviseo, or it do tops of time and place annocalisates. In the latter case, there may result a consistence between objective and subjective conditions, or the successive images that detailed any forms a part of the sorter of stantial processions without recognition.

Paymenants in this and in itself on absorbant mental process, steen it results from the evaluating and historing which are that accretistic photomers of a second image, but may enablish all gradations from the shight deviations, which occur is varying degrees in all surraint propublishes processes, it is decrived as an extra the ministry associative limits and resulting containing of subjective and objective opportences may completely indicate this whole mental satisfies.

PRJ-002 ILLUSIVE MEMORY

Osbers, Henry F.; Science, 3:274, 1894.

they meet time man. I have been teachingling a content probability to probability and probability of the probability and is not infrequently not with in present literature. It is that single weathers in the probability of the probability of

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stratificances: the latter, therefore, is a superfixe of the Erreny, and gives true to a neutrant that it has peaced through the state is an estimate previous true to a neutrant that it has peaced to be a superfixed to the state of the state in the state of the sta

over importances, is the bone of obtaining more information, I distributed a question upon the saliver smoot go in large number of persons, principally college-stadests. It may now be given to session sizeful filled form, as follows——
three you come subdiving upon a satisfully new some, and, while corrider of its energy, that it means the satisful filled form, as follows——it is exercised that you had most it before——the a contradict that you for the contradict that you had not the substitute of the satisful filled filled for the substitute is which that has occurred. He may not sufficient on this apport-

sees were suggested liked! In you? How frequent in the depositions in your case? Was it more frequent in dillification than it present? How sees do you mustly become consolous of the deception? Does it seems more frequently in connection with decent liked of experience fam with others hind or depositions dum with others hind affirmed year of miderial upon this one open affice in affirmed year collected in vite and other ways, which I have by publish in a reverse article in April. In the most other ways, which I have by publish in a reverse article in April. In the most other ways, which I have by publish in a reverse article in April. In the most other ways, and the ways of the contraction of the contractio

while, any information bearing upon this question will be of great assistance are value to us.

01 THE AUTOMATISM OF MEMORY AND ASSOCIATION IN PATHOLOGICAL SOMMABULESM

Messer, E.: Journal of Surveys and Meetal Discope, 2:48-67, 1875, In addition to the automotism of the patient described below in the apparent retention of the image of the letter be was writing despite the physical removal of the letter.

The nervous disorder which F The nervous emerger which r presents, only managers record or parceyens of brief duration, relatively with the interventer period. first of these attacks goes so far back as the early part of 1873, when F was still outlined in Germany, and hemiplosts in the right side. At this period the crises remarked themselves at shorter intervals, and he continued in this conflitte as long as the wound in the studi recentled open, or a trifle over a year; from this time orward the attacks were retarded, and the intermediate stage, which at the first was of from five to six days, became finally of from fifteen to thirty days. This periodicity was preserved for about two years, unreturn. They always, however, canonidad such other, and were stamped with the seal of an areamptions activity. The coast of the parameter is removed by with the pressure of an iron hand: In its termination it is the same, since, for rancheses. The transition from boulth to illness in accomplished with racidity. is a few rainates, innomible, welfoot convintone, without cry: he changes from can to the other without experiencing those lasting tiets of highs and reason which ne find at the hour when sleep approaches, and he who is conscious, respectable and in his restrict of hissaid, an instant learn is early a blind resolutions. As any analysis of the property of the second of the property of the property of the second of the seco appearance of freedom which he does not really possesse; he seems to execute

Secretary of Products with the case of model patients, the same to receive the case of the

indiction), of the time, place, medica, investigations of which he has been the object, nor of the different persons who have attended him. The separation between the two phases of his life, health and ill.com, is absolute.

We may come to the psychological study of this individual through the interpretation of the facts that present themselves during the stiack, never lesing eight of the details from duly observation. Which may be found in another parties

The general sensibility is, as we have said, completely extinguished. The expressed transactifity

is nearly the sums during his attack as in his sermal condition, with the exception that motion is less rapid; he wowen about with open it slightly and turns to one side; whether it may be a tree, a chair. a beach. a

max, or a womax, it is nothing more to him than an obstacle, the character of imputative, improvable, and yet at times it reflects the ideas which apostuneously

He was promoneding in the garden, under a green of trees, when some one

became attentive, seemed to listen, and mathesty cried out "burry!" thee, "there they are! there are at least twesty of them, to the two of sa! we shall get the butter of them?" and then, currying his hard behind his back as if to get a cartridge. he wont through the movements of leading his masket, crouched at Juli length in the grass, essenting his head behind a tree, in the posture of a sharpcourse whom he seemed to see aloss of book. This scene after repeated in wounded. I have tried, during the ottack necurring fifters done later, to neuron for the confirmation of this hypothesis, and I do not believe that II is possible to having been again placed in the name conditions, the same score is reproduced direct the activity of my patient in accordance with a train of ideas which I could call up, by playing upon his tactile sensibility, at a time when none of her other

All the actions and expressions of F are either the repetition of what he peoduce a decided existen recording this subject. By following him in his a frommed incidents coming up by chance, but all highly interesting from a parmed his hands over this door, found the knob, grouped it, and attempted to

which however, was not there; then, passing his fingers over the errows which accured the lock, he enderwored to seize them and turn them for the purpose of detaching the lock. This entire series of actions bears witness to an effort of his mind connected with the object before him. He was on the point of fearing bunch of seven or eight love; he did not see them; I itseled there leadly at his of there, and trief them one by one in the her-hole, without finding the single one which could fit; he then left the place, and went lete one of the wards, taking in his naneaux various articles with which he filled his pockets; at length he came to a little table used for the records of the ward.

He named his hands over the table but it was empty; in feeling of it, however, be came across the handle of a drawer; spening it, he took up a pea, and all a core this pen suggested to him the idea of writing; for at that measure he began to russuck the drawer, taking out and placing on the table several absets of This letter was written with many mistalow in it, but these were identical as

regards expression and cethography with all that we have seen him make in his healthy state. While the patient was writing, he aided us in an experiment that encouraged us to immediately examine to what degree the sense of sight asstated and followed the lines upon the paper, left no dealst concerning the exercise of vision ergs the writing but In order to make the mood satisfactory, we have a few words written in an almost illestible reasons, with the letters entered to such other; then finally he stopped without resulection either discontent over imputiones. The obstacle removed, he figured the ascompleted line, and began

The sense of sight was therefore in full activity, and associate to the written scenarios of the patient.

As further existence, we are able to cite a second test not less demonstrative: for while the catient was writing, we substituted water in place of the telt which be was using. The first time to dipped his pen, there still recessed a slight lings that was sufficient to runder the writing legible; but the second time, the pen which held only water, traced transitory, freatrating characters as he at and attempted to resource his writing---- the name results---- then a frust examina---- and yet this patient, confused and distracted from his combinement in our white, cover had the idea for an instant that the source of trouble was in the telestand. His raind was incomple of appetaments, and his eight, directed upon the namer and the new which he hold in his hand, remained very imperfect, immediate the inketend, with which he was not in contact. This second description conthe installed, Will Seams are were too 15 connect. I this forced some same con-firms the first; such fragmentation had aging resulty extended in the the first secret in he critical, that the field of vision was earliarisely restricted to a critical region relat-ing most intermedy with the policitalizably of the particle; that the receive of ought was only consect of the factories of involving that in surrective remained limited

as a first a serious of finest. I said to a serious restrict residentially serious for the serious of the serio

has per, in different phoses on this black page, here a certima, there at a, at matcher place a, L Bibordeg of careadily the enriceptical of each two cold, and occreeding them to the best of his ability, each one of these corrections correposing a on a tensopiton word, which we found at the name height and the same languarding the riginification of their remarkable action, it is certain to us that it solution contains in an indirection, state that represent the whole image; and gives

the senses, so these centering into convotes modal give rithus to the raised or the these was not that in steep, in the cases, and in convotes accuracy. — read over again in his memory the before that he had writter, the eyes freed upon the control of the convotes of the convotes of the convotes of the control of the convotes of the convotes of the convotes of the control of the convotes of the convotes of the convotes of these control of the convotes of the convotes of the convotes of the convotes of these convotes of the pre-centiment of the convotes the convotes of these convotes of the convolved of the convotes of the convotes of the convotes of the convolved of the convotes of the convotes of the convotes of the convolved of the convolved of the convotes of the convolved of the convolved of the convolved of the convotes of the convolved of the

every saried that cases within the reach, and concerning them atherwards nature after a reaction of the prince, he test from the prince is not a few prince of prince of the prince of t

continues of the state of the s

offered him testand a lighted match which I hadd to my own hand; he did not nonceive it no close to him eyes as to singe a few lashes, yet be still did not perceive ii, neither did be make the slightest motion of blisking. He highest snether match ing on his part as becore. I prought it is contact with the disparence were no wan holding in his mouth, but even when I burned the tobacco of his cigarette, he did not notice it, nor make any movement of antivities. This experiment, so remarkable for its simplicity and for its results, goes to confirm the preceding: mancance for its simplifity and for its results, goes to confirm the proceding; that the seess of sight receiving ingressions from all the objects in personal relation with himself through the teach, and does not require impressions, or the contrary, from things entered to him by perceives his own much, but four any perceive mine. I have an different times, during later purposers, recognition inkillerest; his eye, dull and fixed, exhibited seither blinking our pupillary eve-



M-002 MULTIPLE PERSONALITY

REMARKS ARRABITATION AND COMMISSION PROPERTY AND STREET CO.

V., M. de G.; Society for Psychical Basearch, Journal, 7:56, 1896. The following account of experiences under the influence of nitrous colds

gas is comewhat similar to a case given in the journal for July, 1894. The ingreastions do not seem to have at all resembled those described by Professor W. Hammy, is his paper on Partial Assesshesia, in the Proceedings, S. P. R. .

Part XXV., Vol IX., p. 236. About Aggest, 1860, I had "Loughing goe" during the cotractice of two teets. and observed the following-

The decites sold me that when I heard the notes of a municulator I should brow I had "reme to." The ductor said I should not hear him count "twolve."

At "two" the gas was turned on. At "etg" I was conecious, but aware that I could no longer atop the operation. I beard "seven" and "eight," and then the

conversation between the two goodlesses became so absorbing that I forgot to listes to the courting. They were discussing the question of my scentifity. and saying that they were only pretending to give me gut. The last remark of the destirt was addressed to me. "You see, it is entirely a question of faith " stone I am down. Another part of me, which I can only call I, waited to you

curretances. The doctor cald I should not bear "lifteen." At "two" the gas won tarned on. At "sever," I was swore that I reald not

move neath, but was still so conscious that I lifted my hand (with areal difficulty) to show that I still felt. I heard "eight, sine", and instead of "ten," at what connected with me, had gone through a long experience since hearing the word they ented I heard the west-rat-hore but there was a further interval before I was able to wave. The destist was writing me to sit up; but I made no effort, on

I fail that I was not garte core that I was complete enough to more. I was not cortain that the person who heard the order to more was able to conver the order

PBP-801 A CASE OF POSSESSION

Fraser, Donald; Journal of Absormal Psychology, 16-699-415, 1916.

even amongst the ignorant and superatitions, while supposting and contaging played a large part in its spread, as it did in that other and more hateful form of it known

Enquire! who wrote clearly about it in his "Maladies Mestales" under the heading of "Demonstratia," Spoke of it as being propagated "by contagion, and by the force of imitation." This was (Bastrated in the Fulfamic of London, amount acred all the both Legrander. but was arrested by the statem of a Righes, who was presented as recently as 1657 in an optionals at Morrison in upper Sarry. It began with two little girls, pieus and precocious, who had convenience attacks. it spread to other children and then to glidts. Amongst the younger of those affected, costany, cutalogay, and summarabalism were seen, and later, convidwith stellant and impulsive recognization with applicantiess and order that they were less works to hell, the recethorism of the deetl, etc.. Those attacks would of course and crotic speech or restures. Between the exercisions the victims isra in its more poley and entravagent couptions. At all times, even when such ing and action, there is a tendency to pathological conditions. Often its subsects rather than a natural process, voices are often heard, lights seen, or visions condition. It has been pointed out that the ecstunder, transcen, etc., of the raretic, while essentially authorogical, have the ovil effects of such married mantlesin the case at least of the higher myetics. The one may be rough and very

reland, but the energiest metal to there also, so it was to our rations, though the indeed now many similar cases in our asylums though we percently speak of them as Beligious Melascholico rather than as Democranatacs. In such cuses remarts, or of Dementia. There are other cases where the religious emotions four or remove. the result of fixed ideas of a sharpetel, distressing or frightsome character. A good coursely of this condition though covertially bysterical in its nature, is detailed by Pierre Janet. The patient, a respectable

return from a bestees purpey of some weeks' duration in found to have become depressed and laciture, and as the days pass his melancholy despens. At first

phenod through him, prevented him sleeping, etc. After some months he was sent to the fighterriers where he came under the observation of Charcel and exceptained by his methods that the illness over the country of recurren for inoffence convolited during the beginner issues which properly the orthogoerce was in the intermittent character of the symptoms. For a period of two

several years. She differed also is the obserce of blaschessous, extravariant or shapene speech or action. The Devil peter at any time used her as the moutholece for devillab words or thoughts. He was there, and as she insisted is hodily form within her, making her intermely minerable by his prosence, and religious life. For wore there, as in the case above referred to shareful or remorable consistent at the root of her usual condition. In presenting the facts of the case, mames and special marks of identification have been altered. Mrs. A., a willow, aged fifty-two years, was admitted to the Pateley Dis-

Her condition on afminsion and for two years subsequently was that of recur-

ing and crying out, often with tours over her lost and dreadful state, and the and accombat reserved in manner, she was quite cheerful. When questioned at depressed and delastre as over. She was always worse in the recraims, and

offen improved as the day west on. She was a stort, pleasant featured and intelligest woman, scenewhat assessio, and with a shight blaigh timps of line, though beyoud a lock of lone in sounds, the heart was normal. Her amorate condition was accounted for hy her having suffered frees memorybagia for the greater part of two years, which only stopped a few months before her admission to the Asylam. It had storing its continuance brought on breathfeauness on exection, and what she called sparrie or "erippings of the heart," no death the heart of her means feelinto in left hypochondrians. There was a slight selectorest of the thorost stant but no everytages referable to it. None of these physical conditions beyond the "extensions at the heapt" If maybe, appeared to have any appearable influence on before her admission. As interesting feature of the care was the relation between with a files force februmomanometer morning and evening, semetimes oftener. insiceal states were marked by a low pressure, while a high or relatively high pressure marked her same and observed states, contrary to what in usually observed in melanchelia, though similar to what is seen in agitated melanchelia

shed till the was often well; at 110 ff or 100 ff she was always if When recovering, and few weeks before dismissal there was a fairly meanly pressure of 118 Ho to 130 Hg day after day. It had been also noted throughout. that during a continuous period of depression, or of well-being, the pressure kept shouldly high or low day after day according to the montal condition. There was obviously then a constant and close relationship between her blood pressure and her meetal states. At first night it looked as though those states were directly affected by the varying pressure as it may have influenced the mirtiles and therefore the functions of the bruiz, and on physiological grounds it is diffycult to eathade such an influence altogether, even though we come to the esseluprecede or cause there. The broad general statement has been made that "each pleasurable existing raises the general blood creasure and terresons the blood

and reavis. Thus at a promute of 100 %,, she was generally very well; at or

the had married happily at the age of riseless years, had a family of cishs children, but had been a widow for about tweety years. Her busband died auddenby shroad, where she had lived with her family for two years after his death, and sating on the obvice of her friends, the came back to this country bringing oil her children with her. This involved her in years of struggle and madely to bring then up creditably, which she managed to do. During all those years of widowbood and strong the was mentally well, and latterly the described har life up a home one recovered as she was by an affectionate and well done family. The had been brought up to a puritize beauthold. Her father and her husband but been desuly and consistently religious though strict in their belief and observance of the lotter. This uphringing favoured a reterni tendency towards religious mysticism which was also promoted by the cross of the church to which she inflerly belonged, and of which she was a descoress. In this charch the "gift of toogues, and of "probpaying, and an anonatones of the course on first part of its particular. The as she informed me in one of her normal times, she occasionally spoke or prophested is the public assembline of the congregation. I gathered that her offerences were generally by a wood or two of enhantetion or plans and ratios

and to triese of unworthings; apported therapelyes outside of those periods of part in such work, and by the feeling so she expressed it "that she had overnamed as she was preceptly," and that God would be argry with her for her year numetion. Throughout her coligious life she had been always lacking in "assurance." Latterly this feeling had grown in her and was evidently part of a desper feeling of mental depression, as she began to think often, and with a feeling of contrast to the powerty, struggles and disappointments of the early years of her widoshood. This was her regulal condition for some little time before her attack of scate month) distachance which began one might a month before ad-

mission to the arriver. She went to bed feeling ill and obscering as if from a shall. To the widdle of the sight also wake up to a fright from a vivid dream agents before "Vecesformed by the feeding that the Lord would take care of her." within her. The feelings of dread and fear grew steadily, and became too strong arrhyn. Hallantantions of what might be record internal touch leading to this May of possession, are not seknown in the areals of mysticiars of the more morhad become of it. I also the more equipple the regatic becomes, the more by margan Airpard! to his feelings and tends to develop halferinatory permations. He to possessed, and desires to be possessed, fortunately for him, by the Diviso and not the ovel spirit. Hallocirosices of external touch are as might be expected more is people supposed to be normal. Harelook Ellis tells of a "Farmer's doughter his finance. The applies in a fright and was constructed beyond with the thought

rannantice. There was no one in the room, the door was looked and no coplanation assumed remarkle to her. The was very frightened, got up at once, drowed, bruthers if they had not been playing a trick on her. The rantous about was on the aboutger, though on tarning round be had found no one near. He then remembered that on the cur he had been locating on an iron belt, and therefore

decars are set on very uncommon. We think as to this block enough ambaration that whatever the local remation may have been, or however slight, as it probably was, it could call give rise to an halfneinstien of baring been touched by some enternal personality when it was absorbed into, and became a part of a considerable emotional disturbance as is the case of the girl above referred to, and of ery polices. In both cases associated with a frightnesse dream. The tiliness of the latter begon with a dream, and its continuance was in our opinion, largely due to dreams of a painful character. During the whole period of her residence it was noted that she dreams a great deal, and that they were torrifying or alarming dramms, and that how had days were generally preceded by a had dreams. Notes of her dreams were regularly made, at one time for ten consecutive nights, and only three of them were re-far as she removabered free from dresses. All of her dreams she described as "awfal," Many of them were of heine relead on her dreams are outcritted as aware. Among to ware a roung, with obsectionable occupie who behaved roughly and used profuse language, but and of this she was very certain, who never talked or arted chaptersty. She frozzently dreams of being on high precipitous places from which she was either falling, or could not get away from. She described one vivid dream during which she suffered great minery, and mode from in great distress. The dreams that she was listening to a preacher with open lithle in his hand, that he spoke about Peter where he was secusing of disobulizane; a number of people were preper but she saw particularly cole one was also looked over home. the service ended, and she probe in "access," this feeling helps due, she noted to the constellers recover with her, that the secrets, and the year's handlests were intended to show her how much she had lost since she was cut off from "youre" by Satas dwellter is her body. Again the drozest of a near relative whose she heard sinctor. "And they all speak in tempors to magnify the Lord." This brought norrow to her of which she was conscious during the dream and after she awoke as she thought Satas was putting this before her to show her what she had fort. In another drown she saw three unpleasant looking men talking together. The worst looking of them of Jewish appearance, came close to her face, and argued with her shout the evil spirit. She said "he was in her body," and he noswared "away with him." She fell salong and dreams the same dream again. These directes were obviously everywed by her dread and fear or to her religious position. The following one is normally different you'd his brown hand owner up to her and prossed against her face; she sheet near and dressed she was to a in the latest content of all these dreams, particularly in this last coa, evidence in favour of their positions, though to us they reveal cely, in the blarred and broken was dreams do. the prevailing trend of thoughts governed by morbid religious fears and garbed in the phraseology and symbolism of a judge faith. The parsethe dream which unberted in her illness to which indeed most of their more elegals. related in general and contest. No dealt Franks resolventative would be able to earer but memory back into the region of long fregulton infantile or early nex of instinctive feelings whose roots are in a far anny, obstoreastic med, having spart from suggestion so cole as factors in the production of morbid fears or select forethly remand us of the words of Lord Bacon, "With regard to the interprodution of natural dreams it is a thing that has been laboriously handled by many writers, but it is bill of follow." All kinds of trivial incidents of childunexpected ways, but not because of any relaxation of a exposed "censor," nor

PBP-001 POSSESSION

often than not associated with fear, obtained the connect emplications, and a more primatitive and more enturing emotion than any of those connected with reproduction, and more alien to the organism than sex memorities even of a foreverse order, that resurrection being due to occur saide association between the

precised and the past, generally a measury one, visual or auditory most frequently in our not cane the auditor recollections of thirthood are so amendated and recollected. Sensities amongst frees, and brids atoging bring back to us of very long intervals a country score where us a child we were frighteened by freest of a "bogle man." The only children tendents which inexpectedly recour with us were associated with children to the country of the country

were associated with childhole fears and disapprissments of a usual and ordinary chargester sower that mortifed elements or resistant exceptions which were redefined to the control of the control of

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stand shall pass the the expected is an official to understand when the down the control of the

POSSESSION PRP.002

beginned to the pile by the trappersones, and here constantly executing features of the control of the control

Bir recovery was very gathali and navided by song religions. Its has treat
as in one 25 has as to the estimation of the flavinder, we also hasses on
the same of the standard of the flavinder, we also hasses of
the same of the standard benefit to improve her help's bealth and condition.

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we were successed that we could have successed intertuning the distribution of her illness—every year, ...—by hypothic suggestion, but substraintly her friends objected to this mode of treatment. Buggestion in the waiting clase had been abundantly used, but will halfe apparent effect of an insmediate kind.

PRP-002 PSYCHIC DISTURBANCES IN RUSSIA

Annymous: <u>Science</u>, 11:178, 1888.

About tweety years ago a peasant in the province of Perry. after spending much time in the reading of religious books, concluded that the end of the world was at hard and corrected his neighbory to his belief. Voluntary suicide was the cely release from the relsery that percounted them. A number of rese. women, and children, including the members of his own family, retired to a forest, where the mes dog catacombo, while the sumon made shrouts. This lasted three days. Then all the disciples, dround in the purposes of feeth. three times renounced festar. The leader gave the command. "Take no feed and no driek for twoley days, and you shall enter the breaton of harron." Then the of the children, when they saw writhing is agony, and sucking blades of grass or esting sand; but the leader was immorable. At length two of the laustice could endure it no longer, and fled. This frightened the hand, and the leader appropried that the hour of death had come. They reassurred the children, and decided to continue the fast. At this stage the police had sought them out, but their frenzy was kindled to the highest pitch. With the prospect of capture before there, a borrible carrane enemed. They billed the source with hetchete, and the efforts

PBP-002 POSSESSION

Another Instance is that of the sauth Pales, who are story pare any west of the sauth Pales, who are the sauth Pales are the sauth

age util the star posterent. How the, thus fitting that reviews and obtains speakers, and she gives a third speaker, and the start, as the old per confusions. The posterior is appeared to the speakers, and the start of the start of the speakers, and the start of the speakers are the start of the start of the speakers and the start of the speakers are the start of the speakers and the start of the speakers and the start of the speakers of the start of the start of the speakers of the speakers of the start of the speakers of the

See Section PBD for other instances of mass delector, and mass hysteria.

PROJECT VOCCOOR BOOT WORK AND MEDICINE

Tioling, David C.; Prychosomatic Medicine, 29:483-490, 1947.

"Boot work" is akin to bacing. To illustrate its operation, we quote one of the serve. Case 2. This care demonstrates how root work may present as an arote-

psychiatric emergency. The style of presentation here is considerably different from that of the first patient and yet both patients shared the underlying belief Mr. E. K., a 38-year-old Negro, came to the Emergency Department in an

anneaponsive state. He started blookly at the ceiling and senacked his lign. He spoke year little but did repeatedly sek for his girl friend. " , where are

the obdo." One worked at a club as porter and buriender and was brought to the hespital by his employer, He was admitted to the bosoital prochiatric service and remained in the save-

crasy. I'm sick inside. Why did they bring me up here? I will never talk again." On the day after adminision be vosited and abruptly outd he felt better, and he began to talk. He said, "It isn't because I didn't want to talk, it was the feel-

Physical examination and routine unknowner, serologic tests, and complete normal. After he began to communicate, there was no exidence of a numbrito-

He then teld a long and detailed giary of being under the poison spell of your work stone oblighood. He said that both his parents and his 3 older half-stateve. legger and a Creeke reother, both alcoholies, who best him because he wasn't a bootleg hoper. He believed that the neighbors were familiar with rost work and

placed a her on the patient's family. When he was 6, his father died. When he was on him as well. He felt he was able to avoid the peison by avoiding food When he was erphaned, he went to live with an uncle who forced him to work,

He hated the work and began to steel. At age 15 he was not to tail and he says that he experienced his first "poisoning" as he called it. makes the victim unable to talk, and can even comes death. With resulting the

While at Pt. Leavenworth he had his first such spell and passed out. He said he couldn't talk for 24 hr. and was taken for dead. When the spell broke he said he was normal but was treated in an Army hospital for I year and then returned

PBP-004 POSSESSION

Two years later he had his second attack while settl in the Arroy. He said he are some panoises for breakfast which did not agree with him and then the plant work to work. The work. The bears had not all to 20 he. In condition special set 1 the late liquid over his body. He rapidly cleaned. The destroys that his he had "absented softeness" for the page 18 west "review."

the derived what Papara is always, which come \$6000 bit had been been directly the definition of the control of

was in and out of prison.

He hash this thrical study, at age 30. He was in prison, and it was countly blothe first two. He was falce to a hospital and he said he saw a psychiatrist who
said he was "koornal."

He litted in Beobaster for 2 years prior to his admission. He worked at a

He freed to Rechaster for 2 years price to his administer. He worked at a rightich for 2 weeks prior to his administer. After specified the city with his girl friend, he areke on the day prior to administor noticing a weld disconsist in stamped. He leggle the "hour stonach" 31 day. He tried to vorth, we couldn't, (He later thought that it was good he had not recrited as it "might have tilted him." He see some correlation and fell in solid mans rince to In his charge.

billed fair.") The are enter overfittees and first a solid mass rates you in the chest. The assumation want and variest all this, and laise to the revenige he passed out after he astood up to go to this cross and rest. Be was then brought 16 the hospital After the quisites with better, to exactly pushed one desirange and was compared to the contract of the contra

beliafs of these patients and how they may manifest themselves in a clinical seting. N is boyed that the detailed accounts will mists a physician extensifiar with rest work in approaching a similar problem. The nest 4 cases will be presented in a more currenty fastion to bring out other aspects of the problem.

PSP 004 [PRIMITIVE MAGIC] Assoymous: Nature, 105:590, July 8, 1900.

ts the University of California, Publications in American Archaeology and

Binking (vii. xiv., So. 6). Bluit Lottell theory gives a valueble second of the same of case of the viii. A viii. The control of the viii. The control of the viii. The viiii. The viii. The viiii. The viii. The viiii. The viiiii. The viiii. The viiiii. The viiiiii. The viiiii. The viiiiii. The viiiiiii. The viiiiii. The viiiiiii. The viiiiiii. The viiiiiii. The viiiiiiii. The viiiiiii. The viiiiiii

score spirit preventing has necess. Since his song did not go right, he could no cothing. "Other marved of a surfuel field are reported. "Asserts mas as a done whiting serviced he raised his house and chaped them together. The reterior has been also as the surface of the surface has been as the surface his surface. The reporical date a AUI account of the religious and demolitic titles injusticed by the tribarillate potany, which was of an interesting type, he see of disappeared with the

PRECOS HYSTERIA AS RELIGION

Accesses: Knowledge, 8:113-114, 1885. As Indiana (persol has a long account of the strungs doings of a so-called

encest, and that is fact the engitement passes as rapidly as it comes. The Medical science does not besitate to assign the methods here used for reli-

ing treatment by modicine like any other physical complaint. The exidensic now like cats, as did a whole convest full of russ in Italy, or imagine themselves The Countries of St. Medant beloomed in the same exception. They

volation will often throw scootilive persons late a precisely similar state. The are physicist, not resistan, and it is not than reason that they do not produce any

not expect any taxoning changes in their manyotts.

There is retarbled in the debasion which confuseds business with reliefus. for the consequences of this mistake are of a kind to diagnat noter and rational people. dissipate the halbertration that the evidences of diseased condition are unalogous

PBP-006 POSSESSION

SEASO INVENOTION AND THE ESKIND

Mason, O. T.; American Journal of Poychology, 1-552, 1868.

Cute. Healy, in the last report of the crusins of the Greeky, report a most again per formace executions, a special most account of the Correla, report a most again per formace execution as a special most account of the Department of the Correla of the Correla

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we occused largest and usersary, it can constructed to a surrier what he has
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PEP-007 THERIANTHROPY

Eisler, Bahert: Encyclopaedia of Aberrations, a Psychiatric Hagdwole, Fudelsky, E., ed., Philosophical Library, New York, 1985.

In many parts of African the belief in ones who can transferry the constituent take lines and the legisters and still their conceptate in this state is normalized to the control of the legisters of the legister

of the new of Temperatures is trace Prote Private, 10 May 1919 posterior to cigal Augustan in Managerian, Bankgrate and Managerian, Bankgrate and Managerian, Bankgrate and Managerian, Bankgrate and Managerian States and the mean and the deposit temperature, and of May? Generalized the ranks of the mean an enable of the own trees-bank, particularly the Managerian Managerian and particular with Managerian Managerian and particular deposits and particular depos

Behteler, and R. F. Land devoteed the bodies, 19, 5000.

PRT.001 EVIDENCE OF SUBVIVAL OF A MUMAN REPROMALITY

Tillyard, R. J.; Nature, 120:686-697, October 20, 1928. I have just been able to see Noture of Aug. 18 before leaving America for referring to per report, which, as you were cool senses to adent, established

The article referred to is fair but weak. The supernormal does not mean the supermateral. Everything must be accordant with Nature when properly strange and exceptional. That is no reason for refering scientific attention to o science.

The purport of my article is to show men of science that supernormal pho-

I cannot accept the plea that accepte has too much to do to attend to them: such of radium elitrately broke us the old physics and oxined up a new atomic theory Biology will sever progress so long as 2 to built on the foundation of the material deeper understanding of the meaning of life. My call is not to the older biologists but to the younger men, Seeling confident that some of them have the courage and

On page 230 complaint is made of the "Inadequoty and oxitity of the tests." cability which about a service and that the examples of the rountly

On page 270, page 4, the physic "my number" cells atentified that it was the number selected by Wilter out of eve let of sharts. A resider reald and that that instruction." The answer is No. Other minaporeheasions would have been removed by my full report. I had made sucret signs on some of them, and otherthinks may have been Mrs. Littlebrane's successful 'shot' at a square and a

drawing lead, and that Mr. Evans might have drawn anything---- flowers, fruit. astroals, anothing; so it is unreasonable to attribute success to more chance. As a further test of Walter's power to see and do things in the dark, I may regetting that at a subsequent sitting on Aug. 9. De. F. Main, of Bouckele, man with me, having brought some pieces cut out of a magazine to see if Walter out of his pocket and more to Walter to the durk. After the searce, Marrery,

wrote the words "The Moot" and "No Julia"; and these words were afterwards found is correspond with the alipe powersed at readons. I took a telephone coll to Mrs. Introduced the state of the properties that she had forwer a crosscear state fellowed by stem thereoglyptics lies. The J.D. which where held to a mixture reads as the word "bias."

Fig. 1. Capy of what Mrs. Literbrenn wrote at a distance of 80 miles from the searce of Aspect B.

At the same sitting Wajter chose the stephers 4, 1, and 14 force a caleptine, and said that he would make Mrs. L. write it backwords. She write 41, 1 ask you what normal reason could also have had by writing this rather than my other combination of two digits. The suggestion that this left, sitting structureously, said as well as the combine of the combine of the combine of the combine of the combine sittles sway from the Crandous, can be an accompliant of theirs in fixed is expli-

too will so be taken eer instity. Me writer or the landing mittels is Maximus stat. Will reague in Institutive plant, the writers or the landing mittels is Maximus state. The mittels will be a similar or the mittels. Exactly, that is what makes the Bagal-repair feet for exquest as a instituted with the landing state in the landing state in the state of the state of the landing state. So that makes a simple control of the state of the landing state of the landing state of the landing state. It is the landing state of the landing

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Fitally, on my return to America. In order to situation every shapes of cellularism todas; a numel lever the longerit. Dr. Crandes allowed rus to hape a stiting atom with European; be and my mentions being consider the door. Under stiting atom with European; he and my mentions being consider the door. Under stiting consideration, the consideration of the considera

Thin 'wotan' sitting in manaweeable. It is the crown and intempt of my work in appetrical research. It are only remains for seepites to accept the proof or to attack my saw overgreence and variable, it. J. Dillyand.

(When on his way to New Zealand, Dr. Tillyard sent a long letter to reply to the leading article in <u>Nature</u> of Nag. 18. Space could set, however, be found to publish the letter in hell, and as much delay would be involved if it had to be need to him for alreadyment, we decided be ask a friend who is an expert in the selected to conclude at it and yet include the saltest points. The latter representa-

We some this chain is be triber In. Tillyard has added any capacity to his article. It focus as stimpt in cupit to the every pertisant research we centilize by made, and above all to the supportion that the convertances were and desired by tracell. Moreover, has aftered to show that he had read to depress admittant substantials whatever was necessary. To: Tillyard previded the erits with a notice of the convertance of the erits of the convertance of the convertance of the erits of the erits

new experiments at subsequent strongs, both slows and with others, on which we do not propose to comment. Suffer those alliesed (psychis) physicismum can be accepted by the occeptible

words. The model by latest experiences are contented with two it is whether the content of the latest in which the content of the latest in the part of the content of the first partial field in the content of the foreign content of the first partial first first first properties. These foreign content of the foreign content of the first properties of the first partial first first first properties. These first partial first partial from first first properties. These first partial first partial first properties of the first partial first partial first properties.

PRT-002 GENERATION OF PARAMORMAL PHYSICAL PHENOMENA IN CONNECTION WITH AN IMAGINARY "COMMUNICATOR"

Owen, Iris M. and Sparrow, Margaret H.: New Harisons, 148-13, January, 1974.

An atterge of plant construction, in Separather 1972 a group of numbers of the Yversion 5. I. I. decidated the simport to construct a ghost. This filtered in discussion on the nature of ploots and speculation not to sheldow, in fact, a plant and the second of the seco

supplement, at the part of the

T-002 SEANCE PHENOMENA

The group constated of M. M. S., B. M., A. P., D. O'D., L. H., A. H., S. K., and I. M. C. During the early part of the nessions one or two other people took part for short mortade, but the group finally crystallined into the merabers mortioned shows. Son females and three makes

The story in brist was no follows. Dillie, was an antenorario Profishmen. er of the Kine, and was a Catholic. He was married to a housiful has oold and out ridiar on the boundaries of his estates. Phillip come across a great conversafell instantly in love with her. He brought her back segretly to live is the outhouse, year the stables of Diddington Manor --- his family house. For some time he kest his love-west scored, but overtraffy Dorothea, realizing he was keeping someone olse there, found Margo, and account her of witchersh and stealing hor husband. Phillip was too segred of losing his reputation and his possessions to

protest at the trial of Margo, and she was convicted of witcheraft and burned at the stake. Petito was subsequently strikes with recurres that he had not tried to deone morning his body was found at the bettern of the betternests, whence he had The story continues that Philip has been reincarnated agreed times story

then, but once every century or so, his short is seen on the bufferessets of

Diddinator. The every decided that the year 1972 was a period between incomnations, and that his ghost is again evident. The theory is that if he can be restorialized and reasonated that Margo has forgiven him and to indeed 'on the The reason for a completely invested character is, of course, that there can

(in the Spiritualistic sense of the word---or in other words it would proce, to the group's agisfaction of any rate, that it mrome from their collective rounds. It median -- the whole theory rested on the assureritor that if anything rested to minds a picture of him that tellined with all their individual ideas of him as a person. In fact, an actual picture was drawn, which all agreed to. The vegue of the story. Dakkington Hall, in a real place in Warwickshire. England, and was at the time known to see of the group. Subsequently two other purphers of the group visited it during a visit to England, and brought back rectures of the bouse. Derothen's home, the stables and surrounding countryside. Any history of the house to unknown to the group, but there is no evidence whatever that age such people as were detailed in the story existed, nor did the group believe this in any way. The group also of this stage funditurized themselves with the oustone. and ideas of the times as far as possible.

The first phase: meditation methods. The sittings started with a group attting to a circle round a table, and meditating in citeson, initially for periods of ten minutes, inter increming the time of meditation up to half as hour. Sometimes they sat in a circle, without a table, in meditation, and the verse would not necessarily be constant, the group meeting in various horses. After the ported of modifiation the group would discuss their experiences and feelings during meditation, and also flacuus the stary and personality of Philip.

During this initial ported difficulty was experienced by some members of the group is realisting that Philip was a group entity. Individual impressions of Philip obtained during meditation were related which made it clear that the group

At this stage also, an observer was stationed outside the group to witness any usuated phonomenon that might occur. This observer, who is an "worse viewer", frequently described savas around the houds of the participants, and also energy fields passing from one member to mother, and around different room or arrand the neutre of the table, although the streenghere was quite clear. Services was not offered until after the period of meditation.

The events continued to most in this way weekly for a whole year, and during this mortial the mombers had come to relate to each other entremely well; they were completely relaxed in each other's company, and a strong bord of affection and friendship was becoming avident.

The record phase; a change of approach. In the summer of 1973 work which had been done in England during the previous ten years cause to the attention of the group. This work had been started in 1904 and continued with intermissions However those complete who had read of it previously had not realized its reletransa to their current emertranet. Butchelder, and later Revokes-Smith and his assertates were specifically interested in producing physical effects, such as rable fertiation and runs, but our Toronto group wondered if a similar approach which also work in the greation of Philip. In any case it was felt at that time that a different approach was needed, as the effects produced had so far been

Tutchelder and Receives-Smith and Hunt recommended an approach to physical phonomen some closely approximating the old type of seasons as performed during the Victorian era. Instead of quiet concentrated meditation, an almosphere of julity and relaxation should be orested, together with the strates of mands. In their papers they gave a completely reasoned philosophy as to why this method worked. Our Turonto group decided that, up we had worked for a recommended method. Consequently at a recoting in late Assust 1975 at the been of one of the mombers the group tried this new method. They found it a acceptomed to, and were a little inhibited in producing an atmosphere of singing and token. Apart from a feeling of "vibration" in the table at times nothing

But at the following mention, and on subsequent evenings, using this method, very extraordinary things happened indeed. The first accordance was the Yesting" of rape in the table. At this stage "Yesling" is the right word because these your many definitely felt rother than board at this initial stuge, and also become the errors was making a degree of noise at the time, and would not accommative be able to hear the ruce if they were medicle. It should be stated that these accusions were conducted in a fair degree of high. During the first two or three there was a light in the corner of the room, and cometimes also a lighted candle on the table. Later the group worked in a rosy light which made it perfectly possible to observe clearly everything happening. At no time she the Toyonto group work

The year's haliding up of rapport new paid off. After the initial heatistics the group found no difficulty in relaxing, stegling jully or nextimental scogs. telling jokes, and generally creating the kind of stanosphere recommended by Bandudrice and Brooken-Smith. When the group sant particular scope, especialby some associated with the negled that Philip lived in, the table became to camend by anythreng runs which became londer and more obvious as time week on, The group adopted the procedure of addressing the table as "Philip" and for renionce this mode of reference will continue to be used in this urticle.

"Failip" Minord adopted the procedure of our ray to Fur and two for My, will be added a finely added a finely on the tax server on added, or the appearing supervision of the approximate and the appearing the same of the approximate and the appearing the same of the appearing the appearing the appearing the same of the appearing the same of the appearing the appear

the layerone of the stery! This the group found most interesting and measured a It should be stated that the initial sessions were held in the home of one of the members. As ordinary plastic-topped metal-legged card table was used. After room was not notife for the mustices. A similar oard table was uned---- in second fact respect tobles were convertenanted with, all with a similar rough. The floor was thinkly carpeted, and in ordinary corporationous it was many difficult to more the table by pushing on this floor. Needless to say the rape could not be produced to conserve to feet typping the floor. The rups became busine and some clearly and the during gated promests during the sussions. They moved about the rabbe often appearing to come frees within or underseath the table. They were consider andfile and prolific if the group were all standing up around the table, with all hands in view. Sugar-tips lightly reeting on top of the table. Later it was found that it did not matter if everyone was not resting bands on the table, and various combinations of members of the group were able to produce the phenomera alone --- the last occasion being when only four mumbers of the group were able to be the complete strancer.

After even fine weaks of shillings when you were produced, one gight, natherly the tables stated to seven, self in terms demonstrated mount for note in guiden finishing. The sittens were forced to wrate their orders and blove in. It would note even for the content of the product of the state of the stat

whete their connectivity at these has situation because upon biliterius. "Bully was allowing references. Here and efficiency, and he supported previousce for necession of the group, legislate with an agriculto for mischance of the group, legislate with an agriculto for mischance and produce—has been also adjusted, and the has his concern having and goods, "Bully "and a very distribute and obvious miscages to growest have grating the looker, and the second state of the second miscage to growest have grating the looker, and the second state of the second miscage to growest have grating the looker, and the second state of the second state of

and the group had been trying to persuade "Philip" to lift the table, as in the Brookes-Smith opportments. This had been neurocaustal, and to date they had been no real and obvious levitation. One of the members said "Well. Philip. if you are not lost and tired we are: we would like a rest. Why don't you just flip right over, and then we'll all have a glass of lessonade and a rest". Whereven curious little "flir" and landed completely speids down with all four legs in the

The orean righted the table and introduced the statter. R. The table represented with a slight tan. "That's not load enough", said one of the group, "You can do better than that". Whereupon a very load not taked was heard from the senter of the table. R. was allowed to join the group, and when he spoke to "Philip" very load runs were heard immediately under his hand in reply. Later A. R. G. O. came into the room, and again the table protected raps to greeting, and in reply many people not connected with the initial group is any way, and somewhat scep-

However to sum up this tuper, some discussion is clearly relevant. Tirst

philosophy of reasoning that if everyone is the group believes that supprhise will

happen, then it does indeed happen. Support having wints presented. One does have to helicon irredictive that the phraometa can happen, and will happen, and not be surprised when comothing situation by adopting. In the way of a working hypothesia, as it were, a whole hearted acceptance of the these means at their face value, regardless of how much Tallot, of course, qualifies this plytee with the almost ton. 'While thus getting

PBT-002 SEANCE PHENOMENA

to use the force than manifested (which was gestler than they but with their table) in order to have better controlled experiments. Brooker-beath says that the group calibrated psychological "locter", and that each poince appears to be seemany for this type of experiment.

The Toronto strong froat that if they became too intense in their questioning.

or too concentrated, the rags became feelber, and more extraite. Also it would search that, speaking nestaplactically, just an one can extend a positive "bragglistern" one can year an easily dispet it. (This is management to what is each by Solar, though he conceives all in though larme or presiden-plots is having an object time though transition reality, whereas we are using the toyen exceedy as a flagre of smeeth. Due group on use contents demonstrated the unstable source of smeeth. In the group on use contents demonstrated the unstable source of

of speech. Dor group on one occasion demonstrated the unstable source of Bullio. Assure to quasifism sower semewhat excepts, and the phenomena were slow in centing on this evening. Philip would not respond to commands, and one secules of the group soil. Well, Philip, if you would co-operate, we can send you sway you know! an absorption that evening the phenomena almost disappeared completely, and it was measured to retainore the group's belief it.

appeared completely, and it was necessary to relative the group's belief in Philip and the phononena for the rupe and movements to return. The Terents group has not been working as long as the Scotion-Verilit group and, as stated, it was specifically laid down that so member had claim to psychi-

and, as stated. It was specifically laid down that no member had claim to psychic prover as ability, and to this groups has not reproduced all the phonoments that the normal properties of the properties of the properties of the properties of the strikingly resemble those that the two English groups report, so that set is also to any with containty that how it, is in face, a repeatuble puraporchologies algoriment—variablely as it may never. In a later publication, point of strikingly will addressed a properties of the report of the properties of strikingly will scale regard a group at specific or as regions in this opinion relation to the con-

cases stand a group of people on or reside a through-directed force which can be expressed in a physical way—i.e., produce noise, or more objects. I think we have proved this can be done by any random group of people, provided they can condition themselves psychologically to produce this office.

The Torrecting group has much more to do is the way of experimentation, and

many of the English experiments about the repeated. Many variations of the experiment could also be done, and would prove very interesting. We are indebted treesendinally to Englisher and the Brooken-Parith and Hast

pring on the first and belief that we could repose their work, and an produce the repostable paramychological concernent, with many implications both for paychology and psycholog crearch, especially payabolizeds.

be foregoing report underscorne the possibility that many actentific observations

apparent objective reality of Philip is an incredible phenomenon—one that must be theroughly checked out by other outpertransfers.

SSWAGE DOCAM MURDERS Assoyment: Engricopaella of Aberratices, A Psychiatric Handbook, Padolsky, E. et . Philosophical Ultrary, New York, 1983.

A farmus French detective. Robert Leden, used 35, was helistering at the Prench seaport of Le Harro. He had just recovered from a persona breakdown the result of montal strain suffered in solving a case. One morning, while were entrustly dame, and wordered about it. Later in the morning his superior

have found shot on the heach of Satet Addenson. As it may cally a shoot distance from where the detective was vacationing, he arresd to help the halffed local relice. His.
The countered man proved to be Andry Monet in Partition amolf businessman.

on a malest variation. Moved was not wouldby, had low friends, no courses, and you is effect a harmless polocky. His clothes, nearly offed on the sand by his body, had not been rifled. It was apparently another of these halfling motiveless

Target a name comman makes. From Ladon's care one sees a Loney For, a very contrain mane, when better the gas was a coper.

They later an Leden executed the of the fortunists with a manufactor share he turned rule on death. A ton was missing from the stockinged feetprint

No.

Before the estember relies betweeneds as incorrection of his testess test.

in the wat more beside the reconsery's crists. With the rearrithing class he corepared the two. Obtaining the lethal bullet from the local police. Ledru hurried back to his betal. Bred a maffled shot from his own our into the oillow, and

examined the process on the two bullets. "I have the killer and the evidence but I get the mettre. In was a war account.

Andre Monet." The detective laid the ballets and photos of the two footprints on

PRW.002 SLEEP WALKING

(DOUBLE PERSONALITY OF THE AMBULATORY TYPE) James, Prof.: Society for Povchical Senourch, Journal, 5:5, 1891.

Professor James then gare an account of a case of "double personality of the ambulatory type," the subject of which, Assel Bourne, was, at the time of his Arizone (January Ob. 1887), as thingroup propeller. 61 years old, residing to of two receibs, at the end of which time he "woke up" at Norvietore. Pennsylvanta, where for the previous six weeks he had been knowing a small variety store, under the name of A. J. Brown, appearing to his neighbours and custousere as a sermal persea, but being, as it would seem, in a semanthylistic concition all the while. Professor James gave a sketch of Mr. Bourne's life, which presented at loast one other insidest of great interest, and west as to describe in detail how he had conceived that Mr. Bourne, if hypnotized, might give a full secoust had over been forthwester. Mr. France, in his normal state, manifesterof nothing whatever between the time of his disappearance from Shode Island and his "waking up" in Norristown, sicht weeks afterwerts. The results burtfied the expectation of Professor James. Mr. Bourne was hypertised remotests by Professor James and Mr. Hadgeon, and gave an account of his detres during his might weeks' absence, and verification has been obtained of some of the texts

Is the investio trace be called himself A. J. Brown, and recollected nothing later than going to sleep in the store at Norristony,

Ellpercht, Herman V.; Noted Witnessee for Payebe Occuprences, W. F. Prizes, ed.,

These are included, not become they are presumed to be supernormal includents but because they exist could be decored such, and illustrate the very rest care which must be exercised before one takes his stand upon a combation of experiences above that some persons, once they have performed conscious mental labor on some intricate problem, are able to cover on the ratiocinative process after they are asless. Prohably in varying degrees this and to take aution, while with the materials who to little to the most of head details Since it is previously that most "experimental" mental events first pass

also easily interfero with it by its own normal activity. Hence it is expected that, although automatic writing or engaging may announce facts in such ramber and complexity as dely any afterest to normally asplain them, since the psychic's subthe core information, they arrow a triviager present, descripe which is, then to make

The instances substitute were freelabed by the Worman V. Hillerooks. Desfenses William Remains Nyebold in the Proposition S. P. H., Vol. 311, pp. 13-20. I

During the states of 1989-1883, he was working with Professor Principles Delitaech, and preparing to publish the original test, its transliteration and its translation, of a stone of Nebuchudannar. He bud annested Prof. Delituarb's "Nebo protect ms mater" pad" prortur-bearth, t.e., "no week as a battler, " One wide often provided late it to not wait that he was some and or the continue. steep, with the thought in his rated that the name should be translated "Nebe pro-test my houseless." He hat disn't remembered diversing of being at work at his table. As he haves to reflect, "of once" (illustration how the bright thoughts which makkeds amores full-grown to our consciousnesses may have been surface cet in the enbecessional he saw that kndarry could be derived from kndary, to contract. "Shortly allumpards he subdished this translation in his dissociation. and it has stone been interestable adopted. * The narrow process to be come

and it was stone need tenversally anopage. The second course One Streeter evering, about the reidfle of March, 1899, I had been swarving Receipted two small traggiants of again waters were supposed to nesting to the

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Signar with which authing could be done, that in this case furthermore I had never had the originals before me, but only a basis sketch made by one of the carmbons of the expedition sent by the University of Peansylvania to Relydonia. I could not say more than that the fragments, taking into consideration the place is which they were found and the peculiar characteristics of the quantition characters presurved upon them, sprang from the Cassite ported of Babylonian Hatery terror fragment seemed to be KU, I asserbed this fragment, with an interrogation point, to King Sericular, while I placed the other fromment, as unclassifiable with other Cassite fragments upon a page of my book where I sublished the confussion fiable fragments. The proofs strends by before me, but I was far from satisfied The whole problem passed yet senis through my mind that March evening before I placed my mark of approval under the last correction in the book. Even then I had come to no conclusion. About midnight, weary and enhanced. I went to had and come to no college man, and a strength, weary me extended, a wan and and was seen in deep steep. Then I dreamed the following remarkable from a A tall, thin priest of the old pre-Christian Nippur, about farty years of age and clad in a simple obia. Led me to the treasure-chamber of the temple, on the southeast side. He west with me into a small, low-neiled room, without wisdowy, in which there was a large wooden obest, while proves of more and landa-lands by scattered on the floor. Here he addressed me as follows: "The ten frommeets which you have published separately upon pages 22 and 26. before tonother, are not flagge-rings, and their history is as follows: Kies Korberles (circa 2000 H.C.) case sent to the temple of Bel. among other articles of sents ard laris-land), an issoribed vetire cylinder of again. Then we printe end andreceived the command to make for the status of the god Ninib a unit of corvince of again. We were in great disrest, whose there was no again as your or currenge of again. hand. In order to execute the command there was nothing for us to do but our the suffice collecter into three parts, thus making three rings, each of which contained a portion of the original inscription. The first two rings served as ourrings for the statue of the god; the two fragments which have given you so much trouble are portions of them. If you will put the two together you will have recfirmation of my words. But the third ring you have not yet found in the course of your encavations, and you never will find it." With this, the priest disappeared. anoles at once and immediately told my wife the dream that I might not dougst it. Next recruise---- Sunday---- I examined the fragments once mere in the light of these disclosures, and to my asteedshment found all the details of the drawn area. cisely verified in so far as the means of verification were in my hands. The original inscription on the votice sylinder read: "To the god Ninh, non of Ret. his lord, bus Karigaliu, postifies of Rel, presented thus, The problem was thus at last solved. I staid in the preface that I had unformulately discovered too late that the two fragments belonged together, made

Professor Risperchi Bushly verified the principal lates executed in the forcurs relative to the citys and interrigine, on he may, the next day, the immediately fellowing and interrigine, on he may, the next day, the immediately fellowing the dream has west to his shely and previously verified it by severe to the very lates of the control of the cont

DREAM PHENOMENA PRZ.00

WHAT COLUMN PROPERTY IS AND ADOLD TO COMMITTE

PROGRAMM CHEARANCE Nomeron E. A., and Evites C. R. i Nature, 206-554, May L. 1945.

Secret appointments have fed to a proposed interest to the part importanting problem of drowns. With perhaps the single exception of the sessibution of particible americantal evidence and have never been sufficiently rigorous or applical to alleget sectors scientific interest. The work of Dersent, however, demonstrates what appears to be a convincing behavioural recurses of demons. periods and, though criticized on several counts, has had an undoubted effect that the dream process might be likeced in function to the systematic programme the primary fasation of sleep is probably to allow such a clearing process to get under may without interference from external information. 'dreums' occur when the level of recordousness shifts for one reason or seether and the clearing procase is interrupted. Protogget deprivation of the opportunity to dream would izanitably produce a breakdown to human efficiency, reset probably in the region where pered citizations must be handled. More recently yet, Eden et al. have other price terrations and to agree the following party for the state of the state descripts subjects of the espectation to down for a surpley of stable. Her did not notice and startificant detectoration to their merformance in contain problem matrix investigations. In substance they agree that divers-provedice leads to changed on the result of the description. However, the apparent florregamy between the receits of Kalen and those of Demant in not, we believe, serious

the present showmand adoptionalizes of the free-conferences are well-statement. For the present showmand is a constitute of the free-conference and the present shows and the statement of the order of the present shows and the statement of the s

psychic effects. The second petal which seeds to be considered has, we letter, not been reused in any of the previous work. The view stated have, hand in the second reused in any of the previous work. The view stated have, hand in the second reused in the previous stated in the conditional has an conditional his considerable when they expected by the best that polypets seekness devices seek previous of a distilly prevent that they may be a second reuse that the properties of a second reuse that the provious seekness devices are one present, for to of creates a reuse present that they are prevented as any order present, for to of creates a reuse present.

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expected used that a condition. We assigned, harvers, this the resident of the conditions of the condi

energies, surrounds, has soleted the recommender of the described in comments and comments and comments are comments and the properties are soleted in comments and the properties are comments of the comment

The irrelications for the treatment of psychiatric disorders could be appreciable, long the demolst flexists experiences in six-up brargey some in ora against the point. The nature of their induction is probably think in well been that increased the probably desired to the probably desired to probably on the point of the probably of the probably or sized to their ordering ago, properties observed to specify most effectively in critical. Too deep a sleep that is, habiturate takened now included exempting probably one will be about the probably and produces the familiar agraphics of creations, repetitive sourcing or trivia-

SECTION PH: HIDDEN KNOWLEDGE Tolegaths, precognition, and deneting are connectioned of purposerbology. Knowledge Molecularisation, residing in the lexits of models, or broaded estate-bory in the

James againgt secondary in the treats of none sections to extend them, the frequence scheme to the centers of section when the centers of section of the centers of the cen

The subject of corying or crystal vision has been placed in the PL rection dullar tion) because most cause of crystal gazing seem to be true ballarisations; that I they are subjective constraints rather than visions of hidden knowledge.

FED Diversing, including factor-optical perception and object resulting

PRP Proceptition, prophocy

*This subsection not included in Vol. Pl.

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PHD 601 THREE LESSONS IN RHARDOMANCY

Variet transcript a rather assisting as well as historical overview of downies, which though generally negative in tone provides some jurisht to the character and rectives

To those who have not open the divining rad in working order, we would aur that a forked branch of witch-bazel or of peach to selected always is the shape

the foreflower, the stem where the branches units being held horizontally. Then the diviner, with the elbow best and the forearm at stable made, walks over the

Ohio, at the time of the excitement over gas wells. Carloss to relate, there appeared any marker of philanthropic individuals who offered to locate a good carine may or oil well for a small consideration. With them it was a case of

heads I win, talls you lose. If they struck oil or gas, they got a handsome fee; if they failed, they lost nothing but their time. One reas in meritralar bud been more safel in one instance, and that was

country. Our conveyagos streeted in front of a ten-acre lot, under which, accord-

ing to the redeman, gas flowed in an immense volume. We all stood ellently around while the expert was getting his apparatus ready for the experiment. He used what I took to be two metal wireo ceering topother into a fork or shank, on which was placed a covered cap. The costents of this cap was of course a deep secret. Heldiss his two elbows at right angles, he began to walk over the ground with military step. He assumed an expression best denoted by the word "intense." He started off to a trance-like state, and his assessed audience followed on and on behind. Suddenly the codeman seemed to be in a fit. He finally recovered his compounts and his breath to nati. "Here is the sort. If you dir down here, you party stepped forward and said. "Let me try it. I should like to see whether the red will staggle in my hard." But the red remained straight and moticeless.

2. Mr second lesson was extremely interesting and instruction. Some free years are I can across a curious specimes of the Dick Dousterswivel order in water, but at this time be was engaged in locating gas and oil wells. I made him acquaintance, and sees perpended him to show me some of the secrets of him craft. He was not nurticularly according or modest in talking short himself and his deings. He certainly had a food belief in his autmordinary power to locate water, off, and may voice by the gid of the rod. His reporteine included a large

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anaments of bould sitche. Some were strain green true unique others were of site or neather tollowers, again, were resented it is large.

I must the reclaims by appointment one Study alternoon, and together we onperimented with the different vastals. I further data and all of them, but is no simple instance was I successful in having any revising, or towering or signs indicating makes, gas, or not londer the neutrino. However, on the habit, was one of the role

mater, gas, or oil ander the rectine. However, is his hands, any one of the role social texts and turn in a most remarkable masser. Two or three times I spintly marked the stack spec which he had indicated. After leading him off to other places, and then back again to spots already marked, I discovered that he located entirely are places.

estimately new places.

I rather this that I was the coefficient of the reddemen by professing deep intervent in his ranginal performance. I sole on many beneats in modern rhab-demancy that he course in organize fire as a context to fine set. After a with, he suggressed the belief that I would note he able to work the ring as well as any one. Oursally I have not not been able to be and the ring as well as any one. Oursally I have done there are not the set of the red o

The state of the s

divisor night be maltifiled:

3. My third besses in rhabiterancy was about a year ago. Last December there appeared in the "New York Times" an account of the weederful discoveries

When the state of the state of

to the Greeks, from whom we get our word "rhabdomancy." M. Lenormant, in to the Greens, from whom we get our word "readomanty." M. Lenormant, in that divination by wards was known and practised in Babylee, and "that this was

made his own fortune. Is proof of their excellence he also published the certificutes of several room of acteure." How recovers some men are, after they have

Coming down to recent times. Prof. R. W. Haymond, a mixing engineer. gives associal ignizances of encountering, in Western mining rection, merites of

cupitalists accompanied by experts whose besisess it was to discover raises by

the use of the distring red. Indeed, we do not think that the following statement of a writer in "Warper's Magazine" is any too broad: "Almost overy county and

as the discovery of hidden well-springs is concerned, and our mining districts

communication with subtercoress stores of wealth, and stand ready to betrue

The real question is. Why is any stick or stone magical? Briefly stated, It is one of the recognized principles in magic that any real or functed resemblance of a stick or plane to any portion of the human body, any analogy based

on color, to enough to give such things a reputation for magical virtues. In Scotland, stones were called by the name of the parts they resembled, as "eve-

state, " "bood-state;" they possessed, of course, certain myetic properties. The whole "Doctrine of Signatures," in old medical practice, was based on this

kied of magical reasoning. Thus, the exphrasis, or eye-bright, was supposed its roots resembled the bureau hade. Now, the divinter and is form rearmilled

the letter Y, and amount the form and rareher of livels of the human body. In this association of ideas lies. I think, the explanation of some of the marical

properties attributed to forked sticks. With regard to rhabdomancy, to all the strange uses of the divining red, what is the method of folk-lore? The student of folk-lore will compare the uses

and practices of civilized people with similar uses and practices among the sacivilized. He fails, however, to find anothing exactly similar to modern rhab-

demands arming people in a low stage of culture. He does find marie wards, but he does not find the "sporking the rate" as no moderns have come to see it.

The last leaves we would attempt to eather from the divising red in this-Once let a superstitions practice start. there is no telling how or when or whose

DUD 000 DOMESTIC EVECUTEMENTS

Foolker, H. A.; Satare, 229:165-168, January 15, 1971. Ristorically the practice of downton over back your centuries. The recet secient reference is a Chinese engraving of AD 567 showing the Emperor Ya holding a forced divising rod. In the statement century divining rods were used

by miners searching for metal ores although this practice was condemned by Lether. By the seventoonth century various theories to explain the phenomena

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In the propert receiver the subject has reneived some publicity and there are pressland recently trials were featured in a television programme (Margins of

the Mind on Granada TV, in May 1966. Many people claim the skillty to locate water, metals, stoneware, archaeological remains and other buried objects by downing. Some go so far as to claim the location of these objects by downing over a man of the area without the necessity of going over the around. Three types of apparatus are commonly used: (I) forlied rods: (I) a pair of L shaped rods, and (I) a pendalum or plants line. When one considers there

three methods and the wide variety of objects which it is obtained can be found by descript it by clear that to discover a satisfactory acceptific or physiological explanation to a forwidelike task. Some writers claim that the subject is not

encewible to extentific analysis but belongs to the reals; of art, appreciation Before neeking confugations, it is necessary to rebelantiate the claims. For this pursons, a series of trials were devised at the Milliary Engineering Experi-

mental Establishment (MEXE) in a controlled series of experiments. These congred map downing and in alto downing for buried mines. Later tests were carried out for water divising by the Royal School of Military Engineering (USME).

May Downing. An accurate survey was made of one of MEXE's outstations and a man at a scale of 1/2 500 was revenered. The area covered 350 occurs and reasonable to suppose he should know what he was looking for. He was told that

an unesecified number of these minor were buried only in the reads and tracks and that now of his marks would be assumed to cover the full width of the read and a strip 10 feet wide. This corresponds to an error of about £ 0.005 inches Personage A saled for time and reaction. His first attends more taumbe-

should be treltented. This was done and a marked parties on the map. 2, 452 feet long containing free raines, was releated. His regults more eight mines in this stretch with the nearest mark 20 feet from a mine. In spite of these discouraging condits he suggested a more limited trial. A plan of a figure of eight track at a scale of 1/460 was sent to him with a short stretch 200 feet look indicated. is which was buried a row of five mines. This map was used by experimenter

220 JOSE 64	sars, with the result is	rows as a time 1-	
		able 1 Figure of Eight Track	
	Experimenter	Distance mark to mine (fast)	
	A	349	

A mark without could not have been more than 166 fact focus are accepted. Experimenter \underline{F} was given the original map in the name conditions. He asked for a saratic of the teast rates fifting count and eticks which be was given. We He then suggested that the filling was too streller to the suggested and and asked to try with something radically different. He therefore sent a bottle of

homeorathic medicine and this was baried in one of the roads. He failed to Experimenter G was also given the map and the same conditions, but was told that there were fewer than fifty raises. His result gave fifty-three mines

and the nearest was 40 feet from an actual raine. staff at MEXE. Tiffy members were saled to make the number and locations

of reines in the 2, 456 feet strutch of road. Elebians remaind the correct persons and one of these was within I feet of a mire. It is easy to show that none of the results are better than more chance. Takelog A's first results, his nearest mark in within 90 feet of a mine. The whole 6.7 miles can be thought of as units 160 feet long, that is mine \$ 80 feet. There

are therefore 221 such units and with tweety raises and tweety-server marks on the downers' map one would expect 20 x 27/221 or about 2, 5 answers within 50 feet. Only one was achieved, a below chance result due to the grouping of his marks in a few areas. Similar calculations for other dewsers give similar remite To sum up on map downing, the results from all the trials are really failures and there to an explanace that this is a constitual method for location releas. Most

experimenters plain that their marks are either "treet on" or else fatheres. New of the conscription achieved better results than the sussaint energies. It must he said that because only seems downers have been tested, the results are too few to disperse the claims. In Site Downing. In this test several mines were buried in a grid nation and

experimenters were asked to downe over the places where mines were buried and over others where they were not. Using a tests it is possible to determine It became clear that the test could also be used to widen the inquiry and detecwine the drawary' shilling to distinguish between different types of horized objects. Pive classes were established: M. metallic mine; P. plastic mine; C. concrete block; W. wooden block; B. blank or nothing. The concrete and wooden blocks were the same size and shape on the metallic retres

Next a decision was made on the massing and numbers of these objects. It was felt that 20 foot pentres would be far enough spart to evadicate the "influence" of one obtact on another and all the downers agreed with this condition. The number of objects determines the significance level and power function of the experiment. Recurse the number of downers was not expected to be large a significance level of 25 was choses. This means that there is a 15 charge of falsely detecting an association. The power function considers the different argaines of the results and the smallest association, say, between metal and plastic mines, must have enough figures in it for detectable differences. On this busts the total eacaple size was fixed at 400, that is, five groups of eighty of each

ferring in a rundres nations as shown in Fig. 1. Holes were due at the centres. of every appare and different exact of men barted each class of about to that no one could know the localities of all 600. None of these men took any subse-

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quest part in the trials now were they present on the site during trails. The only master foculate plus was localed in a safe throughout the experiment. Begonese score cards were provided for all downers, who were not shift of the wooden and control object to the wrea shows the risas. They were asked to downer in front of small wooden pegs earrying the equare identity and to record minus. Inside the ending, britten of the top temperature of the property of the property of the property of the product of the product of the property of the product of th

uniny 1 Mark

Fig. 1 Random number table for miner.

and part or were anywhere mear the site. The member of such class of object was fixed at feety such in the natural and in the raised ground, which gives a response table for each fewere. A typical set of responses is shown in Table 2.





Fig. 5 Hazard and effort, natural around



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Tw	entry two to	and a wall	nteered	te try !	bels to	mare.	Naurboull no	re I
		40	40	49	4.0	40	200	
	2	11	7	- 5	2	- 7	60	
	P	21	26	24	2.2	26	119	

Tensity-two people velasteered to try their powers. Searly all were limity conviced they could do it. One person, at his own request, asked to repent the trial because he felt outspectively; that he had not done very well at his first try. One other was asked to repent the trial because his score eard had arthiguous.

One other was asked to repeat the trial because his score eard had ambiguous markings.

Two of the methods used are shown in Figs. 2 and 3. Descring rods were of many varieties isolading wood or rejon and each downer was free to use whitever

rathed he chose. One downer used a planto bob.

The responses can be analyted in a great many ways. For the purpose of these trials they were grouped as follows: as total response in a 2 by 3 by 5 and to the purpose of these trials they were grouped as follows: as total response in a 2 by 3 by 5 and to the purpose of th

table for raded and national ground, the response mine versus not zeros, that is (M+P) weenss (0-4P) at 2 cables, (or response subject versus blank, that is $(M+P) \sim G+M$ versus $M \leq 2 \leq 2$ subde, (if response raise versus M have $(M+P) \leq 2 \leq M$ for m > 0, m > 0 and if for each copertinations $(0) \leq m^2$ for m > 0, m > 0 and if for each copertinations $(M) \leq m^2$. While this capacity has being readle if was deep that the simula mathematical

treatment did not reveal the whole truth. Thus is a simple I x I table, for occaseple (M+P) various (B+C+W), there is one degree of freedom. Thus if we assume r 'yee' responses we have Table 3.

Responses after Mathematical Treatment

Sesponse (M + P) (B + C + W) Yes 50 -h h + C - FF No h 200 - rh 60 120

Only one factor figure, b. is needed to complete the table. The 2th test does not distinguish between a ped and a bergat. Thus if it is nearest that relation quantable average and be 20 or 00, then 2th 3.1 such time. The second contained average and be 20 or 00, then 2th 3.1 such time. The second makes on of eight, whereas is the first result be inseed data. Thus the 2th test do not distinguish between good and all observed and a reservoir this detected on the distinguish between good and the observation are reservoir that the first the containing the containing the containing the containing the containing the first containing the co

effect is digiding up every square. The downer who responds "yes" at all the B-C-W places would nother sould inflare has with far been either. There are thus two supports to consider—weither and instant. Effect is the number of squares to be degree, that is, the number of "yes" exposures, and believe in the number of the state of the state of the state of the state of the distinct of the state of the All the odds \$1.0 in occupies success; all 500, \$1 in maximum effect and all the state of the state o

mines found; at 129, 30 to complete failure and no mines are found; at 0, 30 is neere effort and no mines are found. The results all lie within the parallele given and pure chance results lie on the diagonal line as shown. About this diagonal

line tradability notate can be calculated such that the probability of a score reads being beyond the point is (1 - confidence level). Curves for \$1. 15 and 0. 15. are shown. The further the source marks are from the discord the better to the performance of the downer, and of course the marks must be tending towards

,			Table 4			
	Min	on Missed	(Barard), E	lotes Dug (III:e0	
	Enked		Natural		Total	
Experi-	Mines	Moles	Misss	Hales	Mines	Hotes
menter	missed	dag	raissed	dag	rainted	dug
	00		00		44	019
1			33	124		
	22	134		199	26	296
	75	2.9		22	142	42
				1.02		
	33	286		51		155
	59			63		117
	42	30		63	110	112
				111	77	190
				174	13	222
	12					266
11	36					112
12	23	121				
13	27	110		100	61	881
	21	1.95	42	102		234
11.			12	1.0		
	46					
	99					
	97	100				
12	24	141	21	144	45	255
23	52	64	11			
21.*			ST	BT		

Note that is there expended are not plotted in Figs. 3 and 4

on raked ground whose rough was significant at the 1% level. This was, however, only achieved with a very high effort in digging reasy holes not containing mines. The results reveal a detectable difference between downing over raked and natural ground, which connects that eteral evidence in the robust ground below the downer. The effect of a few telltale signs would be to obide the diagonal line of Fig. 4 to the last become board and offers one both entered in the condens of and offers had to secure has return testand of testan core related notate it seems without had to search for mines instead or crying or that they would have been more married.

Water Downing. In the search for water, descring in more familiar than in water for metals or archaeological curvaine. Is associal demonstration to find meeting water----springs, pipes and so on----rather than static pools of under-

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of an appartment degree. A 2 test pointhese size carried the water under a

trials, the stopcock being on or off is a prearranged random sequence. He used verdict. Two sequences were carried out giving fifty results. The water was of fifty cases. This is estimate reactabled with change importing and shows no

configures of better able to detect flowing water.

Further tests were carried out by RIME at Chatham. An experienced downer undertook to train innior officers and kake their ability an downers. He took end of a forked rod and the downer held the other. Stadents were then asked to downs over what was alleged to be a second flow. Many officers were tested and 20% were sugged to be highly secution. These tests were later found to be

toyalid because a buring at the first trial site found to water at all-In an additional test, the 25 per cent of sensitive efficers were asked to locate down. Forty-arres per cent were said to have "high" sensitivity and 26 per cent to have "mil" sensitivity and this cast doubts on their taitful high grading. Finally, the four most successful students were asked to down over an area

150 feet square containing several 6 inch water pipes, with flowing water about 4 feet down. The position was known but could not be seen on the ground. Eighty markers were put down at least 10 fact apart; sixtoon of them were over pipes in was over a pipe. An analysis of the results showed no significant difference for change angest for one statest who differed by 5 per cent which might be stirftuted to on shilling to down. The nample sign in, however, rather small to derive The result of all these trials was frauldy disappointing, the stadents were in-

completes and the indepent of the experienced downer proved to be facily. There Theories of Dewring. Boyard claims that develors are consitive to variations. to the Narth's rearrante field? In most places the field is accepbly constant and

buried electrodes, and associates these with electrical currents and hence murnotic fields. These are in turn related to the flows of water through cross! dilecand neepages into wells when pumping water. By fitting small, light permanent magnets to the crosics of the efform he found that his downers lost their ability. He therefore reachates that the owner of sensitivity is in the elbow and not in the Very few scientific tests are described and then only in relation to actificial

twoon 0. 3 and 10. 5 magness at the body of the downer as he walked past. A proliminary "weigh is" was allowed in which the downer was told whether the current was on or off. In a series of five attempts after this 100% success was achieved. When the preliminary "weigh it" was evalted the result was pure

DOWSING	PH

Table 5 Test for Magnetic Effects						
Test	Exeposes	Current on	Ourrest off	Total		
(0.0)	743					
	no	_5	. 8	11 x2 v 1.1		
04	346					
	840			25 x2 + 0.1		
(K)						

This theory was tested at MEXE. The colds were set up and a experienced denser attempted to any whether the exercise was one off. The Brist stress was 0.7 aNo. 1 in Front Ber james 0 the cold. Where their resets the enter the resets of the experience of the property of the experience of the experien

netic effects.

During the MEXE trials it was suggested that the cause of the downers' signal was an afteralist in the electrical properties of the skin, and an instrument was

products in which the fifteeness could be ensemble. The externed of two significant with the fifteeness could be ensemble. The externed could be extended by the extended by t

3. While it developed the model in execution of the based produces were large. It is considered that the model is the model in the model is the model in the model. It is the model in the position of the model in the model in the position down. This is done in the model in the position down. This is done in the model in the position down. This is done in the model in the model. The model is the model in the model in the model is the model in the model in the model in the model is the model in the model in the model is the model in the model in the model in the model is the model in the model in the model in the model is the model in the model in the model in the model in the model is the model in the model in the model in the model is the model in the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model in the model is the model in the model is the model in the model in the model in the model is the model in the model in the model in the model is the model in the model in

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In both cases, V or L rode, only actromely ellight and imperceptible novements of the hands are required for quite large and sportnershir movements of the dividing rode because of the tettlal structurally available position choices. This is most actionable in the V rode and once they start to more they almost seem to become allow to the basis. I that day the is the explanation for a large part of

to a greatly advisating owners, and the extraction has related used to my his constant disease they owner abroad or dependent. The Globest agreement of constant diseases they owner abroad or dependent on Globest agreement in comparison of the constant diseases the constant of the const

a thereand origin believe is better high, it is still a facilitative, it is The interest district, for the creek of the property of the control of the contr

K. J. (Rivensher, 1987); New York Trans. (October 13, 1987); Trans. (December II., 1987); Bender Kopress, (March 8, 1988); Trans. (March 8, 1988); Englissening News Second (May 2, 1983).
 Forand, Y., Le Shand & Searcher (Danet, Paris).

2 Veigt, E. Z., and Hymne, B., <u>Water Milebing</u> (Delverally of Chicago France.

PHD 602 DERMO-OFTICAL PERCEPTION: A PEEK DOWN THE NOSE

Gardiser, Martin: <u>Relation</u>, 101-684-007, February 11, 1996. (Copyright 1996 by the Association for the Afrancoporal of Sciences

Gardner's classic especs of the frickery employed by sense tell-tribule chaining psychic powers librations why parapoychetogy has made only litelied progress in convincing science-its-general that it deals with objective, valid phenomens. Musilently, ageng of the starting results reported by occentions in this volume may be

Science reporting in United States prompagers and mass-stroubation magatimes in more accurate and from of sensationalism than over before. with negadoscience confined largely to books. A reverse situation holds in the Social Dalon - Emper for the hooks that defended Legendo's theories. Social power. Western provide is rapidly estering the new Baselan biology teatbooks. netence work as our Sunday supplements did in the 1220's. The Soviet citizen has recently been represented with accounts of flat because burk to life offer having been from \$5000 years, of deep-sea monsters that leave gigst tracks across the ocean floor, of abourd purpetual-motion devices, of extraferrestrial acress the ocean moor, or ansure perpensal-montes devices, or enviserresirs accountants who have used a laser beam to blast an envision orgies in Siberia.

He and large, the press is the United States has not taken this senge of Scotet eclosed writing periosaly. But in 1963 and 1964 it gave serious aftenion to a sudden revival, in Russia's nomine press, of spotent claims that certain The accions haven with a capacit, in the supposes of 1960, in the Soundlessek nowspaper Unabley Rabooky. Issue Goldberg, of First City Scopital in Lower Kaleshava, could read oriest algority by carring a fingertip over the lines. Ross present to beyont and other assessment and complex magazines. The first

When I first saw Time's photograph of Goldberg watching Bona, who was birefinited, stide has middle finesy over a payerager man. I broke two a load guifaw. To explain that laugh, I must beek up a bit. For 10 years my reteriod lightly has been magic. I contribute to contribute tournals, write tradition on card maximilation, irrest tricks, and, is brief, are converged with all branches of this curious art of deception, including a branch called 'mentalism." course with Constant visitor? acts. Excepts the montalist first has a convertible from the mafferent seal his cost shot with affective tape. Over each eye is taped corretting course. Buth on a number raff or a silver dellar. Then a large black constitute opaque, such as a powder part or a server dentar. Then a targe time median who comes from Kashmir, in perhaps the best known of today's conertologies who feature much up art. He has both even congred with large stake at dough, then many vards of cloth are wound like a tarban to cover his cotice face from the top of his ferchand to the tip of his older. Yet Koda Bux is able to read books, selve mathematical problems on a blackboard, and describe objects

mantalists who feature evolume vision to should, by trickery, a way of seeing, Many temporary rardbate have been destend, but the object and simplest, eggnutricate firthe understood easest by marketone. In known in the trade on the 'none peak," If the reader will passe at this point and not sceneme to blindfeld hire, he way by surgerised to discover that it to trapestable, without jointy to his eyes, to prepare a blindfield that does not permit a tiny agerture, on each side of the room, through which light can enter each own. By turnion the even Mindfold in so believe it does not it sensely second around the name. Surbles. slight proposers on the tree of the mask, under the pretence of rubbing the freelead, here on the lever edge to presel ours sider peaks. The great Freach and against Robert finels from some finels from the hor meants. In this meants and against Robert finels from some finels from the horizontal from the second finels of the second finels of the second finels for the second finels for the second of the first finels for the second of the second

If the mentalist is obtaining information by a nose pool there are other methods, in worst carefully possible agested with above called the "midd" posture. When the bond of a bisuidated person is in a normal positive, the view down the sense covers ampliting placed on the near ledge of a table at which the posture is selected. But is extend the post further formand it is assuming to the control of the post further formand in it assuments to the control of the control

rate the note slightly, as though one is suffing. Practiced parlaments assist the sail pasture by thing the heat slightly under corner of acons goatney, such as adding in regit to a question, sensitions, the note, and other courses gustrees.

The of the areas secrets of successful kindight work to be obtain a peak in

settings, compared with the administration of the compared with th

shirt, and seekils. As her description moved upward, no did how note. The photograph in [Jing showed Rose, searing a correstional blaidfold. So is regard, one hand on a newspaper, and saiffling. The entire newspaper page is conductably whith the range of a simple near politienty about flows, Rossica women of all Liber 1005 Chimquin. After the publisher about flows on regarding the sector moved my privating was more restantional facts of cycless votice. The

response for the control of the cont

Date were dress of other DOP claimants. The magazine HSSB how Scient Life, solidated here in English, decord for pages to zone of these is the Followay 1564 issue 50. Experiments on Born. When mitted sold, rande it seministicately stream that her improve were receiving to enthance their made not be seministicated to the solidate of the solidate have a retina." Biophysicist Mikhail Seriesov in queted an onytrg. "The fingure light." Account of the woman also appeared in actuality publications. Guidberg controlled a report on his work with lass to Vygorger Visibeleggi in 100 g in Rophysicist N. D. Wesberg work on articles about Boss for <u>Virious</u>, May 1943 (8). Solvers growth that Bouch Singure, part like the heart new, are reactive properties of the properties of the properties of the properties of the institute, she "insceeded in validar has root to the control of the visit of visits." Other demands on Oliva's despite appeared in fevire promise of visits." Other demands on Oliva's despite appeared in fevire promise of visits." Other demands on Oliva's despite appeared in fevire promise of visits." Other demands on Oliva's despite appeared in fevire promise of the controlled of the controlled of the controlled of the controlled of visits." Other demands on Oliva's despite appeared in fevire promise of the controlled of the controlled of the controlled of visits." Other demands on Oliva's despite appeared in fevire promise of the controlled of the controlled of the controlled of visits." Other demands on Oliva's despite appeared in fevire promise of visits."

concepts an operating street with her fingers, the size described pictures in magnitude, or significant breaking, and no precision street, and fill concepts of the size of the read has between code operated that the read has between code is possible girls for effects. Our converted that the read has between code is possible girls for effects of the read has between codes of the read has between codes of the read has been coded in the read of the read has been coded in the read of the read has been coded in the read of the read has been coded in the read of the rea

In the World School, III. (2) does this political a long contribut anticle. The property of the Hall o

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devoted, in 1921, to 1922 houghts, "Not bey with the N-rest seas" 10... Dis Nau hen II and long to Genelinic, Colliners, A level playsities, Colling Spraids, the Colling State of the Colling State of the Colling State of Colling State (the State of Colling Stat

"The root is the claims of epitacs of the two up with Arise the wars report for the claim of the

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were recent investigations. Allowiths taps in crossed over the closed own, the foliated folia

It was Bornalow' book that probably aroused majorism's in the Unifer Makes to doctors not no depotes wishon. Hustan Tarbell, et Chicago, worked not a remainable set of this type which the performed frequently (III. Stanley shall, a proservation of the probability of the Community of the Community of the strategies' is against an updated from and hardward, after proofer positive for the strategies' is against an updated to the community of the community of the comlapse (over his veyes and a Minefield added (III). Each five uses still other bookniques (III). After memoria, manaleses were yethere one equilability on the new was at interest in DOP. It may lifes in a repart on Realth Coppe, a 11-year of Missions level host that it right on in an accident. When his feel reg is "Securely Mindfalded," this entry right was solden ready prior without his reliable and the property of the property

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Most? The most drawn, in no embor, were as poorly franged in feedbased they do not be to be a second or server of the second of the second or sec

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triting, who keep may attacky flow of convenience with the observers, asking for histon to bow his in foring.

Tout preserved to 'find in the January 15% for a succeed road of testing.

Tout preserved to 'find in the January 15% for a succeed road of testing the succeeding th

DOWSING

A third series of tests was made on 20 April for an observing committee of four scientists. Results were again negative. In the warm weather of June,

Youtz casted Mrs. Stanley a fourth time, ever a 3-day period. Again, performance was at chance level. Youtz attributes this last father to Nrs. Stanley's ferences in temperature (20). Although Bussian ignorticators had eliminated this as an explanation of Rosa's powery. You'x believes that his work with him. Starley, and later with less skritted Barnard students, will eventually confirm

this broothesis. He strongly objects to calling the phenomenen "vistor." Name of his subjects has displayed the slightest ability to read with the fingers Ninet in Caught Cheating. In Russia, better-controlled testing of Rosa but strongly indicated note pecking. Several articles have suggested this, notably than by L. Taplov, author of a well-known book on cybernatics, in the 1-7 March 1864 issue of Nedstra, and in the 25 May issue of the Moscow Literature Nixel Halagian, Scen's chief rival, was carefully tested at ti navo Gazeta. Novel Salagina, Scou's chief rival, was carefully tested at the Belizzone Psychocourulogical Scientific Separch Institute in Leningrad. B.

Lebedev, the institute's head, and his associates oursesarite their findings as 'In essence, Kalagina was given the same tasks as before, but under conditions of stricter control and in accordance with a plan prepared beforehand.

possibly peek and exvendrop with experiments whose peeking would be impossible. The woman of course did not know then. As was to be expected, phenomenal ability was shown in the first instance cely. In the second instance border con-Thus the careful checking fully exposed the seasational "miracle." There

In a better to Setence (27), Joseph Babts, a bigroutries researcher at the New York State Department of Mental Hugierse, reported the negative regular secured around the edges with adhesits tape. Provious testing by netweal scientists had shown so ovidence of visual class. It became apparent, however, that the extract teased maseles in the Mindfelded area until "a very tiny, incomplexthe dispet space of the edge. Having an opage disk is front of the chief pre-vented realing, but not immediately. The subject had excellent recursy and anality continued for a sentence or ten after blooking of the realing guaranty. effective, because respely tensing produced new chicker reside coaler to detect by the white electronic. A professional magicias. Table reports, participated

The majority of psychologists, both here and in the fortet Ustes, have rerestreet an improved by the latest revival of interest in DOP. In view of the failures of subjects to descentrate DOP when careful precontions were taken to rule out peeks through minute apertures, and in view of the lack of adequate appears to be strengly justified.

ferences and Sizes.

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PHYSIANA DEBMO OPTICAL PERCEPTION

Youte, Etchard P., et al. Science, 152-1109-1116, May 26, 1966. 1966 by the American Association for the Advancement of Science) 152:1109-1116, May 20, 1966. (Copyright

Strongh "sees-peeks" and ware not reaking the judgments from acceptions to

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state he has sever soon to supervise or vitament on procedure, although his critical converse for apprecised tool to be. The article controlles desired from a state of the st

Bre of reconstantion with the observers, using for hims on how she in deign."

Nor did careful and continuous observation "seem assessment." Also, her
shiftly was observed and continued by Donald DeGraal, chairman of the physical
department of Pint College of the University of Michigan.

installibility of the control of converting on distinguished seems have been also as a control of the control o

the threshold value for a stirrous or generor.

In each of up reports (4, 5) the supplex as a probact or varieties of directination shifty ordered by the subject was a probact or varieties of the subject was a probact of the subject was a probable of the subject was a probable of the subject was a subject with the subject was a subject with the subject was a subject with the subject was a subject was a subject with the subject was a subject was a subject to the dibbercally absorption, reflection, and simulate at featured wavelengths. The subject consists of the subject was a subject

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Perce leate of 132 women religan students, done with 142-arrang that blindful authorities that the present of the fermion cellings operation have the adult to a make exigationally reliable discriminations of extend stimular antarctula when the crimates manufactular within the properties of the crimates manufactular within the properties of the properties of the properties of properties

In view of the information now available, it is difficult to see how Gardner's comments on my investigations have any baris in fact. (Richard P. Youta)

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T. W. Oppel and J. D. Stardy, J. Clin. Invest, 16, 527 (1997).

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paper for the 1906 meeting (April of the Eastern Psychological

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bullivest evidence leads me to the conclusion that Mrs. Stanley is not trying to cheat. When discovered by Youiz, she had not been employing her presumed powers for profit, and she agreed to ignore my attempts at commercial emploitstion into has been approached by television people). She does indeed talk while trying to discriminate the colors with her fingers, mixing how she is doing. talking also about day-to-day topics. This, however, appears to be conversato migdined the emerimentar. Chapming her, one gots the improvation that

Carrier remarks that he was "immaconnels in permusting" You's to get a have over Mrs. Stanley's head during the testing. It should be noted that Mrs. Stanley in the cale subject available for Youtz's experiments. She constitues refuses to consent to concernental numerious because of chores at home. She likes to mause for a cigarette and coffee, or morely to rest, at random moments. Because of the nature of Youte's hypothesis, none experimental sustions are run under conditions of high temperature and hamidity. In the circumstances, considerable tast and flexibility are required of the experimenter in order to achieve the cooperation of his only subject. Youta's present sterre-and-bib opparatus seems more than adequate to prevent pucking. If Mrs. Studies were required to put her head into a box, she would just plats refere to serve. One

already had his troubles permading her to continue. On the books of the exidence than far I am inclined to agree with Youte that Mrs. Names to sensitive not to electromagnetic energy but to thermal energy The effects are mattle; the sole subject is short of time. Tensing out the physical able long-term tank, (Daniel J. Wolntrush)

Contest's orticle offers a reasonable explanation of certain reports that essther with what is known about sensory processes, and calls attendies to some of ties of such questionable phonomers as those reported. Dardoor neglects to

knowledge that they are likely to be explained by flaws in the superiments, such as tradequate precautions against reviewey. Both character recognition and tricherensities coder matching through "feetwordstral" means are among such questionable phenomena; not in this category, however, to the detection of diffuenced is reliable bed exchange between the adds and diffuence objects that make the detection of the control is reliable bed exchange between the adds and diffuence objects that make the control of the co

enced is radiust but exchange between the sides and different objects that may appear to be feetiles) with one months except for color (see, asteroides, or lightness).

I describe elsewhere (i) a theoretical and respirited analysis of cutaneous sensitivity to difference in radiust hast exchange with fitness objects. Application of the Section-Boltzman, live there that, bader more conditions, radiust.

orientative or intervolves in Practice has contained with states according deficient charge between this six hold congressive get a good enables at zeros compenters in approximately 5.1 is 10% suptions, which is 16 to 10 times as great as represelved when of hermitall translatures (5.2, Among the enables considered in the flowested analysis are shift interpretative, independent on disperting enables, the control of the control of the control of the control of the control phaseing the evolution either of terminal enables, the computed offers at changes in radiative eithers of terminal enables, the computed offers at changes in radiative eithers of terminal enables, the computed offers and changes in radiative eithers of terminal enables, the computed offers and changes in radiative eithers of terminal enables, the computed offers and changes in radiative eithers of terminal enables. The computed offers are presented in the control of th

measurements. In 1916 of the Inherest revers to mak manuscements, comparison reverse first interperative changes may three as great as reported translated.

2. No. while you have subject to discriminate between claims on the basis of atthemess are better restorated as well as bittering conditions in a comparison of the control of the

shortfall indipotes, with indipote harding in governor between the magist or to morefulation, and with in stabilities being desired, with a plantate indirections graves morefulation, and with in stabilities and applications of the production of the board is a very that motivated vision is affectively as the lost disaction by Gapdton and with a disable-fully a proceeding to editable angularity and the procedure control with a disable-fully approach to editable angularity and the procedure perform significantly whose chance is the tear trails gives. The three subjects for their basis as size the publishment of Canadiar's antiet is how performed opening.

Agrons cas, it is had not not not, provide himself has delity to discontinuous this his citateous means abovier a calciate enhances with objects of differing entissorities. After applying this blade paint to half of a squeer place obsert 15 as not a safe and 3-5 me or once which of a plothed result, he as discontinuous mortely by halfing his hash fall of a right free the particle and attacking to discontinuous mortely by halfing his hash fall of a right free the particle and attacking to discontinuous mortel. By halfing his hash fall of a right free the particle and attacking to discontinuous mortel. By halfing his hash fall of a right free the particle and attacking to discontinuous halfing he is three particles trial has will be all the particles interaction and To mortel ministration and the his the discontinuous hash of the To mortel ministration and the size of the the discontinuous hash of the To mortel ministration and the size of the

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1. W. Makeus, Psychol. Rov., in press.

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Twelfi the te will to construct one-eviline a note about solds because to be seen a construction of the second of

jects whose detection performances were about as good as those reported by Youts (i), the subsequent duty soons varied from significantly above to significantly jetter chance.

The affectation of DOP seem to afternate between two hypothesises. One trypolluteit implies that DOP is a previously undiscovered sensiony channel possessed, in varying depret, by all bounds beings. The group data force my 90 method.

alleged new securory channel should behave differently from all other securory channels. The other hypothesis, which is the one toward which the conviceed eclerates have characteristically gravitated, in that only certain individuals are gifted with DOP. Such individuals are usually identified by their statistically savaficant nerthereasces. On the basis of the follow-up stady of high-occurring subtests. I have pointed out (1) that, when Youte (2) used the usual statistical test of significance on several handred trials by a star professor, he reduced the standard error of the mean to the point where the increment of a few percentage points above chance appears to be significant (i). While this is techniraffy lastitimate. It is mostly's that during this paried of time subjects may adapt to the situation, learn to detect stirrates differences on other dimensions. improve their ability to notices their countries behavior, and, no Confeer points riging scores. Another possibility, evident from the data from my three subjects is that the higher significant overall performance occurs would reach the fact that chance. These possibilities make an overall test of significance very questionable indeed. Since the "gifted person" investigate is so often used in the frince areas of science, how are we to regard the many people whose performances on access-

salesce, how are we to regard the trasty people whose performances on across ing tests are significantly layer observe? Are they to be included among the "ungithed"? It is certainly possible that continued serving with the negative might obey patterns of otherwo-and below-chance source such as I found with sourcelly high sources.

Or is 8 consible that the convision BOO researchers are focusing on the

possible can set informs districtionary.

The many feether with the glither severe hypothesis is that if it is a space.

The many feether with the glither severe hypothesis is that if it is a space.

The analysis of the control of

PHD-004 DOWSING

S. Bobboto, Percent. Not. 8(Th) 50, 191-194 (1945). S. Bobboto, Percent. Not. 8(Th) 50, 191-194 (1945). S. H. Youth, toper for the 1941 meeting of the Eastern Psychological Standard orrow of the most of V/N. where 2 is the standard deviation and N in the intal number of observations.



THOUGHT TRANSFERENCE

INT ANY I MARK TWAIN ON THOUGHT TRANSFERDINGS.

Chemers. S. L.: Society for Parchical Research, Journal, 1:100-107, 1884. Mark Twais apparently had a tengue-in-cheek attitude toward psychic phenomena.

I should be very died indeed to be made a Mandaco of the Society for Devolved Research; for Thought-transference, on you call it, or month below we've as I have been in the babit of cultier II. has been a very strong intercot with me for the past visu or ten years. I have grown so accountered to considering that all my powerful impulses come to use from somebody else. that I often feel like a more assumentia when I six down to write a letter under the courcion of a strong impulse: I consider that that other person is supplying the thoughts to me, and that I am merely writing from dictation. And I consider that when that

other person does not supply me with the thoughts, he has supplied me with the terretory account. I make a proper to have now trendent of our own. Still, regr be I not save by unconstitutely furnished other months with inspalent I have reasond an advantum from those years of constant observation. For tustance, when I are enddon't and strongly moved to write a letter of master, I generally don't write it---because I know that that other person is at that recessant writing to tell use the thing I wanted to know, --- I have moved him or be but woved me, I don't know which, --- but anyway I doe't need to write, and so I save my labour. Of course I sensetimes set upon my impulse without stopping to think.

We cigary come to me from 1,300 relies away. A few days ago, --- September 39th, --- it subtenly, and very warmly occurred to me that an order made three many, and for observe had as not for some programmable reason, received no attention. I immediately telegraphed to imprire what the moties was. At least I work the telegraph and was about to pand it down town, when the thought negatcal to me. "This isn't necessary, that are doing necestiving about the cigare new ---- this impulse has travelled to me 1, 200 when to half a second." As I Retained written the above septence a nervant introded here to nov.

remanded. " This is Outsday 6th was any boy serves my confidence won. The pressage. " Into so October wa, ... you ask how seress my conditions was. The bill for the cigara arrived October Ind., dated September 50th ... I know perfectly wall they were drive according about the charge that day, or I shouldn't have had

is the most rice years. that I could may then out upon you to other wonricess. I have been excel the matter of more and many a latter by reducing to show these strong begalass. I always know the other fallow was slitting flows to write when I get the impulse--- to what could be the same in both of us written the same. thing? People are always marvelling because their letters 'trees' each other. If they would but supplied the impoline to write, there would not be any crossing. because only the other fellow would write. I am politely making an exception in

your case; you have meetally telegraphed me to write, possibly, and I sit down I began a chapter upon "Mental Telegraphy" to May, 1878, and added a paragraph to it now and then during two or three years; but I have never sublished it. prayer or in case and then tarring two or target years; our right fever published it, because I hedged that moveds would only taugh at it and think I wan loking. I forg are decaded to not sublish it at all; but I have the old M5, by one set, and I notice one thought to it which may be worth mentioning --- to this effect. In rev

one case it has often been decountinged that people can have expetite-inher consider accumulations of the other three considerations of the consideration of the constant. You will, thus, edg shadolfs were substituted for approximate to invest about the constant of the shaded free the date and constant one constant of the constan

PHT-602 SOME MISCALLED CASES OF THOUGHT TRANSFERRENCE

J., J.; Science, 9:115-116, 1897.

that he the other of a strate is the statistical protect because, 1870, by this substancing and here is because it is substanced. If substanced the statistic describes the level is every because it is substanced by the statistic describes the statistic and the statistic and the statistic describes the position of the statistic describes the position of accordanced for the clear of the statistic describes the st

a feet, but that the moties of explanation these far equatifiered do not form a use of embassions alternatives.
This is the relicent position taken by the writtens of this article; and one singlet up of this, as they do of a similar posts, that "it is a striking proof of the biforing effect of preconceived equation or even caveful investigators, that such castless and of another than the proof of the biforing officer of preconceived equation or even caveful investigators, that the proof of the biforing officer of preconceived equations on the caveful investigators.

The solution of brought-transferrences was desidized as aggressful by the consensus figure and put very injunctive brother of the progress attributions of progress and the consensus progress of the consensus progress of the consensus progress of the consensus o

I Children are very such inspreased by each coincidences, and the writer remembere distributed here is not mass the two children researched would observe the statistical afforce, and, looking their fittle fragers together, would make a with which was believed sure to come true.

C. H. Lewes tells a story in point. Walking in the country with a friend, he heard the sound of horses' heefs belying there, and when the ridges paymed by, at cene remarked that he was constanted that the return were two women and a manwhich they really were. His companion declared he had formed the turns conlecture invidently thought-transferrence, says the Psychic research society). Then shows that can must occur daily? "two persons may foul to function

similarly is response to certain stirrall, yet notifier of them be aware of the tendence:" and it is just such phenomena that get stilled by the telepathiets. Generalize a number in a very popular mode of studying thought-transferrences and, when the correct guesses are more frequent than the artice of chance would profict. Se bypothesis of telepathy is thought to be favored. "Free this conclustes we emphasically dissect, on the ground that an appreciable percentage of the successes must be put down to the credit of similar but Independent begin-

human mind devertised, always, that it be enhanced to no other bossuses influence Select particular numbers in preference to others," in other words, these writers have independently discovered the 'sumber-habit' which Dr. C. S. Missel research. This discovery was brought about by noticing that onto constantly an under number of successes occurred at the beginning of many sets of numberguestings. The explanation is, that at first the exceptio regards the whole prohe follows his number-habit; but later, wondering at the succeases, he suspects They verified this supposition by simple experiments; and, so avoid the telegraphist's objection that portuge the tendency to choose surgicular remisure

was 'Iransferred,' twenty or thirty friends were asked to not nemerchal manations and tabulate the results. The results obtained were entirely confirmation of the so-colled number-bebtt, and "R to clear that this varying predilection for for different numbers materially withden all reasoning based on the assumption that we shall indifferently choose any number." Not sely are particular manhers favored, but there are decided tendencies to select numbers on certain principles: here, again, the results first reached by Dr. Minet are corresponded. For enample: in 1, 120 trials in which multiples of ten would have been selected 100 times by the action of chance, they were actually relected 207 times. When persons were asked to choose a number too limits being set), it was found, that in 172 trials, 84 chose samplers under 20; and 50 of these, numbers under 30. Yet, if you set 1,000 as the hight ascensolously implied by each purson, numbers under 20 would occur cely 3.26, and under 10 cely 1.54 tires. Again: when limits were not to the numbers to be flought of, there were a strong disposition recording the retails of the currhers purpose are most likely to choose is very

suggestive, and should be compared with the tables given in Dr. Minet's report. probabilities, the human mind is not calculated to get like a dic-box or a railling wheel, and to have numbers glosses is a different thing from laving them drawn. In fast, it to possible to suggest a certain kind of number-preference by the framing of the question. When the question read, 'Choose a number containing three figures. ' the digit it occurred more than twice an offer us it should have

PHT-003 THOUGHT TRANSFERENCE

numbers: guesting betters of the alphabet, names of people and towns, and the like, would be very at the constantly occessful by reason of independent similar hard-functioning. In obscuring letters, three tendenties are observed: 22, to choose A, B, and C int 172 people, 37 three A, 31 B, and 16 C/2. On thoose out's own latital other was done 21 times to 122 causes; 27, to choose Z (28 times

oal's own initial fittle was done 21 times in 122 causes; 3", to choose 2'. (21 times in 122 causes; 3"), to choose 2'. (21 times in 122 causes).

The unparisonist in favor of dependencing thought-transferrence would apply as well to the common simultaneous discovery of new points in actions by widely apparated chearmore, or even to the simultarity in castenes of unrelated names tribus jelekt Mr. Tytes a interveitingly describes and on rationally outsides).

as in the camber-reduceriscence of the usual "designative" experiences. The same cancer that led to the development of the decision operator, or to the selection of campose that led to the development of the decision operator, or to the selection of the campose of the decision of the campose of the campos

PHT-003 A PSYCHOLOGICAL INTERPRETATION OF THE RESULTS OF THE ZENITH RADIO EXPERIMENTS IN TELEPATHY Confelium, Louis D.: (cours) of Experimental Psychology, 13:601-633, 1999.

Section 1--- Proview. Notifier exiscitence nor telepathy, but the natural response of an arthrese to accordary once against the highly successful results.

of the Zecith cutto experiments in telepathy. Approximately three-fourths of the patience's seventy-six attempts to receive an impression temperationally staked continuous approximation (different from chance expectation, Apparently, the antisene was responding to definite indoors—and chance. The continguithment result of this study to the discovery of these factors.

This paper may be constituent a study of the middleties that influence an qualisance rather than a study of talepathy. It is bound be beened in restal byte this interpretation in based on the data manifolds and not on a systematic study plained by preprinting in the tight of previous receipts. Noverhalders, the high reliability and the definitioness of the tendencine sourcement due to the large members of cases made the Posith deals a valuable contribution to psychology.

on cases more on protect and a virtual contrastency in problets.

It will "Manty": I be it will breakly opposed by the Zeith Ratio
Copposition between the wild will be it will be a problet with the problets of the problets of the problets of the problets of the resident of the product of the resident of the properties of the problets of the problet

Sarrator. — Testifat the emperiment will make use of two of the characters on the Drice University ISP cards. A square and a circle! I'll repeat the characters be used testifat. A sirvle—and a square.

Associated Tabled a backed door to a your year the strifts are ten telenathic senders. Flow are menuality are women. He reason of a speciallypreserved selecting marking one of the two ESP characters will be chosen at random. The ten senders will connectents upon the character rejected----they will try to send the impression of either circle or equare to you. During the intervals denoted by the tape of a bell---see if the single thought in the minds of these telt sendors comes through space to you. The machine will operate five

Narrater, --- It is best to write down your impression as soon as you received to see think about it or try to means it get. Write down your impressions is consecutive order---as rapidly as you got them. The machine is now reads

Seda Sten. Bell. Interval. ... Bell Narrator That was mucher one. The machine will now relect number two.

(Etc.) The senders were ten students from Northwestern University. We attempted to secure people who were symmathetic toward the hypothesis of telepathy and who possessed vivid tragery. The senders worked in a small room adjunced to the stadte where they were entirely unchnowed. The choice of items to be sent was made by S. L. Belk and Company. The tabulation and checking methods used guaranteed a high degree of accuracy in the count of returns. (A sample of 9000 of the original reports submitted by radio listeners was reconsed in our laboratory to secure additional data, and showed perfect accuracy is the

The breethy analysis of the data in occitted. Conclusions. An analysis of over a million responses from the resto

audience, reveals the operation of marked entra-chance factors. The two most important of these factors are (1) the pattern or sequence used by individusis in recording their guesses, and (5) the set or prelisposing influence of subtle suggestions found in the test instructions. When these factors are disthat the number can not be excluded on a boats of charge. However, as has been made in this paper would reveal in such data.

PHT-004 EXTRASENSORY ELECTROPINGEPHALOGRAPHIC INDUCTION DETWEEN IDENTICAL THINS

Dunns, T. D., and Schrendt, Thomas: Science, 150:367, October 15, 1965, (Convright 1905 by the American Association for the Advancement of Sciences

Person studies of the ables of little does not include driving of the ables included to the other completes the the describes objects. For the described the little is a seen and replaced to the last seen and replaced to the last seen and replaced to the last seen and last little or trustees it may be a first seen of a seen and the last seen and last seen

with a freezence of 6 to 12 cv/sec. Alpha riothes ordinarily can be eligited under the following opponentament when the subject classes his eyes, when he stores at a uniform unnathroad background, or when he size in the dark with his even open. Stone eye closure in a lighted room elicits immediate and reproducible results it was chosen as the method for our investigations. A few of the subjects were known to us. Most were selected from among those who had assessed advertisements placed to the newspapers. No specific criteria other than close similarity in specimen and a history of identity confusion were used to antablish monoxygority. The twins your seated to expande lighted rowers 6 or apport and more instructed to open and close their open only on commune. Electrodes were inserted subcutaneground. The amplified signals were recorded on a Beckesar Donorrash and a Honovaril Viscourier. The subjects were asked to sit quietly, recess neverand leave their cave open except when instructed otherwise. Unrelated subtects were recorded with one seether, and with the twins, to rale out fastruroutal artifacts, such as "crosstalle" between the channels. Analysis of the records was by grees inspectice. The evidence cought was the presence or

shoese of alges patterns and their correlations in tracings obtained from the subjects.

Extraormory induction is the appearance without conventional elicitation of an algebra friether in one twin shife it is being cooled under standard conditions.

and the first product in the contraction of the con

controversial information assilable on the subject of cotraseasory perception, it appears newfor to draw any conclusions or to make any statements regarding these assects of our investigations.

References and Notes, 3. T. D. Dezne, D. M. Lewis, S. D. Wooke, J. F. Toole, Neurology 13, 156 (1960). 3. Supported by NHI great ND 04333-84.



Telepathy: (Disseing by John C. Holder)

PHT-996 EXTRASENSORY INDUCTION OF BRAIN WAVES

Scott, Thomas R., et al. Sciages, 150-1240+, 1900. (Copyright 1965 by the American Association by the Advancement of Sciences

bases and Petrosch Station der hove demonstrated "schraustration" et enterprised properties des control and product and the schraustration of the product of the schraustration of the schraustration

HT.005 THOUGHT TRANSFERENCE

Now many con-twin pairs were stadied?
 Now long a time sample was obtained from each pair of subjects?
 Now many elicitations of alpha were performed with each pair of sub-

6) The authors report that the recovers were analyses by govern assessment free those design the importion arrange or assessment of which or not the recovers even shadowed from twins or non-twins? Were they aware of the points in the recover of which one of the twins was instructed to close his eyes?
7) The authors may the legist were reported on "several different secontons."

7) The authors my the tests were repeated on "several different consistent." Blow many replications to "severals," and how many expectations to "severals," and how many expectations were provided for the effect to show itself or full to appear. The reading Science one occurs to expect as standard of supervising fact higher there this is undiffered of much less fordamental (supervision. It is normalized to the contraction).

that this is maken to been published complainly conseppreted by any of the mand superimental subgenetic. Thomas it. Secti.

... A great variety of factors influence in Secti.

... A great variety of factors influence the uppermove of the slipha rhythm, and there is a very real possibility of contamination by one or more of these. White wides lated in not under volunture certainty, sense of these factors are.

technical the uncovere closure-what the authors used to induce it. And, as all crucial, there is no excuse for using conditions that heave the quantics of named to the surveyed by judgment or interpretation." The report to about dentity of the proportional default that is expected to an adequate tells ment of whether or not such someony owen were, in fact, confided. For instance. the first twin supposedly was instructed from time to time to close his own. What instructions were issued to the other twin, beyond being asked to all existly and have been some ones? Was he given any kind of warrier sternal that a trial was about to start? Where was the recording apparetse? Any auditory stared or any distraction from the visual "task" of keeping the ayes open can bring on slobs (7). On the other hard, was the second twin allowed to not for a long time without any further instruction? If he did so without any analety or apprehension, as the aribers believe, then the danger arises of bereion developing; and boredom to known to bring on alpha (2). Ware eye closures of both twins monitored? Since eye closure induces alpha. It to essential that we know whether the second tatin's eyes were. In fact, open at the tires the first twin was cleater his the records resembled in the article abov cely the energlessive record for one subtest, the sender. It would also be helpful to know whether the two successful ceres, who "hamound to possess a prior knowledge of biological accords and more relatively apparented about the tests," were among the subjects whom the methods any that know, Just how much did the appropriate subjects know about

The right does refer to prisonally treat a test of firm dails. . Two deptons considerations of the right does not recovered to the principle conduction of the prince. One shows distributions table below to take the other objects on the prince. The character of the right does not be the principle of the principle of the right does not the presence description to the table table the principle of the right does not the presence dissembly the right does not be the principle of the right does not the principle of the right does not be the right does not principle of the right does not be the right does not the right does not be the right does not the right does not be the right does not the right does not be the right does not the right does not be the right does not the right does not be the right does not the does not be the does not the right does not be the right does not the does not be the does not And twin's one cleans did not influence about in an unculated exhibit

(Victor G. Laties and Dornard Weiss) J. B. Rhine and J. G. Pratt, Paragraphs (Thomas, Springfield, III., 1957), p. 22. logy; Prostier Science of the Mind

I. Ooward, Hanging and Whiting (Hasvier, Amsterdam, 1963), pp. 72–78.
 H. Devin and P. A. Davis, Arch. Neurol. Psychiat, 36, 1214 (1906).

"Dager I not to resign from the AAAD?" Showin the editors have accepted that
paper? The pro-assever is: Galifeo. Science is hindared when the Establishment undertakes consureable. The contra number is: State to tee procious negation to allow for the printing of you data, and these data are you. for they state merely as construct relation, as expery correlation, that lies out of further relation to any understood body of screenific fact. Besides, there is a Named on which these authors do not site and seem not to know. It seems clearly to have been trickery to feel many important investigators [5, G. Seal and H. T. Bowden. The Mind Readers (London, Faher and Faher, 1959). Those been were in separate rocess. How well shielded were the twing of Dane and Behrendt from each other? Did the recipiont twin have bin even true tada was reducid to chase blu save? Montical twice one accustomed to account on. Asshow, the mater difficulty is that these twice does not of 10 rotest areapeated the experimenters with a correlation that they could not explain. So it non sirege theet. The parameterist is once his compressed put his input recessful. for he has discovered the inexplicable! (Edwis G. Roring)

Tart. Charles 7., et al. Science, 151:28-16, January 7, 1995. (Copyright 1966)

Science has published a number of articles that were highly certified of EXP. Deare and Rebrendt's report. "Extrangueury about representation industries between identical twiss" (15 Oct., p. 367). The research described by Dance and Hebronit fails to most some elementary criteria for naranay-betastool reading by all of the four reputable paraparohological journals (II). The reported experiment has three major flows. First, with only a strate wall and 6 meters of space separating the subjects, the "receiving" twin man

as a meant of storring data in such a centroversial area to obviously unacceptable. Third, the authors do not report even the most baste sort of descriptive data, such as number of trials under various conditions, much less any objection statistical basts of their results.

Dame and belowed side that they will not draw any conclusions. To came of the passity of controlled dam, contrasted with the voluntames concreverable information resulted on the subject of extraorance proveption." The gathers have not added sturber outstrowerial data with such an inadequately controlled study, and they overfook the existence of a number of well-controlled study, and they overfook the existence of a number of well-controlled studies of survices which soldies in the controlled studies.

Speaking as a psychologist who is familiar with the reputable ESP Hieratore and who has done some minor stedles in the flath. I feel the readers of discissed bounds realize that Dates out Behrealth report is below the usual standards to ESP receasesh... and should not be taken as at all representative. (Charles T. Tart)

L. Intern. J. Paragarchol.: J. Amar. Soc. Psychol. Res.: J. Paragarchol.:

Soo, Peych, Res.
 D. Dess, J. Soo, Psych. Res. 41, 251 (1942); C. Tart, Inter. J. Paragasychol. 5, 275 (1943); J. Woodraff and L. Dule, J. Amer. Soc. Psychol. Res. 45, 52 (1952).

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The previous reasons in the in the property of the previous and the previous property. The previous reasons in the interpretation of the previous and the previous control the previous control the previous and t

Assertement National 153-550-566 Cutabase 16, 1834

We publish this week a paper by Dra. R. Tooy and H. Publed' many corn which is bound to create securities of a stir to the animative economics. The claim is made that information can be transferred by some charms whose charms teristics appear to full "outside the range of known perceptual modulities". Or. ware bloodly. Away people can read thoughts or our though remotely

Such a ciaim to. of course, board to be greeted with a precentificated reaction amongst many actestists. To seems it simply confirms what they have always known or believed. To others it to beyond the laws of accorde and therefore measured. constitute are still encounted and our subtence of black modific to south cottleal enougeatten

The issue, then, is whether the exidence is of sufficient couldn't to be return seriously. In trying to enswer this, we have been fortunate in having the before of these independent reference who have done their atmost to one the hance on a firmation of projudices. We think them for the considerable effort they have put

is to helping us, and we also thank Dr. Christopher Evans of the National Physics cal Laboratory whose continued advice on the nation is reflected in the content A general indication of the referens' comments may be helpful to readers in reaching their own assessment of the paper. Of the three, our believed we

should not making, one the net feel strongly either way and the third was grandedly is favour of publication. We first resumarise the arguments against the parer. (D) There was accounted that the coner was read to design and recovery ties, to the extest that details given as to the prorise way in which the expect-

result won negroted out were disconnectically popular. The reference felt that besufficient account but been taken of the established suched days of commitmental newbelow and that is the form originally submitted the name would be sufficient psychology and that in the form originally submitted the paper wount to unitesty to be accepted for publication in a psychological tournel or these expends above or.

(I) The three reference were particularly critical of the method of turner

selection used, positing out that the obstee of a target by "opening a distinguisat random? In a nation, years and proposessable continuously and annual to rundomication. Paragovehologists have long rejected such methods of target skill in their experiences, which raight have caused there to make more other wistake which is less evident frees their writing".

take which is seen evaluat from their writing... condition introduced against the possibility of conscious or unconscious fraud on physics. This is itself might be sufficient to raise doubt that the experiments.

Two of the reducers list that it was a pity that the paper, isslend of concentrating in detail and with meticulous cure on one purpley, account to different makings in apparaturing elementations and with cate a forest many thems. At the best these were more "a series of pilot studies....than a report of a completed experiment". On their own them highly critical comments could be grounds for rejection

of the paper. Not I was fill be extracted profits model to be taken the amount above a final decision eval to be made.

(1) Despite the observations, the paper is presented as an electific decision with the paper in presented as an electific decision, writing force a paper creament establishment and the paper is the paper in the

(b) The authors have clearly alterapted to treestigate under laboratory continuous processes which, while highly traginately no ones scientists, recold nevertheless seem to be worthy of inestingation even id. it the final analysis, negative thinging are reveable. It estimated algorise and admits the reality of entire neutron processes are necessary processes, the standard part of the reality of entire the reality of entire the reality of the standard processes. The reality of th

D. Very send-formbe advance publishy—it is fast to age not generated by the auditors or white frastitute—man perceived the percentagation of their report. As a result many scientistic and very large considers of non-associate believe, as the result of associate safe very large considers of non-associate believe, as the result of associate of superspicit, that the standard Research formittee (80%) was engaged to a major oversarch programme into paraporcheligibil enailized had even besen the scient of a remarkably templaticity in a finite fact. The

was engaged in a major research programme into purspencheligied entition and had even been the scene as in entand-by remaindent entitlement and the scene as a remark-by remaindent of a little remaindent programme, and modest date. It, we believe, likely to go the wholest classics in some entandent programme, likely to go the wholest classics in some entandent programme, may be a second to the scene of the

In very advancement research, to empre their not present may evidence whitehere will altered for Califer's adjusted additions to been described noted in sectional present magnets as a distance, make analyses of our attack by some perchainforted force and one or. They adjusted or the paper most the position for the grounds of the property of the pro

it would allow paraphychologists, and all other extention increases in researching this arguste field, to gauge the quality of the Randerd research and assess how much it is contributing to puraphychology.

Singapp, although soon by some as one of the world's must respected increase repeat officed in three on exampleability. We believe that our resident

journals exame infect to true on respectability. We believe that our respects expect us to so boxes for the consoroul Nagha-wait type of pipers. This is lawfully to searn that we regularly thy to the foct of effects of recursors and provided to the provided that the provided is to the provided to the provided as the provided to the literature, occurring to the formula. In case often to be largedless which is sear or the provided to the literature, occurring to the formula.

The critical concessis show were uses to the suthers who two modified their remeasural put neepsons to them. We have show everyounded internally suffered to the contract of the contract of

Publishing in a scientific fournal is not a process of receiving a real of approved from the cotabilishment; rather it is the serving of notice on the community that there to scenething worthy of their nitreties and scruttey. And this publishing this week the compliance for. Joe Hapler's own investigations into a While reads of observes an errounding Mr. Galler. If the unbleet is to be inmental technique will have to take account of its. Hashou's strictures, those of

Perhaps the reset important issue raised by the circumstances surrounding the publication of this paper is whether octance has yet developed the competence to confront claims of the paramering). Supposedly purmournal events frequently remove he investigated in the calls controlled and materials are that extended are expected to work and so there is always a danger that the investigator, sweat up in the conductor that surrounds many experiments, chandres his natual done by another unannociated grown and analysated in terms of performance by the first group. Only by increasing gentlerity of operanch by prigothers will thank be any major progress in this field.

PHT-008 INFORMATION TRANSMISSION UNDER CONDITIONS OF SENSORY

Tarry Board! and Dathoff Harold: Nature, 252-000-001, Devotor 15, 1974. We present results of experiments suggesting the existence of one or more mercentual randoltties through which individuals obtain information about their environment, although this information is not presented to now known sense. The literature and our cheervations lead us to complete that such abilities.

We have investigated the stillity of certain people to describe graphical material or remote scenes shoulded against ordinary perception. In addition,

to resolve under conditions as unarabiguous as possible the basic issue of

Our goal to not 1481 to estalages interesting events, but to uncover patients of cause-effect relationships that lead thressel has to sindjusts and hypothesis in the forms with which we are familier in referrible sindy. The results presented

here constitute a first step towards that goal; we have established under known conditions a data base from which departures as a facilities of physical sat psychological variables can be studied in future work.

Benoble Perception of Graphic Manerial, First, we conducted caperiments with 3th. Out Celler is which we examined his ability, while located in an observable of the studies of the studies of the studies of the studies.

with Mr. Uri, Utilite in which we examined this shifty, while located in an electrically solutionless room, to reproduce largest priorize disraws for opertransters less and at records locations. Second, we conducted doubt—blind experiments with Mr. Par Pieles, in which we measured this shifty to describe transact on decreasement many reflect from the operation of the second range reflect from the operation of the second range reflect from the operation which we have been supported by the second reflect from the second reflect fr

crease light was flashing, and to determine whether a subject could perceive the presence of the light, even if any at a necessive leaved or sourcease. In preferricary saving Geller apparently demonstrated as shilly to reproduce simple pictures little circumpted within the least orderson and picture it enques assistantly as the could be applied to the propose set of the saving of the preferricary to the force, with deliber, it was not permitted to handle. But since out-of-the integral saving handless are the saving of the properties of the properties of the saving of the properties of

emelyage which he was not premitted to handle. But store onesh of the largets are lawns to a least one experience in the roots with Golden, it was not for the man and the state of the sta

the experiments of red.

In the first part of the study a series of 12 separate frawing experiments were carried out over 7 days. No experiments are deleted from the results pre-

At the legistricy of the emperiment either follows are the enterimentary enterior countries, and the enterimental enteriment is a second of the enterior of the enterior of the enterior of the following follows because the experimentary was a target beaution. Only billionizing following the experimentary to the experimentary was a target beaution. Only billionizing the experimentary of the experimentary was a target for the experimentary of the e

Galler on the ligenous as to the study of the primar solvation for target, and followed techniques. Quantitatives of the primary of the primary solvation of the primary o

10 were carried out uring a shielded room in NU's facility for EEO research. The acceptic and visual isolation is provided by a desider-walled steel room, looked by means of an inner and outer door, each of which is accurred with a refriggreater-type looking mechanism. Following target selection when Geller.

was lastife the reces, a one-way audio question, operating only from the swoteto the outside, was activated to monitor Geller during his efforts. The target picture was never discussed by the experimenture after the picture was drawn

and brought near the shielded room. In our detailed examination of the shielded room and the protocol used in those experiments, no sensory leakage has been no.

The conditions and runalize for the 10 experiments curried out is the sharlded

room are displayed in Table 1 and Fig. 1. All experiments except 6 and 5 were conducted with Geller inside the shielded room. In Experiments 4 and 5, the procodure was reversed. For those experiments in which Geller was inside the shielded room, the target location was in an adjacent room at a distance of about tively, as office at a distance of 475 m and a room at a distance of about 2 m.





P1-124

A response was obtained in all experiments except Numbers 5-7. In Experimeet 5. the person-to-person link was eliminated by arranging for a priestlet outside the usual experimental group to draw a picture. lock it in the shielded room before Geller's arrival at SRI, and leave the area. Geller was then led by the experimentary to the shielded room and asked to draw the picture located miterit a drunder. The elimination of the person-transferred link was experient further in the second notes of apportments with this solver Experiments 6 and 7 were carried out while we attempted to record Getter's

EEG during his efforts to perceive the target pictures. The terret pictures were respectively, a tree and an envelope. He found it difficult to hold abscustely said for good EEO records, and that he experienced difficulty in petting impressions of the targets and again submitted no drawings. Experiments 11 through 13 were carried out to SNI's Engineering Suiking.

to make use of the computer facilities available there. For these experimentary, Seller was secured in a double-walled, copper-screen Paraday cape 54 m down the half and around the corner from the computer room. The Parollay cage provides 120 dB affectation for plane wave radio frequency radiation over a range of 15 kHz to 1 GHs. For magnetic fields the attenuation to 45 dB at 15 kHz and decreases to 2 dil at 60 Hr. Following Getler's inolation, the turgets for these experiments were obseen by computer inhoratory personnel my otherwise. associated with other the experiment or Geller, and the experimentors and subtest were kept blind as to the contents of the target pool.

For Experiment 11, a picture of a leite was drawn on the face of a cathoderay tube display screen, driven by the computer's graphics program. For Experiment 12. a picture of a church was drawn and stored in the memory of the coreouter. In Emeriment 13, the target drawing, as arrow through a heart (Fig. 2c). was drawn on the face of the cuthode ray take and then the display intensity was To obtain an independent evaluation of the correlation between target and response data, the experimenters solventted the data for judging on a 'blind'

basts by two DRI acientists who were not otherwise associated with the research. reated the reviewes data with the corresponding target data retibute replacement. In those cases in which Geller made races than one desiring as his regresses to the target, all the depretuge were combined as a set for induter. The two techniques matched the target data to the response data with an error. For either halossuch a correspondence has an a priori probability, under the null hypothesis of no information channel, of $P = (10)^{-2} \pm 3 \times 10^{-3}$. A second serios of experiments was corried out to determine whether direct

perception of envelope contents was possible without some person knowing of One handred target pictures of everythy objects were drawn by as SSI artist and realed by other SEI neversel in double envelopes containing black cardboard. The handred targets were divided randowly teta growns of 20 for use to each of the three days' experiments.

On each of the farm days of these experiments, Gelley researd. That is, he declined to associate any envelope with a drawing that he made, empressive disc. satisfaction with the existence of such a large target pool. On each day he made approximately 12 recognitable drawings, which he felt were associated with the entire target rook of 100. On each of the three days, two of his drawings could reasonably be associated with two of the 20 daily targets. On the third day, two of his drawings were very close replications of two of that day's target pictures. The drawings resulting frees this experiment do not depart significantly from that would be expected by chance.

In a simpley experiment Geller was successful in obtaining information under conditions is which so persons were knowledgeable of the tayret. A double-blind such steel have. The hea was then vigorously shalon by one of the experimenters and placed on the table, a technique found is control runs to produce a distribution of the force differing popularificantly from change. The extention of the diswithin the her was anknown to the apportmentage at that time. Galler would then write four which die face was ensurement. The terrest and was known, but the targets were incoversally properted in a manner come to an persons invocved in the concertenced. This emportment was performed ten times. With Geller passing response, he was regrect each time. The distribution of responses consisted of

three Sx. one 4, two Sx. and two Sx. The probability of this occurring by chance In certain situations significant information transmission can take place

conditioned for fature investigation include whether the subject knows the net of metal by paramormal means. Although metal bending by Geller has been observ-





Fig. 2. Computer charrings and responses charen by Uni Golber, in. Computer drawing stored



adequately controlled experiments to obtain data sufficient to support the para-

Remote Viewing of Satural Targets. A study by Osio⁵ led us to determine whether a subject could describe randomly choose geographical sites located several rates from the subtect's position and decarrented by some appropriate means (remote viewing). This experiment carried out with Price, a former California pelice commissioner and city councilrans, constated of a sories of

and the second transfer and a long transfer are poster property in the labora-In each of rise comertments involving Price as subject and Still expertmenters protocol. Price, who remained at fill, was asked to describe this remets loca-

tion, go well as whatever activities might be going on there. Several descriptions yielded significantly correct data pertaining to and descriptive of the target location. In the experiments a set of twelve target locations clearly differentiated

from each other and within 30 min driving time from SHI had been chosen from otherwise associated with the experiment. Both the experimenters and the mintest were kept blind up to the contents of the target pool, which were used with-An expect proper was absented with Paton at SIII to wait 35 win to begin the

sarrotive description of the remote location. The SEI locations from which the adjust viewed the remote incutions consisted of an outdoor park (Experiments 1, 2), the double-walled copper-acrees l'araday cage discussed earlier (Experimovie 5, 4, and 0-%, and as office (Experienced 5). A second experimentar would then obtain a target location from the Division Streeter from a set of travelling countryl. The target demarcation lears then to four SEC experimentary) than prothe indused at SRI was in agreement both as to the particular target and as to the target pool, he wan free to question Price to starify his descriptions. The dealbitted for travel. Dering the observation period, the remote-viewing subject would describe his impressions of the target site into a tape recorder. A com-

on including structural restoriate, only respirators and article, presentation in five SRI sujestiate who were not otherwise associated with the research. The radges were asked to reatch the nine locations, which they independently visited, against the treed mannerty to of the tape-recorded norvatives of the remote

taken were asked to find a narrestive which they would consider the heat motels for each of the places they visited. A given parvetive could be assigned to more than one target location. A correct match requires that the transcript of a given date be associated with the target of that date. Table 2 shows the distribution of

hypothesis the remote viewing and a rawleyn selection of descriptions without coamong all possible permutations of the interest one through size, the needability of six or more being in their natural position in the list has that value. Therefore, although Price's descriptions contain inaccuracies, the descriptions are sufficiently occurate to percelt the redoor to differentiate among the various tar-

EEG Experiments. An experiment was undertaken to determine whether a the stological measure such as EEG activity could be used as an indicator of information transmission between an inelated subject and a remote attractus. We hypothesised that perception could be indicated by such a measure even in

the absence of verbal or other overt indicators." similar to those obtained under conditions of direct stimulation. For express. when pormal subjects are stimulated with a flashing light, their ESO typically shows a decrease in the applitude of the resting shother and a driving of the brain waves at the frequency of the flashor". We hapothesized that if we stieve lated one subject in this manner is sender), the EEG of another subject in a remote room with no flash present in receivers, might show changes to alpha (9-1) Bu) activity, and possibly EDG driving similar to that of the sender.

We informed our subject that at certain tireas a light was to be flushed in a The receiver was against in the standily receive accountingly and electrically shieking dwide-walled steel room productly described. The source was reated in a room about 7 to from the receiver-

worked with four female and two male volunteer subjects, all of when believed that success in the opportmental situation might be possible. These were dealer saled 'receivers'. The senders were either other subjects or the experimenters. subject in this selection procedure, and to do a more extensive study with any

A Grass PS-2 photostimulator placed about 1 to in front of the sender was the certainst region (Or), referenced to linked mantains, was amplified with a Grass 69-1 preamplifier and associated driver amplifier with a baudpase of 1-120 Hz. The ERO data were recorded on magnetic tape with an Acapea SP 200

and prominer and was followed in one second by either a 18 s train of flashes or a call flash interval presented to the sender. Thirty-six such trials were given to tone --- 12 trials of flookes at 6 J. p. c. and 22 trials of flookes at 16 J. p. s. , all

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randomly intermixed, determined by extrica from a table of random weekers. Each of the trials overrated an 11-s EEG exoch. The last 4 s of the exoch was adorted for analysis to minimise the desynchronising action of the warning case. Spectrum analyzes gave no ovidence of EBS driving in any receiver, although in control cars the receivers did eshibit driving when physically attrached with the flasher. But of the six subjects stadied initially, one subject (H. H.) showed a completent alpha blocking affect. We therefore undertook further study with

lists from seven note of 36 trinks each were collected from this subject on

three percents down. This resources all the data collected to date with this whiler under the test conditions described above. The alpha band was identified tarnet from indirectable trials and subjected to stuttetted emityete-

Of our six subjects, M. H. had by far the most recessfromatic EEG spectrum. Figure 3 shows an overlay of the three averaged spectra from one of this sublect's 35-trial runs, displaying changes in her alpha activity for the three stimm-

Mean values for the average power and peak power for each of the serve experimental sets are given in Table 5. The power measures were less in the 16

of some assurage power measures. Note also the reduced effect in the case in which the subject was informed that no service was propert (But St. II. Service that conveil with application was reduced for this run is consection with the subject's convenied approhenation short conducting the experiment without a sender. This to to contrast to the case (Run 7) to which the subject was not informed. fill data by H. H. showing average power and peak yew the h-11 fiz band, as a function of flash frequency and

Flash requesty			16	0	6	16	
ecdec	Acc	Accepted Person			Peak Power		
I.	94.8	84.1	76.8	357.7	323.2	219.6	
LT.	41.3	45.5	37.0	160. T	161.0	125.0	
lo sender saktest							
oformed)	25.1	85, 7	25. 2	87.5	95.7	\$1.7	
. L.	14.2	88.3	44.8	191.4	120.5	141.3	

-245 (P < 9.04 P1-110 218.1 199.6 259.5 -21% -05% (P < 9,00) Siegel's two-tailed t approximation to the negarimetric randomization test⁰ was applied to the data from all sets, which included two sessions in which the sender was removed. Average power on trials associated with the occurrence of in L.o.s. was simulficantly less than when there were no flashes it = 1.09. d.f. = 116. P.c 0.00. The second measure, peak power, was also supplicantly



EEG spectra, 0-30 Hz, for one subject (H.H.) acting at a receiver, a e changes in the 9-11 Hz band as a function of stroke becoming. To come O S and 15 to a (17 tols) assessed

Seem in the 26 f. m. s. conditions than in the null condition n=2, i.e. d, $f_n=1$ i.e. P < 0, (0). The average response in the 6 Lu. s. condition was in the same direction as that associated with 16 f. p. s. , but the effect was not statistically

tance in place of the subject with and without the addition of a 10 Hz, 50 a V test signal applied to the saline solution, revealed no indications of flash frequencies, nor perhapsitions of the 20 He stand. These controls appear that the results

were not due to averteen artefacts. Parther tests also ever on authors of radio. Subjects were asked to indicate their conscious assessment for each total as to which offender was generated. They made their guesses known to the experiresulter via one-way beloggishic communication. An analysis of these guesses

has shown them to be at chance, indicating the absence of any supraliminal queing, no around as evidenced by significant alpha blocking occurred only at the

PHT-008 THOUGHT TRANSFERENCE

Conclusion. From these experiments we conclude that:

• A channel coints whereby information about a remote location can be obtained by means of an an yet uniformited perceptual smobility.

• As with all incological systems, the information channel appears to be imper-

While a quantitative signal-to-noise ratio in the information-theoretical scene cannot as yet be determined, the results of our experiments indicate that the functioning is at the level of useful information transfer. It may be that creased perceptual shiftly to whichy distributed to the general

It may be that remote perceptual ability in widely distributed in the general population, but because the perception is generally below as individual failured or set surfaced. Par compute, two of our majority (II. II. and P. P.) had not considered themselves to have unusual perceptual shiftly below their constitutionals in those concriments.

(II. II. and P. P.) had not considered themselves to have unusual perceptual shift below their participation in these experiments. Our observation of the phenomena leads as to conclude that experiments in the area of so-called paranormal phenomena again to excentificatily conducted, on it to one leger that other behaviories will initiate additional research to astrong

It is our kept that other laboratories will initiate additional research to attempt to replicate those fledings.

This research was appeared by The Foundation for Paramemory Investigation Sew York City. We thank Mrs. Jetilis States, Dv. Edgar D. Matchell of the

institute of Nortic Steiness—as well as one Stil associates, Mr. Bornar Cox, Mr. Earls Joseph and Dr. Done Horsen—doe august and secongracust. Constructive suggestion by Mrs. Fean Mayo. Dr. Charles Tart. University of Onlicratia. and Dr. Robert Censoria and Dr. Basis Galler on the Langley Perfect Neutropsychiatric Institute are authorotologist.

Front. J. Brinn. J. B., Rance, J. C., and Generocod, J., Extr. Sensory Der-Fermin. J. Brinn. J. B., State, J. C., and Generocod.

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SECTION PI: INFORMATION PROCESSING

The normal study precesses information to impressive and not fully unfarrited ways, even when suchern digital complete are used for comparisor. The shorternal study, however, is even more spectacellar. Indeed, seem leads of memory and established are incredible; yet, there they are. Calculating configure, life ensemption, seem to upper mental fundities deep willist the break that may be envirously property. If only their was over substrated. The apparent allifty of the subcreates to process the process of the contraction of the contr

Elidetic images are regarded here as a form of information retention: 1. a., temporary, high-quality data basis. Somether, a few individuals, mostly children, can retain remarkably detailed images of soence over after the scene has been remarked. Elifetic images are not afterinages, and their reality is a real psychological and physiclogical impliery.

PEC Calculating prodigion, infant navants

1935 Anomalius of gentus, relation of gentus and mental instability, the excellen phenomenon

Pil Eidetic Imag

PIM Memory feats, including photographic mem-

Decemetrus thinking, information processing by the subconscious

PIG-001 ARITHMETICAL PRODIGIES

Scripture, E. W.: American Journal of Psychology, 4:1-59, 1891.

From Stripture's classic and vary long review, we select only some of the most interesting cames plus the author's generalizations at the cold.

A great deal has been said and written about those observed recrees in a

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insat mondant. "The will mortel sours a piece of land or a first, and rell you the construct of it, shows at a soul as a five presented it by the shait... We measure in this source the whole brieflying all Strates, of zeros drowned sorres, ... and the shait of the tenhalis... In this lower sourcement to restored them to square their release, receiving (if thinh it is such able of the tenh." Surface other products were calculably in the shait is relifted as been existent. Subject and different without order to be a shail that he follows a beginning to a shail of the shait of with redocting, by which a lated of superfacings was probably mease. The cause was the office is named to desire a shail of the shail of the shail of the shail of the shail to shail of the with redocting, by which a lated of superfacings was probably mease. The cause was the office is named to define significant to the shail of the white shail of the white shail of the s

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restor brought away one sections. Auroig bore based in dividing some time or comes paped to the semidical treew pairs. He wished notion in 1974, and was tasted by the Buyest beyonds; One this void the wax about to see Ring Rechard III performed on Devy Loss digalaness. In this maint was experient an at cherch. Devery the shore he found he attention upon the marker of the period on at the cherch. Devery the shore he found he attention upon the marker of the period on at the charge of the period for the period fo

Ampire. ... The first talent shown by Andre Marie Ampere, 1775, at Laws, 1865, at Marwellies, was for arthrestic. Welle still a cells, inswing noting of figuras, he was seen to carry on long orderables by mean ad photics: To illustrate to what an entracellisary degree the low of calculation had setted gree the cells, it is related that being degreed and his photics during a rectinus

upon the child. It is related that being deprived of his pebbles during a serious illness, he supplied their places with pieces of a biscutt which had been allowed him after three days strict flet.

As soon as he could read be dereured every book that fell into his hands.

terrising this the secondary hosts. Battery, travels, portry, romanes and philosophy travels flow almost separation. His principal study was the engielapatis in high-abstralar driver, in twenty volume 1800, each volume input and in its proper cells. This releases when who completely and being's express of a through the control of the control of the control of the control of the a through time to be the thin the firety celled in patiently which enables the tree to assimize white orderlies, after rending in adjustant order nature on astessinged, variets. "Buff a sensory attention to would repose this perfect securated for passages from the accompletely resulting bulleness, in the control of the contr

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In 1706 list lighter was bisothered by the revolutionarion, and young despere mas completely paralyzed by the follow. Business, the huntimed latent and a shaper glasson at lifecase rounds thin after reces than a year from an afranci complete filtery, and he gives himself to wide uncertainted sets in the neight of latent and they not been set to be a set of latent and the property of the latent and the set of latent and the latent a

Academy of Sciences of Paris, discoverer of indumental treths of electrodynamics, and a defender of the neity of structures in organized beings. Join as he began by learning completely the encryclopedia of the 18th century, he recentated encoyological all this life, and the last labors were on a plan for a new conyclopedia. Gazzas.——The arithmetical proxigins might be divided into two classes, the

consider a first management protegors maps or converse to consider the construction of the many-stated. The former would include those who like Buxton, College and Daise were more "reckering-mankhes," the other would consider ones in whom the collecting process may only a part of gift or furnishmental tablest like failbord, or some of the highest mathematical posits like Gauss.

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sector of a row bright but had not made of entire that has some a should be a construction of the section of t

After learing the gr mastern in 1795, he entered the University of Collingen. As early as 1795, he discovered the method of the least squares, and in 1796 he invented the beary of the divides of the circle. In 1796 he promoted in absenting as Dr. Jahl, as the university of Belrasted. In 1796 he promoted in absenting as Dr. Jahl, as the university of Belrasted.

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As another of his early life, bod to binned, is an delines: the finisher was convenient, which has reduced by the hour of a price in properties on the fully vagos. After the matter had finished his calculations and was about to go cot to the fully are sense to the finished his calculations and was about to go cot to the fully. The calculation of the finished his calculations and was about to go cot to the fully. The calculation of the finished with the first his calculation of the first his calculation when the first his calculation of the first his calculation was required when the calculation was required with present formers, and to the associations of all the second contractions are required with great the first calculation.

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on difficult investigations and extensive memory for figures set those who not him in astociate
ease. His assurpassed memory for figures set those who not him in astociate

tion. At once, or after a very short passe, he was able to give the properties of each of the first counte thousand numbers. Is mostal calculation he was unsurpassed. He had always in his mind the first doctmals of all the logarithms, and used them for approximate estimaton while calculating mentally. He would often name were no approximate estimates white carculating mentally. He would also pursue a calculation for fars and weeks, and—what distinguishes him from all other calculators, --- during such a calculation he continually invented new

Bashors the heat ofeters of his modes is vison by Waltershauser. "Greek showed a remarkable, perhaps unprecedented, combination of peculiar talents. To his emirgest shiftly to work out in bireself shatract investigations on all sides and from all standpoints. there were joined a marvellous power of remerical calculation, a peculiar mease for the quick apprehension of the most complicated relations of nambers, and an especial love for all exact observations of nature. From Gazze's opinion of Pfaff we get a hist of what he regarded on the essential of puries. "mover to leave a matter till be had tenesticated wherever

must: If he could not promper a problem at most, he stored it on for feture asia.

Zerah Celbura. --- Astobiographies do not always foreign the most trustworthy explanate in regard to the man himself; when, moreover, the author is constrood that he is nothing less than a modern mirrarie; and, finally, when having had no his youth, we are obliged to supply the larking critical treatment of the sarrative. The main source of information is record to Collarm's vortific powers consists of his recognize multished by him in 1920. Only one contemporary account of his earliest sabibitions in America is to be found, we must ruly mostly on his one statements, probably derived from recollections of his friends, and on a

child. In the year 1810, a short time after a six weeks attendance at the district other laye is the class-roots), his father heard him saying "5 times ? are 55." "A rivner it are 48." otc. . and more examiled him and finding him perfect in the modification table. In saked the modest of 12 x 87, to which 1261 was instead of the statements were made. If Kersh remarkated the state for the interest timed ruest have been extraordisary, yet he caper wordless such powers. On the caper

Bullion Leas Variable father took him to Mentralian W. school to some cabiliited. Of his parformances have Colburn since only three countriess. "Which is the most, inter twenty-five, or twice live and twenty if a 25 or 2 a 5+ 2071

Ann. -- Twice twenty five, Which is the most, six dozen dozen, or half a dozen dozen 40 x 12 x 12 or 6 x 127; Ann. --- 6 dozen dozen, it in a fact, too, that annularly asked have more black bears would make the white rose? Acc. 5. If you skin them," It is at once apparent that these questions do not demand is a joker and riddle-maker of ripe years. If it is really true that the child

PIC-001 CALCULATING PRODIGIES

On the papers of billions, service honorates give a source of A. B., Eng. (1997), and the papers of the papers of



71-140

Among the questions nanwared at Boston were the following: "The number of seconds in 2000 years was required?"

250,000 days, 17, 220,000 days, 17, 220,000 boars 1, 052, 200,000 misudos, Austror.

1. (63, 200, 600 minutes,
10. (63, 200, 600 minutes,
10. (61, 200, 600 minutes,
10. (61, 200, 600 minutes, are 7 arens, harting 27 rows to such
arree, 64 tills to much rew 5 minutes on a fill, and 250 terreds on an ears, how many
terreds (640 occurreds)? Angelone, 5, 100, 500, 600.

At that time be ware a cellul only six years 443, smaller to real and ignorest
of the name or proversities of one figure traveled to appear. We sentited 613 to
been, and still is, as much a matter of a setecialment to bifu as 8 cm to be 5 any
other cord Cod wards in substyr. 11, 800-640 and far are prevained 800 fill selection.

Shortly afterward, on a steamboat porruer up to Albany, a gootlernan taught Zerob the names and the powers of the nice units, of which he had been received "Admitting the distance between Concord and Boston to be 65 miles, how many steps must I take in going this distance, allowing that I go three feet at a mon? The asswer, 114, 400, was given in ten occords. "Now many occords in olevan years? Auswer, in four seconds, 366, 566, 560. What was multiplied by itself will produce 966, 6917. In less than four seconds, 996. Next sweener Zerah's father took bim to England and made effects to secure the ballomage of the mobility. At a westing of his friends the preferrors and once ceeded in raising the number 8 to the sixteenth nover. 281, 674, 678, 710, 776. He was then tried as to other numbers, consisting of one figure, all of which he raised as birth as the teeth power, with so much facility that the person appointed to take down the results was obliged to eniets him set to be too rapid. With respect to numbers of two figures, he would raise some of them to the sixth, security and eighth power, but not always with equal facility; for the larger that products became the more difficult he found it to preceed. He was asked the square root of 105, 929, and before the number could be written down be insceptsixty assessed \$27. He was then remeated to name the cabe most of \$10.534 and

more operation of his mind.

Collary is solidability the one referred is as the Rastian boy in the Continuous Collary and Collary is collarity to the Continuous Collary in the Continuous Collary Col

The follow and son, after a risk to feeland and Rechtard, returned to Lendon. It 184 they proceeded to Paris, where the people metallizated very libra interact in his calculations. This register he can early septem by a supliced delect of character or a creating historical avera. "Whiteher it were principally using the individual returned and higher and highers of the French people, or in the patient affect produced by the defent of these trains on in the restorations of the well-to-french and the first produced by the defent of these trains can the restoration of the well-to-french and restoration and the restoration of the well-to-french and the restoration of th

He was introduced to and commissed by the mandsors of the Freech Tastinate, a among whose was La Flace. "Three months had now elapsed that he had not been antibited, but had given his attention to study, even in this short appeal to was observable that he had lost in the outsideness of his engeneratories." Believe

long his calculating power left him entirely.

By the coveriese of Warbington Erring, at that time in Paris, the boy obtained
softmission to the Lycourn Suppleon by Royal College of Heart IV. | Marsh gives
no interesting second of this institution, which was under strict military disea-

an interesting accessed of this institution, which was under strict railitary displace, and also of Westminster School, in which he was placed not his return Ergiant.

Being in firancial straint the Indoor suggests the stage, and so Zeroh ran an assessment attempt at acting. Thereafter, in 1821, he starts a private

school, which was given up after nomewhal nover than a year. After his rature to America he prised the Congressional shareh, has new seed over to the Methodistics and began to hold religious meetings. If was considered shareon, and absenced thorsected was not literated presentable, tills, in 2006, he was appointed a continued to the continued of the continued o

If it is the remainded fillal Colonier's elabolizing powers, each at the view of the property of the property

Baptir and Utils more of its banks and feer, south larging completes sundersymmatic and understand homes. There have the largine of ladds "Westbert this best and understand homes." Even howers in terms of side of the "Westbert the best in the contrast of the contrast of

reason. Tils Breit and cely isstruction in numbers was received at about 4 years of age. Error, his object boother, from when he learned to count up to 16 and then to 100.

In arraned monetle, "he ages," he reposition the process jet counting up to 100t.

and boost that by strepting at 10s, and repositing that every time, I contride by to 10s such quickness than by gaing site arguing through the merics. I contride by the 10s such quickness, I contride by the 10s streption to plan a simple presents, that I gathed the attends traperties to it. Seemed it made me per foothy familiar with sumbserve gain 100s, ..., at this time of bids not work to be a simple present to the seemed of the seemed to the seemed of the seemed to the seemed of the seemed to the s my own way, to acquire the multiplication table. This I arrived at by getting pear, or murbles, and at last I obtained a treasure in a small bag of shot: I used to arrange them in squares, of 5 on each side, and then on counties them throughout I found that the whole number amounted to 64: by that process I nuteffed not select out only as a matter of measure; but as a matter of corriction that 8 times 6 were 64; and that fact once established has remained there undistarbed until this day, in this way I acquired the whole multiplication table up

somethark by change municipal a new and the law estantished the bestandary by

While remaining at the force he received so instruction in arithmetic beyond. describery scrape of information derived from purpose who came to test his powers, and who often to detay so gave him new tilean and encouraged the further appeared alreast incredible. "By degrees I got on until the meliticle arrived at thousands. Then ... It was embaland to me that 10 handrads regard 1997. Namepretter beyond that noted as nerv streets as its features; 5000 recally outs on to 18, 000 and 28, 000, on it is simply 10 or 20 repeated over again, with thousands at the end, instead of nothing. So by degrees I became familiar with the numeraties table, up to a million. From two places of figures I got to three places: then to four places of figures, which took me up of course to tens of millions; then I ventured to five and six places of figures, which I could eventually treat

with great facility, and as already mestioned, on one occusion I west through artification. This was an exofitable for the father that the low's education was "Suppose a cistory capable of containing 170 ralloss, to receive from one each 54 millions, and at the same time to lose by leakage 30 millions is one mirate; in what time will the said claters be full?" "How many drope are there in a pipe of wine, supposing cark culto inch to contain 4585 drops, each gallon 231 techna

others the famous Remobel came is 1917 to see the "Calculating Roy." motival price in 1922. Later he externel the Ordenne Survey, and they was London telegraphic system. His greatest work was the construction of the Viztoris (London Docks, Builder was engaged in root of the great railway contests room." He was a prominent member. Were President, then President of the taking the velocity of hight at 190,000 miles per second, and the wave bought of

444, 433, 651, 286, 930 ."

The fast that Ridder became a highly obtained man, and one of the heading applicated all foliarly that the power becreased rubber than distributed with again and above all., that he has given a clear and instatemently account of how he obtained and occurred his tabler, respectively he to entire the highest work, and provides the solution of many of the dark problems may within the creating the solution of the solution of many of the dark problems may within the creatner may be a solution of the solution of the solution of the solution of the collection would not still helder registra this methods, and than only in the cleanary as the solution of the solution of the solution families. Just the part we can

It is the avertage to the pleasife states that he displayed given holdly it was the third to the pleasife states that the displayed given holdly in the test failing in all septing measures of these figures. This seams witness was present of no contribution of the low in 1510 by several Cardeleign some. The season rough the log growth contribution of the contribution of the contribution of season rough the log growth contribution of the reposited like the contribution of the contribution of the contribution of the contribution of the reposited like the contribution of the contribution of

tities he could not explain the processes by which he worked out long and intricate mann. "It is ordieft this in the earner of the years his prover of monoxy and calculative stant have been gradually developed."
This development means to have been stands. The following series shows the moreouter registry with which he answere same:

1.00 (if pract of ages. What is the following it I.4, 444 for 4, 444 days as.

4-1/20 per amoun? Ade. in 2 cats., L6,144, 36s., b-1/64.
LBT GD years of agrs. New long words a common 1 mile code be filling, if receiving from a river 120 galloon per minute subout intermination? Ana. in 2 minutes—years 14,384, they 25, bears 12, minutes—6.
LBE GD years of agrs. Levide 456, 506, 433, 503 by 5,070. Ann. within 1

Sir Wis. Barehold pat the following question is the low. Light breach free the sea to the earth in the many, and the same height (6, 143, 00) miles off, if light would take on years and it more than the same rate frees the reacht from the reacht flood star, how the is that that frees the earth, reckning 60 days and 0 boars to each year, and 14 days to each most 7 febr., 41, 500, 500, 141, 500, 600.

Contract seconds to the fact that Dibber and Coloron mel in Developing.

underwest a consequently a constitution, the cracity of which in said to have been so
likely and a consequently a constitution, the cracity of which in said to have been so
likely. Effect of Literacci, which know likings from the lines they more fully
marked in the likelyings, any he was a man of first-rade intervees a hilly and at
rapid and other insight into what would pay, aspecially in radioug markers. As
a proved of his naturement we can except the fact that Bidder becames a wealthy

The Hidder family seem to have been distinguished for meetal traits resemthing Deerge Richer's is more part or another. Hidder was noted for his great antidevastical solitily solve longeral sources, One of his brothers was an excellent mathematician and an artisary of the Royal Enchange Life Assurance Office. Her. Thomas Trechtald, an older brother, was a Unitaryia metaster. He was not remarkable as an artitizations, but he possessed the Bibbler memory and showed the Middler inclination for Egorea, but lacked the power of regid exicultion. He could speak agreed say shed to the Hibbs, and give chapter and warrie. He had long relibected all the days he easily, not only of historical persons, but if weeplogdy is low when a previous may born or married was a record.

One of George Bidder's rephase at an early age posteriord remarkable recoarded Ingentity.

Most interesting of all to the partial transmission of his peopliar faculties to his see, George Bidder, Q. C., and through him to two grandelizidron. The

to be see, George Bibler, Q. C., and through him to two grandfulfron. The second sea was a first-class man is classics at Oxford, and Fellow of his college. The either Bibler, thorever, possessed the procedure involves of the family in such proportions that he far exceeded the others in calculating powers.

The day of a psychological analysis of the power of arithmetical profitiges could be to dotumina the processes of which wells preven consist and to establish a series of graduless from the normal to the absumes. It lies, however, contact of very precess tasks to reversigate the fundamental arithmetical processes, though just these concesses to older a means of clearity systems of arithmetical association, viv., which for our perpensions for market and arithmetical association, viv., which for our perpension we be reserved as not

required for the shifty to recision regardly, classe remarks: "Two things reast to distinguished here, a powerful censury for figures and a real shifty for sal-culation. These are really two qualities entirely independent of each other, which can be until that a ready so." Edder's option was "from mental calculation depends on the facilities of the sind in structures appropriate calculation depends on the facilities of the sind in structures appropriate calculation of the sind in the sind content of the ready redessance, we shall all accordingly also the sind in the spiritude of the ready redessance, we shall also content of the sind in the spiritude of the ready redessance, we shall not consider the sind in the spiritude of the ready redessance, we shall not consider the sind in the spiritude of the ready redessance, we shall not consider the sind in the si

mathematics, precedity and translation.

Memory. Perhaps saide frem proceedly the most remarkable lact in regard to ready recincere is their power to do long calculations whilly in the mind without making a mintaken not to this would be placed the weekerful rapidity white some of them have above.

According of Memory. —The performance of long calculations in the mind.

depends above all as the accuracy of the memory for a milliplient longth of time. For longer periods of time there accuracy considerable variation mayor the several calculators, and indeed this power is not an absolute overestilly.

Button had perhaps the most accurate memory of all. For example, he gave from some or a second of all the also on circum bear that he had on free court.

trees are supplying the property of the control of

seaso use usual is recursed or injurie. "Trough storregion in on progress or the calculation and suggard in discourse upon any other children, the operations were not thereby in the least deranged to us to make it necessary for him to begin again, but he would go on from where he had feet oft, and could give any or all of the stages strongly which the calculation had passed."

Of Date of its related that, "habe recording that is not received weetlesses."

Of Danc It is related that, "after specifing half as hear on fresh questions, if asked to repeat the figures he began with, and what he had done with them, he

would go over the whole correctly." Half as hore after using the two numbers mentioned on p. 45. It was asked if he remembered them. "He instantly repeated the two numbers together one a number containing 55 figuress forwards

well to be seen that the seed of the seed

Although an apourate researcy for a long time may not be possessed by some aged calculates, he must be able to resize before the scale with shouldest accorrage the results of the varieties processors performed till be has intuited the recommendation of the processor of

probably did his work from left le right. Cellhum's explanation shows how be began with the highest demonstrations. "The large marbers bound first are entity restrated because consisting of no many ciphers." Ratice explains mits budgering at the left is easier and secondary. "I could author remarbor the flagres lin the ordinary way of multiplyings, nor could i, such a particular and a particular occuration, received an earter of those of customs be agreent effect, on a particular occuration, received as norters of those of

Ingures, but is mostal artification you bugge as the both hand extractity, and you manifolded it has confident good one after the represent our the rition in time. The models that confident is the result of the representation of the rition of starting and the representation of the representation of the representation of the representation of great the representation of the representation of the representation of the representation of starting and the representation of the representation of the representation of presentation of the representation of the representation of the representation of presentation of the representation of the represen

....

previous results being connectively effortunated until a virial grodest is obtained. In trying to find the herodrical seed by those men as a recomposed by our temperature of the property of

owned in mile, norme and possals in a ret, and on, passe and firmings in a good affecting, one. These were always result for one who they could be agained with advantage. ... Begins in the required to the firm under or descriptation of the control of the control of the control of the control of the statistics of the control of the c

reagained out visualization and passages. Verify most property by petiting the property and order that from memory at the change cold and their protect. Debtohr could be a whole ordered or better of what from memory. It is related that the protection of the change of

previously thought and worked out."

Date that a prosidious manuscry for everything this given this the power of performing line providing line methods in the department of t

Institution. One provincity in the imaginative powers of the erithresisted products in words of eventure, margin pair visual images, the fines and, "To justifice a said, "To justifice a said, "To justifice a said, "To justifice," I can consist any of said products," in our constantly in always proceeds in a visible form; in ory saids, indeed, I can consist of one case way provided a delay measured arithmatic, "This was a special case of his visible inspiration, the had the healthy of carrying above their first a visible in seasons, and in the content process and diagrams, and the whole the first and the said and in the case of the content process of the cont

PIC-002 CALCULATING PRODIGIES

he was occupied at the time. This faculty was also inherized, that with a very requirable difference. The require fidder thinks of each supplier is to be definitely place in a nurbur-form, when, heaven, he is occupied in nulliplicity to the control of the control of the control of the control of the fider of locality is the service for the moment whose or of promisence, he a number form injurious to calculating movem? The father seems to have accuraged and used his figures as the pleased the see means to be therefore to

the industry or the rightness to make apertual passes. In our state to extend our the term through the term of the calculating power is still further reduced, also possesses a number-born. It whom the calculating power is still further reduced, also possesses a number-born. The calculating power is the calculation of the calculating power is the calculation of the calcula

the multiplicane by each figure of the lower line in their relative order, and state as on opper worll the final product was found. From this it is reasonable to suppose that he preserved a mostal image of the sum before bin. Of the other calculators we have no superior. Otherwise in general do thete

mantal problems in this way. Thise relates of one, that he naw the numbers he was working with as if they had been written on a state.

The well-known case of Goethe's physics, the case of Petrie, who works out mans by all of an imaginary stiding wite, the chase-players who do not see

PIC 002 INAUDI, THE CALCULATOR

ARRESTABLE RESPONDE ARRESTORS 44 (20), 1690.

A few years ago we spoke in these pages of a twelve-year-old shift who had

been presented to the docted of Anthropology on a presign of a new Heat, and the preferrant blue legacy and mean congenitudes obscitations in the heat. The many the translation of the present of the second of the second of the translation of the present of the second of the second of the second conference of the second of the second of the second of the second conference of the second of the

been pathioled by Dr. Marred Bandolin.

Bandi was born as the 18th of October, 1907, at Ocerato, in Piedmont. In the country of the satirity, he, thus Bonn Handeson, asother celebrated calculator, began by gaseful golery. He coon fellowed his father, who played the cegan is the varying citize of the south of France, and it was by similarly, and without

We began to exhibit himstelf is a orde at Marnetillee. His reputation room tocreased, and in 18th he came to Parin. He was then treatre and a half years of ago. He was substitute to examination by Broco in the seconder of the Society of Asthropology of the 4th of March. After this spoth he made the terr of the



Parts. He was presented to the Anadegy of Sciences at the secrete of the 9th. of February, 1880. Dr. Marcel Sustein, who has submitted insuff to a special examination.

We must now make known what extraordinary feats bought is capable of performing. Stunding upon the stage near the prompter's box, he term his back to the blackboards placed in the year of the stage, and upon which the manager writen the known quantities of the problems street, in order to parcel the endusers to take account of the culculations offerted. With his hands creased upon his obest he historic with extreme attention to the question abtracted to him, remain it, and has it remaind. If opcompany, until he unforestants it perfectly. He harnahas a correct solution abroad (remediately, without country to look account two the faces of the encountrys, without writing arething the power writes in calculations and without helps disturbed, whatever roles be made. Do you wish so example? He adds in a low seconds seven sumbers of from eight to ten figures, and all twenty-one figures in a few suinates, and as quotely finds the square cost or the radic root of a member of from girld to tealer flowers. If each number is a new cable roots there is a remainder. He finds, too, with incredible celerity, the sigh or asycoth root of a regretar of secural flavores. He purfernes as associafinding a solution of problems that are very difficult to solve by arthropic, he renalls, with reset comurkable precision, all the figures that he has had to

Our flaure commonents Insuch at the moment of his opportments. While the calculators standing behind him are performing upon the blackboards the soursples given by the spectatory, Insudi, without ever looking at the boards, talks

with the specialors and immediately selves other small problems. Some one anks him, for example, "On what day did the 11th of Japoney. 1787. Init ?" He

provers at eace. "On Thursday." And the poswer is correct, as is revilled by the releasation that he reads await the seaso and while he was talking. Errors on

that he always proves the operations that he has had to perform.

Broca, in 1880, was unable to get an insight trie his processes of multiplication, and this he confessed without any circumforestee. Now that Issues possesson a well developed tetalligence, he explains them without trouble. While we begin to perken from right to loft in multiplication, he proceeds, on the contrary,

1. 200 v 846 150,000

2. 200 x 17 3, 527 x 40 21,000 4. 527 x 5 2,635

Attenuiter. Sur realisations and one addition. All this is done in a few But freedt is not merely a calculating machine, for he is also expable of doing

the work of a true mathematician and of finding by arithmetic and tentative methods the solution of problems that are usually selved only by algebra. The manager ignists upon this point, and he is right, and he while that it has been thus presence gatte complete problems, which, worked out is thin way, necessitated amosting rapidity, like the figures of a kaleidoscope incomments in motion. The difficulties that he has recently surmousted in this seri of exercises at the Acuor the Sorbeans, and at the reprinter's office in the presence of the minister of sabile testruction. Mr. Bourgeoia, are truly colonial. The stronger mathematictors of our time, even Mr. Poincare, whose competency in such matters is well known, have been obliged to recognize the fact. Let us add, further, that he is capable of retaining figures for morths, provided that it to realizable to do so, or that he wishes to fer any reason whatever. Then he classifies them in a special trasser. It takes him a minute to commit to memory a number of tweatyfour figures. Issueli has had several predecessors, and it is not the first time As long ago as 1840, Heari Mondoux, a young calculator, was presented to there. Life Inaudi, he was a young shopherd. Been in the neighborhood of Tours, of conveniented in this way, but he was unacquainted with figures. After having for a long time practiced alone is the fields, he offered to from whom he mel to solve various problems. Mr. Jacoby, a teacher, remarked him and had him

hat, and wooden shoes. A little before this the Academy had exercised a tayloryear-old child. Vito Manriamel, who was born in Sicily. Armso proposed some difficult problems to this child, who solved them montally with the greatest case. "Lightning" calculators may claim as their appeator the Englishman, J. Barton, who toward the middle of the last century entoyed a great celebrity. He.

ton, was an illiterate person, who began his reputation in his childhood. He culthe almost absolute identity of the conditions of hirth and precocious development

arritment artification from thermosters, and have been difficants. There is here a

PID-993 A CHICK CALICULATOR

in Kentacky, after an obsesse of some years in the West. Thelds is known for and wide as the "Mathematical Profess." and Indeed, he is a anadorical creature. Perfectly illiterate, not being able to tell one letter or force from snether, he bears the sume relation to the science of mathematics that Mind Tem does to respic. Fields in now about tweety-wight years of see, and his when he was sight years old. That farrily continued to develop until he is able to solve, with amazing rapidity, any problem to simple or compound fractions, or saything in the higher branches of mathematics. For instance, the races is a certain number of miles from the earth; a grain of corn is so long hew many grains will it take to connect the points? The answer to this or any other problem comes like a flash. He can also tell to a second the time of day or night! This marvellous man has been tested by the most owner multi-matterious and him if not properly used. The possessor of this gift never went to school a day involcing their mode, and in this business he has been known to keep a secore or has a look the resurns of intelligent. Having no occupation, he from manner his presalatances, putting up wherever night overtakes him. He is very proud of his gift, and frequently compares bizzaelf to farnace. Fields gave an exhibition Missouri on a late visit West, and they consider him one of the greatest wanders of the contary.

PIC-004 CALCULATING PRODIGIES

PIG 664 ANOTHER MATHEMATICAL PRODICY Afflico., N. T.; Scientific American, 64:276, 1860.

Shorting count in years light contract an executed of which many presentation is sufficiently and sufficient an

going registrate or "The distance/resum of the state in, in reason tenthers, "Excellent, live content is sent of distance prices in the content of the state of t

PIC 005 [13-MONTH-OLD CALCULATING PRODICY]

In 8. A, Ottowager, in the dissipational fractivation in 20.1 Medicarchine as it has grantly, Ottom States. No Million Carloral ordifficers and interest and the contract of t

PIG-801 HIGHER REACHES OF PERSONALITY: INSPIRATION AND GENIUS

Tyrrell, G. N. M.; The Personality of Man, London, 1944, pp. 30-36.

of the horsex mind, which have borne pre-emisently the stamp of criticality and greatness, have not come from within the restor of contributions. They have wholming power. This fact did not escape the keen observation of Socrates: "I soon found, " he said. "that it is not by wisdom that the poets create their works. but by a certain natural power and by inspiration. His mortheavers and prochets. who may many fine things, but who understand nothing of what they may " How comes it that the finest products of the raind are, in this sense, entramostel ? What is these sortests connection which our confuse them? Then come, not only with power, but often with something excile and other-worldly

Hymn to Intellectual Beauty, Shelley says: Sedden the plantow fall on met I shricked and clurped my bands is contany.

And there is also a sense of revelation. In Most Blacche earlains: The task of consciousness to not to create but to seize this tarush and express

it. The difficulty is immonse. What comes with halfling "altogetherness" has to be apread out in sequence and put two words. Trelaway records how Shelley number a room with account about of monouncint boulds him. "It was a frielectal over and over in tiers and all run together. . . . It might have been taken for a On my observing this to here he navagared: "When my brain outs heated with thought "Postry," declared Shelley, "is not like reasoning, a power to be exerted according to the determination of the will. A man careet say: I will write poetry.

The greatest poet even carnet say R." One after another the great writers, poets and artists confirm the fart that their work comes to them from berned the threeheld of consciousness. It is not as though this material came passively floating

said also that he had 'not been swore of the bounty of some thought or empression until after he had composed and written it down. It had then struck him with George Eliot told J. W. Cross that is all that she considered her best switter. personality to be merely the instrument through which this opinit, as it were,

George Sand, it a letter to Flanbert, age: "The wind plays my old harp as it lists.... If it the other who sings as he likes, well or ill, and when I my to think about It. I are alread and sell sayed that I are softing, redsing at all." Mexicon flares confence that "before writing it do these which I was existent.

to write while writing I saw that I was writing things I had nover leaves.

Gesthe said of his possure. "The scorp rande not set I their..."

"Wardworth told Denaze Free that the line is his ado beginning: Tallings from as, vanishings," which has since peaaled so many readers, refers to these

from us, numbrings, which has since passind no many readers, referre to these transcribes states to which he was no one time and/oct. During these removes the world pround him seemed usual and the post had consticutly to use his strength against an object, noth as a gatepost, to reasers thisself. And when the power would not ouns, the conscious rated was beginner. "William transl himself with humanisty and pussage," were thought bringless. "William transl himself with humanisty and pussage," where the bound's brindworth. It was seen

has in the power was denses.

Etchan declared that when he sai down to his book, "Some benefitiest power showed it all to him." And Thackeray mays in the <u>Specialized Depower</u> "I have showed at the observation made by seen of my sharedown. It seems as

been experied at the observations made by some of my characters. It seems as if an occall Fewer was moving the pen."
"Egiting, in his astologyagith, relates here in a difficulty be beared to trust the personal "Deerson." When his story, The Tex of Miles, again and again was feed under the hand on the court not set by, be put it sway and valued. Then,

when he was meditating spen something when his Descon vasid: Trend it as in illustrated measurering." and his profester was content. "The "Descont" inherenrance life a somethody than a something, indicating that there is an obsession of one personality which contently we do not show. And what a knew it is alway the complying mind has to take ever the work of the physicontelest flood: "Descontel askil." ".... myto every some down all one life has it." Applied "Descontel askil." ".... myto every some down all one life has it." Applied

brought off it the case off it. It Servenore, also coved an earth is this "Servenias," The object the broad seal that beauty review on all these and the same of t

estillaborate wheat been indeed to a hand person, while I get still be private and as he is a their region I cause prevent his rece as groups of the modifier.

[In the case solves that Dought when he cover, "to be I grantle his, on containing the case of the

the hillings alone one bright surmor day when suddenly there axes into my bend one line of overse—case selfings bloss—Fee the fash way at 8 organ, you see." I know not what it means there I know not shap it manus more test I wrote it 30 ore and seem lines afterwards the roat of the situms occurred to not, this being its last lines and no by degrees, at odd moments divining the sace your or two, the rest of the poon priceed itselft together, that being the last situms. ANOMALIES OF GENIUS PIG-001

Out of this treasure-house much else may come besides the pages of literature and music. Lord Kelvin had a power of divination. He had "at times to device explanations of that which had come to him in a flash of intuition." "Educe had 'a waird ability to guess correctly." "Below states that Ensists, when fored with a problem, has 'a definite vision of its constitle solution." "No Francis Gallon thought without the use of weeds: "It to a serious drawback to use in writing, ' be seen, 'and still more in explaining several, that I do not no could think is words as otherwise. It often happens that after being hard at work and having to concess them in language I feel that I must begin by putting myself upon outs. mother intellectual plane. I have to trenelate my thoughts into a language that does not run very evenly with there." Here again conjectorances figures, not as the originator of thought, but as its struggling exponent.

There have been men presenting cotraordinary powers of grasting intuitively. the result of a appointmen. Bidder could determine mentally the legarithm of any number to seems or eight places, and could instantly give the factors of one large number. "He could not," he said, "explain how he did this; it seemed a natural institut with him." Meers sives a list of therices such pursues, two of whom were men of constanding ability (Gazas and Accepted), there of but sheller declariing Bidder) and one, Dase, little belier than an idjot. 'He (Dane could see by ring become; and one, wase, come cover tenn in thost. The course course not on Studie to have the fenant idea of a proposition in Euclid's set he received a grave

from the Academy of Sciences at Hamburg on the recommendation of Guans, for mathematical work. In twelve years he compiled tables which would have occupied must men for a lifetime. It is interesting to observe that the powers of aroun If we turn to music, we find the sums thing. Tchallowsky writes: "Generally

speaking, the garm of a composition comes stockedly and unexpectedly. " "It curses over me directly a new idea awakens in me and begins to assume a definite form. I forget everything and behave like a madman. Everything within me starts paleing and privering; hardly have I begun the sketch are one though believe starts palacing and quisering; second more a segan on second and second more and the major of this magic process. Tobalkowsky continues, 'It frequestly harmons that some enternal interruption valors me from my normarchaliatic state: . . . dreadful indeed are such interruptions. Sometimes they break the

often in vatr. " "If that condition of rated and seet, which we call immiration. lasted long without interrelation, no artist could survive it." Monart says of his inspiration: "Nor do I hear is no inagination the parts nacconstanty, but I beer them, so it were, all at once.... What a delight this is I cannot tell!"

"Wagner discovered the opening of the Sheingold during half-sleep on a rough in a hotel in Spenia; and in a letter to Press Westerdorck he redere to the binoral directs-state into which he falls when composing. "George Sand, after describing Chorie's creation as wirecotons and coming on his misso suddenly complete or singing in his head during a well, more than afterwards began the most heartreestry labour I over may. I have a nector of effects, of irresolutions, and of freelings to poize again cortain details of the

theree he had beard, he would 'what himself up to his room for whole data, were: ing, walking, breaking his pens, repeating and aftering a bar a hundred times." and speeding six weeks over a single page to write it at last as he had noted it "Setal-Serve had only to lister as Secretar to his Decrees " "Satel-Same had only to lister as Socrates to non assenue.

F. W. H. Myerr, in his essellent objecter on Gerias in Human Personality.

Satel-Same vocative septiment. "It must involve

many that, to be greaten, a work must surjety two requirements.

PIG-002 ANOMALIES OF GENIUS

itself sufficient to constitute region. Things your color into consciousness from

without which are not of a particularly admirable kind. Genkus, on the other hand, has been defined by Carlyle on "an infinite expectly for taking outer." But taking naion will not by itself induce imperation; it is more likely to kill it. What, then, constitutes genius? I suggest that it is the evaluation of the two at their best. First the idea most well into consciousness from without; then consciousness most takens to commercit. This needs so Tefferite cornelly for taking nature. great through it was be suppositive of greatness. Portuge Coloridge's Ribbin Now was an enwoie of this latter. In projus, inspiration and intelligence are uriled.

Where does the material which forms the centent of an inspiration come from? Has it entered the mind at some time through the healthy season? Or does it come from courses unknown to us? Let us consider next nome examples of what occurs in states of religious resultation. (pp. 30-36)

SUPERIOR INTELLIGENCE IN PATIENTS WITH NERVOUS

Schott, Emmett L.; Journal of Absormal and Social Psychology, 26:94-101, 1991. A curreful review of the psychological and psychiatric literature reveals that

from the living case study approach which we give to it in this paper. In fact, to cludies byend espolacentric evaluations on a group of individuals of superior recount or mental disorder of more or less marked degree. However, a wealth of interesting articles and books are available on various phases of the closely voluted subject of the affered relation between grains and insurity. A considerstice of those works region as realise more and more the scientific advertages of attacking the problem with living subjects for observation instead of depending upon biographical material that may have been written by personal friends, or ince but too often these materials are limited and colored by income rable factors. Hence, we have undertaken this stady with the hope of gaining nome Breinhard information on cortain phases of a problem concurring which there has been considerable controversy because data are lacking.

The problem to which we refer can be pointed out more clearly by mentioning the studies which have been made in related fields and by piving a summary of the various points of view. We have sated in a pourious report that Terman divided the earlier stailes of genius into three stages--- the method of the first

stage being primarily impressivation and accelerate of the second, inductive, and of the foliarity fraces, as to Catalitie "American Men of Science", the first ceiting a "Marie and Men of Science", the first ceiting a "Marie and the second men of the first ceiting as marie to be ceiting a "Marie and the second men of the second men of

cent unit solvenist has the through trevellingthis to glitch eitheres. Several of feature in the areas of the relatively sor prisons of perhamsteric evaluations have been engineer detectively in a smalter of those recent trevellingthines have been engineer detectively in a smalter of those recent trevellingthines for Nov. It has been everable on on the most enquire terminative of the Co. Nov. It has been everable on the most experiment of the second and instatty. In the paper excited "Manifestations of Maxio Depressive hashedy to Elburry Details" with fur inferences and automatest pointed from nearous and instatty. It is not the second of the second of the second of the second of the claim of the second of the claim of the three was a very observable present of this of two which to produce all the second of the secon

'Great wite to madness sure are near allied.

And this partitions do their boards divide. '
A second point of view with a nember of adhervorts is that pentus is a neurosis.

These which received the "meant of the latest experience of inclinents," and the latest experience of inclinents, and the latest experience of inclinents, and the latest experience of inclinents, and the latest experience of inclinents and the latest experience of inclinents, and the latest experience of inclinents and the l

nor marker depressions superhases were the most bequested type of marked dissources. The superhase was the most bequested type of marked dissources. The superhase has the superhase dissources and the superhase dissources and the superhase dissources and the superhase dissources of marked selections of superhase dissources of superhase dissources of superhase dissources of superhase dissources and superhase dissources are superhase dissources and superhase dissources

Another contraining strictle that gives a nearmary of the literature on the adoptent of genium which appeared between 1914 and 1900 in the one by Terrams and Chan estitled "The Physicketty, Robing and Pockagory of Genius". Agent, and the contraining the Company of the Company of Genius and the referent appearing in the Twent-Aller Wannelson of the National Society for the Staff of Exhcalters. This mather intensive interest on the part of ofestation has been accompanied by much experimental sheets over still place infilters. The Hollingworth. Cox and Terman and his associates. These have rapidly become rather widely read. The view out forth, marticularly by Terman and Cox, that

"ponten is expectionally stable and well balanced" or that "the instability of control to a every, but here extend to accompanie In a series of three articles appearing in 1928 and 1928. Willy and Labrain

are to come our fature men and women of greats in all lines". They neist our that 'It has not been recens that every either shift is necessarily a poster' and also that "it has not been proven that every recognized grains was a gifted child". They are lifewise as strong in giving criticisms of the opposite point of view.

use their errorctions are nucked up by spectific cases, note of weight newsyer, subjects which they have studied personally. It is relative to this conferences that we have one stady contributes data of some significance. Throughout the past four years we have personally made neverted original observations on approximately 2,000 adults. All of these individuals were at one time

policets under observation and treatment in the Division of Neuropowekistes of the Riget-Simon Test. A frequency shart of the I.Q.'s of these 450 adults shows a moderately normal true of distribution shawed slightly toward the lower and of the scale. The median 1.Q. was 10.4; Q; was 163.6T; and Gs was 16.1. At the corner and of the L.O. distribution for these adults we have adulted comes with 1. Q. 's of 120 and over. It is with those eighters subjects that we have concerned

If an adult point as I. Q. of recre than 120 on the Stanford Street scale he want none every test on the examination. The arrangement is such that this gives him. experter abilitievel. They also repayed size and too figits browns and make backward where cells eight and sensy powerflests are received to the historic tests on the scale. They did these things with such ease in most cases that we Terrana. This gives each up L Q. of at least 130. We were able to secure re-Stable I. Q. ratings on several of these cases from schools where tests had been given to them, during their childhood or adelegated years. The L Q 's thus ob-1.10. It shows 140 at an earther lime, we mad such marked minimarity in per-formance that we full particle that all sinkings of there would without manufact. deserve 1. Q. ratings of 140 or over. If we had but adequately standardized tests

for year presenter adults this would recite rephably have been true. Assuming then that we have a group of individuals comparable in L.Q. to the what has been said about mon and women of gentus country from such groups. Let an see what we have at close range. It so happens that size of our subjects are

women and also of them are men. The age range for the vocane is from eightness to brothy-five years and far the men from nizations to filly-four with a median of tweety-view for the women and thresh-sink for the men.

The occupations of these institutional priors to heapitulization were as follows: makes: ——) meall business for early.——3 temperguisher.——3 (papers) forestand.

states, ——); recall biscinose for self.——); tenegrapher, ——1; highory forecases

——5, and one self-the relativey and thick, stelled subsche, range decore and

——5, and one self-the relativey and thick, stelled subsche, range decore and

finished the relative self-the relative terms therefore the relative terms the relative problems one half they decore and the relative terms from their terms be record and

for the relative terms of the

them, had been of superior type. Some exceptions, however, were obviously minfits, minuterationd and maladyanted pupils.

The primary psychiatric diagnoses of these cares is that approved by Dr. Thes. J. Baldi, Chief of the Division of Neurosurchiatry of the Beary Ford.

Hospital. The following distribution of diagnoses was found.
Psychoneurosis 5

(Atalety type, ---2; ilystorical type, ---1; flypochosdriacal type, ---1; and Atalety-Hystoria, ---1) Psychopathic Personality, Acquired Constitutional Psychopathic Personality

Constitutional Psychopatho: Personality
Gradequate type with sobtaod Ireads, ---0; with Homosexuality, ---1;
Manto Depressive Psychosts
[Tosted in hypomatic phase:

Anglety Rate, M[51] Symptomatic Hestal Depression Epitegopy, Idiopathic, Grand Mal Encephalitis, Chronic Epidemic

(Tabelle 1990)
Total

ested with recognized organic disease, while the others are more strictly payshipting disorders.
When we think of the diagnoses in light of the occupations we are struck first

When we think of the diagnoses in high of the occupations we are struck first by the fact that three of the pictical were in significant by inductive law (the section). The nay be suggisted and in suggesting personally types, in term to use critical in region and in the contract of the

treated institute every ser even infletelial by their association is courtied next in such as selected their own fit the ourself applicated nature of rainal, not their control of their control

to eign was minus 2.5. This is within the accepted average range of minus 10 to plus 10 per cent, but in in the opposite direction from the implication is the atlantant by the sufferior mentioned store. However, In: Beary given librariety evidence to show that mentioning resonance way with different excellent states "regardless of the personality standards". Honce, there is obviously med

Without going less the sentable case records of these politicists in the paper, it is a consider the sentable globe to less when should send the feet fails. We record that the confidence of th

summing of adoptics. Displaces is a pure case of the field metabors of context. The context of the field metabors of context. The context of the field metabors of the context of the cont

1. O. T. EREMÉTIC VAN EN PROCESS. Home, we have beenen more errined it arrives the expense ordered and how charged elft increased address that the expense representation as many new how the hard and the expense of the expense of

very superior instilligence is bound to be equal to that in the general population that is about 4 per core. Buth that individe no cancal relationship between intellipence and instability, but rather an independent variability.

PRICOSS PRYCHOTIC ILLNESS AND ARTISTIC PRODUCTION Caretains, G. M.: Nature, 194:1612-1014, June 16, 1942.

Mental Wiress is no respector of persons. It afflicts rich and poor, intelligers and stopes, the gibed and the untalented alike. From the putters's peter of view, its visitation is unually unvectores, bringing outfloorer and hundrage

bility. Like the artist, the psycholic sees the world differently from ordinary more for him is often assumes a personal, or a threatening, implication—but showe all it is full of the outerparted.

In our everythic life we tend to surround ourselves with funditar things facilities right, seconds, contines, gostorares and familiarity dells perception. We restor this when we first errise in a structe country----the sights and exceds of that first day are more vividly registered than they will be in a few days' that acuteness of percuption which für Hechert Road has described as "the innocost eye"; but the schizophrenic's awareness is not just the freeduces of a shiftly reflect on the model. It is a heightened appropriate indeed, but one heightened by dread. He is aware of an element of threat in his secretedings. This is especially true during the active stage of the illness, which will sometites a especially this during the active stage of the titless, which tieses cover with respond telepative offers a seried of relative color.

The depressed patient lives in a world drained of hije, colour and hope. He to painfully oware that he himself has changed, and he is filled not with solf-pity different his state accuracy compansion in otherse. but with salf-justice which ray lead to self-destruction. Fortunately, severe depression is a disorder of life analy. This was the emerience of one of the carriest notation whose

mental Silpose has been fully deconvened.

decoration illustrate of complete intensity. He achieved collectic while still Ediaburah. His Tringiry Altar from Holycoethouse technics poetraits of James exhibit to heats of decreasion and. Title many degreesions, he began to detak to raneas in an attempt to relieve his feelings. At the are of thirty-five he tempore arily renounced his vocation and retired to a mongetery. It was not until five years later, however, that he became fruitly decaped, crying out in degrate but it was only gradually that he returned to something like his former state. In 1461 he was able to paint again; his Death of the Virgin (Brupos) was completed the the typical solf depreciation of the sufanchelia. Critical wise after the

revelation of his sectious illness. Name a different region in the case of Director/Olife No. 100 ton ton a rase autail for practicious gifts and enceptional energy. Born in Venice, a son of a stoneconess, he was already drawing the buildings around where he lived at the was arrewalford to an uncle who was on architect, but his early years were punctuated by violent disputes both in Ventor and in Reme, where he stadied for

a tires under Tierein. He reservalled with his souls, with his father sad with often a control to better this days, and not on the assessment's workshop which were cietà ha recebrat marchy 1, 100 stellione, many of great correlative. Eve agrandcogM. he produced meanly 1, 200 exchange, many of great complexity. For several perserutions his visious of the antiquities of Rome were the models for teaching in overy Daropean school of architecture. In 1745, however, appeared an entraor-Overy curopean sensor of architecture. In 1740, newerer, appeared an entry direct series of elektrostocache Coroner d'impresione, or Imaginary Prisons.

Six years later, when at the buight of his sureer. Piranesi returned once again to the <u>Careerry</u> and leverally own a second edition in which the fusional prisons are were more designedly indexed. The arm and sitting that believe. This prison was a proper of the proper of the proper of the prison of the priso

a manu-dependant who supprissed optimised on elementaria. The prival flustration planter fragrance optimised to optimised by our anisotrom in its first prival flustration planter fragrance of the prival flustration in the product quarteristation reast, involved to obtain and pursued by limited between the contraction of the prival development. It is reconstructed to the residence of the prival flustration of the prival flustration

Gold introduced to cover support, and even in the old age he was based by the of which we do the next certified in Editional Description (in Editional United States), which we do the next certified in Editional Covering in Editional United States, Only these is harge that plotter in his desing-room. Melabodici is a compilion seek her on our results understand we have all occurtions and the second of the covering the second second therm and quite undestined the distortion of results. In the spectral testing about his arms and quite undestined the distortion of results, the testing of the second the protect plotted commations the one of the second second second second the system's below the commandation of the second s

phenomeno. One is correctled as model is about a last represent contract, and it is a statistical of the behaler. Each feet in the present contact patients of the account pat

record of a videal achino-affective opiosed is the life of an anonyment Victorenterlanding from the contract of the contract showed considerable technical skill: but during her subtrophrents illness her Later, as her personality railted sgate, she expressed burself much more coherertly in a finger-painting of two stablesore faces

These series of paintings have shown the artists' structle with the illness. which threatened to courseholm them. In a leaser degree, pechaps, all not is, an affected to excrete an timer disease; certainly Frond was not alone in his experience that a period of restlessness and raises ill-bealth second to be the

There are a number of defences against the achirophrenic nightmars. One of these is to rully one's intellectual resources to an afterpt to deline and con-

tain the threats which arise in phantage. this is the obsessional defence. You pateters have been so constantly annulled by floor monsters because in the sleep of reason as Hierocarapus Boach. In painting after pointing executed with autoriables reservation of detail be has centured up a whole universe of decrees. His bastiany, of course, is drawn largely from the traditions of the Middle Assabut he decleted them with a new seeme of unpower because he was permusical than the fate of the world and the deatiny of mankind hung in the bulgace. It has long been known that he believed the alchemists to be in league with the devil to courthrow the world, hence the profusion of alchemical symbolism in his works; but the Brethrun of the Free Spirit, and their counter-symbols can also be found A few years ago I had occupies to treet a young, self-teach Cornellan sylvens

whose pictures chowed certain affinition with those of Rosch, owwer that where, for a time pre-complet exclusively with his own tortured numbrations, his own charitation and his some of being trapped and beinform. He desisted these feelings elemently in a serios of paintings, particularly in one entitled The Moremaze, enclosed with no occupe. In each comparissest of the maze he showed one of his recurrent, norally natural phasesine researches.

This patient won through, after nome years, to a relative peace of mind. He is still polating, but his work has lest its former tragic intensity. Bosch, if one can judge by his works, sever ceased to be termented by his soute awareness of the next which threatened marking. His favorette image, to be found in many of his works, is the owl which represents human fully. Where, I wonder, is the contemporary artist who can turn his "tenamere and"

on the cightmare realities of this era with its threat of nuclear annihilation? We need a Gova or a Rierocoverse Beach to-day to existen our nease of the urgeout of the human prodicament before it may prove for inte.

ANOMALIES OF GENIUS

PIS-064 [SINGING IDIOTS]

Acceptances; Science, 17,353, 1881.

Exputrol called attention to the fact that idicts without the power of speech

normal children in regard to vocal range, nense of harmony, and memory for of the normal children were without musical shillty. This remarkable relative development of the manical seams in idiots, save the Pedagogical Seminary, is the more striking as there is no systemes of any other artistic taste. The practi-

AND PSYCHIC ARROBMALITIES July, Adele: American Journal of Psychiatry, 100: 286-307, 2843.

1. Introduction. It was the challenge of Lembraso's well-known book.
"Cambra and Marial Effects," which stimulated this investigation. The barotiof perchic distarbaneous in these highly gifted individuals and their acceptors. relations, and descendants was the subject chosen for this study. It was begun an early as 1927 and completed in 1943. Although the original German manuseript .-- covering over 200 pages and now in print --- deals exclusively with netiate and octenists of German-speaking countries of the past 200 years (1650 to their we dolt that the country of this about about to reads accountible to the leading German artists and extentions of the 19th and 19th pasteries were deti-England and the United States. The present contribution is a translation of an

The respectude of this study is illustrated by the fact that 19,000 persons were investigated; 254 of these were highly gifted personalities. About 5, 903 people were interviewed personally in the course of 17 years. The creative personalities were divided into two main groups, 113 artists and 181 scientists. science, 112 in materal sciences, 9 in technical applied sciences, and 9 statesyour Argony the theorytical agreeous are included 9 scientists in history, 15

is jurispredence, 2 in educational azience, 9 in languages, 9 in philorophy, and 4 is theology. In the natural science group are included 5 autoencorer. 19 betaulats, 10 chemiats, 4 geologists, 12 mathematiciane, 28 physiciane, 4 mineralogists, 16 physicists, and 8 recologists.

minandogists, 16 objections, and 8 coologists.
The enhygony of the artistics included 12 architects, 18 aculptors, 27 post
29 gaintees, and 26 manistance occupaears only). The selection of the highly
glided percentitions was based on the options of superior in the serveral Britis.
The geographic boundaries were those of Germany prior to World War I.
Bermann hasting. German Schitzerland, and the Builds Schitzerland.

The long analytical section of this paper is omitted.

IX. Regit and Stratus; The breditary background and the platetal and remark halfs conditions of Pin general such accesses and their backles were investigated. We regist the amongmus colorastics of the proteind results and realize that the conditions of the proteind results and realize that the conditions of the proteind results and realize that the conditions of the proteind results are conditionally results and proteind results are conditionally results and proteind in contrastations. Without requiring in the first condition physics of the result and the results are conditionally results and the results are conditionally results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are considered as a result of the results and results are resu

regularly reaction of intermediated their test stretched vicini reasons are appearing and specific leading vicinities, and or reprise to support the assumption for the general post of specific leading vicinities and the stretched and provide assumption for the specific stretched vicinities are supported by the stretched vicinities. The specific stretched vicinities are supported by the stretched vicinities and provide the state of the stretched vicinities are supported vicinities and provide the state of the stretched vicinities are supported vicinities. The provides we are supported vicinities and the state of the stretched vicinities and state of the state of the

The gentral ways set at a fundamental to consider the second consideration of the property of the second consideration of the sec

4. The families of gentames do not "the out." The supercus montal shill of a greater to reflected in the remarkably high sension of intellectually pressured intrivials around bit shifteen and grandchildren.

6. The process by makers of making a genium is obviously a very complise, one and involved inference not clearly observable contents. A charged harmonic and involved inference of clearly observed in the condition of the content of the content

spacing begins in the anomalous of a garden.

pointing income from the formation of a garden.

pointing income from the formation of a garden.

make and postry, remain and partition, and partiting, another was and architecture.

There means to be a relative incompatibility or exceptivitility between the makeup of a garden and certain payeds dispositions. The subtrodynate constitution to the makeup of a garden and certain payeds dispositions. The subtrodynate constitution is more provided among the artitate and the explosions constitution among the contract and the certain payed and payed to the constitution among the contract and the certain payed and contract and the certain payed and contract and the contract and the certain payed and contract and the certain payed and contract and the contract and the certain payed and contract and the certain payed and contract and contrac

PIG-005 ANOMALIES OF GENIUS

8. The partners and that furnilise shave a much higher inclines of physicals and populocurents than the record population. Among the gardners for the and population of the should be proposed to the control of the

6. A comparison between the artists and activation showed a relative belong idensirally of the artists exhibited by the higher member of psycholar showmallines among themselves and their families, the tower families and shorter like span, the higher member of single persons and illegithmic exhibres, the tomesand infant mortality, and the higher discore rate. No difference between the two groups existed relative to glytocial health.

groups existed relative to physical health.

10. The insidence of below average intellect and indecility is remarkably low in the descendants of the pretases, whereas the weighte rate appears to be high.

 The wives of the perianes were, in the overwholming majority, excellent marriage comparison and contributed directly or indirectly to the outstanding seconglishments of their husbands.
 The geography-metal descent of the geolases revealed a selective dis-

treatine of contain laters. The criticit was most parameter to be evolved and containating rater with the foregreen-equilibrium parameter, and the noise-most contained and contained and washers district. In district, because, was exclusively likely to contain a device district, because, was exclusively likely to contain a device of the contained of the containe

PRI-001 EIDETIC IMAGERY: A CROSS-CULTURAL WILL O'THE WISP? Doob. Lectural W.: Journal of Principleary, 69:13-34, 1995.

A. Introduction. Preventship you served to beleaster baryize consecutives interestingsing to describe the indexes and convolutes in different contained and an advances of convolutes in different contained and serves so provide from locality into the most but challenging profiles of the heapth of the convolute in the second of the convolute in the heapth of convolutes has been confident in such settless, although of convolute has been convolute in such settless, although on systematic extension has been point to require to convolute the convolute has been point to require the convolute that the convolute has been point to require the convolute has been point to require the convolute that the convolute has been point to require the convolute that the convolute has been point to require the convolute that the convolute has been point to be convolute to the convolute that the co

Balactivity maxicole, however, in the microamental river, proventigated a management of the processing of the processing

removed. In the Wars, aspectally to derivance, has shown that by and large B are applicably contraded with gas and have determedian some official these last solid properties of the solid properties of the solid properties of the solid contraded and defines admit one have a "photographic memory" then, this trendspace says and a solid properties of the solid properties of the solid properties of the words as the solid lines in the soul matter of the original solid. The nonwested and solid properties of physical creates for in the West law words and solid properties of the solid contraded to the West law words and solid properties of the solid contraded to the West law exert sociously and possible.

Ell and financiation to exerce-direct executed because before and the all and financiation to exerce-direct executed because before all the solid of the solid contraded and the solid contraded to the solid contraded, they can

he objectively insertigated, valides over simple measurest associating personality as assessment in details whether a person threat syn order has severed as a given personality the grid course whose the significance attacked to the set in agreement to the set of the second of the second of the second of the second of the 1 is eagit to inhance the consequence when they are attacked enough to find at a second of department of the second of the agentically intended under conditions that are not fully protective as possible of agentically intended under conditions that are not fully protective as possible of

L. Surgary. Taphwardly selected margine of collidron and solid in line information sources to resident for estiles integra in a more on the satisfaction sources to resident for estiles integral in a more on the satisfaction state of the satisfaction st

PII-002 EIDETIC IMAGES

images of this general type, being concrete rather than sharrest, rear represent a survival from us earlier stage in the development of run and that surmaily they may be late need not be gettisted when the individual is experiencing some special that of difficulty in coptage with the environment.

PLOSS HYPNOTISM AND FIDETIC IMAGERY

reymous: <u>Science News</u>, 108:165, September 13, 11

The state of the s

words, if greeds can attailly regress to their shiftwork, this move of their should be distolled the decreasters designed transport shifty with regressed. The test should be reliable because endete transport shifty while regressed. The test should be reliable because endete transport is bought to be southable. We have been supported by the should be supported by the should be the regressed as consists of two regression patterns. Each patient is made to of 13.000 dets arranged in a brustless atray. When two complimentary patterns are secretizations, a testingful integer times. A present with a phylographic are secretization of a testingful integer times.

The endpoint in Whiter's experience were 20 callege induces also were highly exceptible to hyposote. They were shown the interceptions while date three conditions occurs white, means layout and hypoche age repression while regression, engagisting that begin the control of the properties of white regression, engagisting that begin the control of the properties of white regression, regarded that by most day engages and produces yet on the properties of the properties of the properties of properties of the prop

PI1003 SOME UNUSUAL VISUAL AFTER-EFFECTS

Warren, Howard C.: Perchelogical Series, 26,453-463, 1921.

Deleved Afray-Securities. Derive the correspond 1955 a large ran of the

and the state of t

Several times after studying the map for perhaps half an hour I undressed quickly and turned out the light. I then noticed in the field of vision (with eyes closed; rather distinct pictures which hore considerable likewess to the tracings on the map. There were networks of lines like the roads, and patches like the secure markings. These electrons were not stationary, but moved slowly to and fro. At no time was there a recognizable reproduction of any part of the map. I have retired a similar phenomenon general times after reading at sight in bed in a rather dark room with the maps of the book brightly illuminated. After the light is out I see impressees rescentling printed words and letters. These after-effects are not staticeary, but seem to move very reach as the printed rame women to the visual field is reading. I have never been able to identify positively are printed word. Occasionally there is a strong suggestion of some familiar word, such as 'the'; but I am never sure that the significant part of the impression is not supplied by the central imaging process. Occasionally when playing selliaire card-gazzes in the evening I have had after-tensations resembling playing-cards after going to bed; the impressions are always too

indicitient to identify any particular card.

The most sulfationary experience of this type occurred recently. I was exacting
ing under the microscope sees oblive showing sections of the corobellism. It
was too to the alternoon, the rows west spite dark everyfit for an electric standlight contered on the interver and reflected through the siths on the symplece.

On account of waveling specialism the field even in the interverse is comparable.

The abstract the new relative design constraint, and new the relative design of the relativ

These neering other-measurious lasted about 1s existing. I opened my speat the or three tipses during the donorvation, and the after-measuring returned on-shoring them again. An angagement persented the observation reheign continued to observation for measurem or members, I wish to emphasize extensive the definitions of the figures seen, their motion, and the facet that they appeared unmistabathet 1 gitted refetch.

As a child I had the capacity of accuring very distinct and vivid vision traposations. In our household family prayers were held duly. Then after lime, with open cloud, I observed the play of colors before we. The imprecision often took the form of octored patterns, assessment life indeeparten designs. These patterns were continually serving or changing that colors or form. The interference were received this time seem in a substitutioning except this is present as were such more regular. They areas and changed of their own severe and were received and the continual time. The continual time is a substitution of the continual time in a substitution of the continual time is a substitution to take the continual time is a substitution of the continual time is a substitution to later I was assumed with a substitution of the continual time is a substitution of continual time is the continual time in the continual time in the continual time is continual time. In order that the continual time is the continual time is the continual time is the continual time in the continual time is the continual time is the continual time in the continual time is the continual time in the continual time is the continual time is the continual time in the continual time is the continual time is the continual time in the continual time is the continual time is the continual time in the continual time is the continual time is

I season time. In erg own case they were a sent of stead imagency, when quite viril, but not a 'regal' as after-consistene or an temperature part described. Superliment the changes were withdraw, at other times they seemed to be independent of every object, the first and I can recall that distance of time, the burnar ligators and other facilities objects in these pictures were very distinct and detractions and other facilities objects in these pictures were very distinct and detractions. The continuous of virial indication continued till about the series of singleton, when

This cultivation of virsulization centiment till about the age of eighteen, wheater a new extrements the practice dropped anny almost a lease. For reasy pears my virsulizing capacity was tittle used and seems to have degenerated, although twented considerably with visual discre-searations.

William the past two years I have endeavored to remove the practice of virsulizing with virtual object. The past two years I have endeavored to remove the practice of virsulizing with chand open. All first the results were reasons; I am only retiral

fring with these give. At first the reactive seem sangar; I have only retinal light and floring after-sensations. Gradually the visualizing power has returned, and I am able to picture scenes voluntarily, though not no virilty as in adelescence.

I obtain these virualizations by reaccentrating the attention on the retinal band,

scores. At first I we only the flay of sindulatin critical light, which I wears also a price with the light of traingalants. The sil it come to proport scores are approximately an extra state of the proportion of the sil in the sil

a dark come with zero closede skulture occurs will appear hibrar nor in apparently on a richtly an Humanian or adaptily. I come is to feeling investigate way should be a richtly and the state of the feeling investigate. The phenomene tasks and more than a minute. I have insert been been should be a both 10 feeling apply to entite our yet should be of investigate. It is a passessive of the should be a passessive of the state of the should be a passessive of the should be a should be a should be a passessive of the should be a should be

7. Unbanedwise's reported in 1800 that in early 188 he was also solution to call us color to represente with observed seas. The power was finitished in later Jean to represent the supervised finitished in later Jean to represent the supervised finitished in the power later. The properties of the power later to make the supervised finite to my distinct the supervised finitished in 1.8 a John pages 13800 Unbanedwised reports that after an excessive in the centify, on cloting his eyes, be to note a late to cold up placement of landscapes, with ground collection of the supervised finite properties of the supervised finite properties of the supervised finite properties of the supervised finite landscapes rather that a finite properties of the supervised finite properties of the

occusions. This expolence resembles the delayed after-securations mentioned in the beginning of the present paper, except that the layer of time is much greater—dieps instead of less than an hour. If the two phonomers are really due to the same sound processes, they hear on the relation between colline is

central processes.

J. Berch reported is the same year an experience similar to my microespecieller. On his way to the laboratory he stopped several minutes to waich
a pair of hirls building a nest in the branches of a tree. On reaching his laboratory and turning out the gas in the desire results. he obtained as in sider-severation of

he gas-flame for about fee minutos; hen eave a retial for, and alternative here developed a picture of framphene such as to had seen arrend fair monidalized after-assistation, supplementation of these phenomena was made by V. Directardorich. Urbanistichts delargation of these phenomena was made by V. Directardorich. The about the directardoric conversations of visual ray visualization and contribution of the contribution

sey images Géschetzstütteri: (1) Straje representations (Versielbagen, Bibber der Erichmenne), auf G. Wanslatzsinov Gelenkulsche Gelankinschlicher, Bibber der enhylstiven deschausug. In die finst eine Gelenkulsche Gelankinschlicher, Bibber der einzugen der Gelankinschlicher Gelankinschlicher, die Strain der Gelankinschlicher Strainschlicher Strains

the annov. It is not clear from to changination their from inter-benances. Some recently these phenomena has been made the nebyet of a series of experimental studies by E. R. Jusceth and his perits in the Marburg Poychological Laborates. Two of these studies were published in 1820 and others are progress.

Januard distinguishes three types of visual abservation: (i) Nashbilder, (b)

Specials distinguishes three types of visual alter-affect: (i) Kashhidar, (b) Anachasangshidar, and (i) Verstellangshidar, which will be irrashined Jing-semistics. Theodications, and Memory Images, respectively. The Anachasangshidar visualization is intermediate between the other two. Januarch and Basse consider them as there grades of memory defeatabilisations.

virid visualization. It appears that erms capacity for visualization is presset in a large preportion of children examinations cendented by the Partreys laboratory indicate that at least 27 per cent. of all children posteols it is sime degree. For Marbong nather a sumber of pange determent from 11s 127 years of again the contract of the partrey of the visual strategy, resulting the visual strategy, resultantly of the visual strategy, resultantly of the partrey of the

the visual stimutes, visualizations after a 5-isonois superure. The intensity of the visual stimutants in set stated, though this swedt scene be to unsestiful factor in repeating the experiments. After-effects of all three types were obtained sightoger stap, and were usually presented not a blash confident background. Torthe purposes of the experiments lines and other objective figures were placed on this same background. The shiptons were able to bed 40 to distre-effects and

compared under the time of control temperature of the control temperature o

as the difference between the distances measured by the two pairs increases. After-reflects are progressively loss clear to detail as we pass from after-assusptions through visualizations to receive transper.

Jaconth, experimenting with visualizations, fluids that with the loss of identity of the bisnettar floor of vision and the law of incorpression of the two retinal

at the biocettar line of vision and the law of incongruence of the two retiral Belds both for visualizations, the name as for visual perceptions. Visualizations withdraw volcation control more than memory images in other weeds, memory transpar are more yighten than visualizations. The Marburg expectments had expectably in visus to demonstrate that visualizations are not of the control visualizations and the control visualizations.

The Marburg experiences had especially in view to decementate that visus incitions are not produced and altered by suggestion, but are orderly hypothomicly metal phenomena—white they are as capable of definite experimental for excitagation as perceptions. The results reported, and the general agreement among the 199 observers after the alterence for differences in mental types, separat to submittain that the contest of the

appear to substantiate this conclusion.

Physiciognal Basts of Viscal Aber-effects. The most important problem to connection with visual aborr-effects, in the spinon of the present writer, in their point of origins are they generated peripherally or estrailly?

In its the count of vising after assuming the three spects to respect to their points.

(a) In the case of single there seemed there means so reason to death, that they exiginate peripherally—that they are due to physiological processes in the cettas field.

It is a regards creat mean the content of the secrepted option among perhologists to that they depend upon correlated reasoning. (i) it is difficult to see how much a characteristic (ii) it is difficult to see how much a

vant filtered or vinas insplicationed obsort to required it has relatin institution on an extent lite-filtered, (f) there is no longer motion mechanism to the volumes; on the extensive contraction of the contraction of the

says after his trip to the country phenomena of central origin, as he necesses, or are they delayed after-necessations?

The second argument still holds. The absence of motor nerves in the retriasspects the view that resistal restantion is only a secondary sid to memoria, that the stream of views necessation is controlled centrally and set through a

on Training new to visualizations, the question of their neares is nonewhat preplacing. The visible interaction is the visible of the question of the property in the prope

By voluntary visualizations in malare the appear to be based on cassal resital processies, which are amplified into meaninghis occase by the silition of esertal elegents. Bettial stitudi are apparently associal in my present visualizations; in childhood they apparently played an unknoperatur role. Seither in childhood nor today have I successful in getting pure visualizations with open

eyee, the lapeach's adapter. " Ware the Marburg experiments performed has rigidly, I should countier the 'Anachteurgebilder' to be a kind of prolonged adapsociation. As it is, they seem underbodly to correspond to my visualizations;

sommittee. As it is, they near underbody to correspond to my visualizations that they are for more vivid. In shown by the fact that they praint in all their definitions with open cycle.

With my own experiences may be brought fairly well that the with Jasses my classification would be slightly different. At one entreme is the visual necessities, the objective mitmalation at the other the measure image, which

organics, due to depositive stimulations of the other live intelligence of the control of the co

2. Pure Vignalization. The 'tropical serial conscience is the best exception of this pure. Description, the Technological person areas who will have not been exception. The days are title-like, but it may come for set whent of except conscitations, the bould say that the outflows and essents are set as descript and other as it pure after-exemptions. The experience seems ress), though deficulty it is not outcome. Decreases, believes the observations are approximately believes to the description of the d

this type. Translation offers a creating field for revenith. The orders believe Translation of the content of the condition of the creating field for results. The corresponding to the condition and the creating offers and nonce, would seem to admit of experimental determination. A results also affected the condition of the con

the entropy from the peripheral observed in a simulationary or notice to assumption.

The nutrial behaviorist has a kinther task. If the phenomens which we call nameny and frangery are determined in every case by motor factors, as the behaviorist asserts, he mass discover the restor path leading to the retires which areason interest memory images—for necessing to behaviorist into the mass of the call of the cal

image in a meter-nemicry affair.

"Animage" former of cases of long delayed other-sensations were described as nonmally prolonged after-neonation of glare. Observations were reported of virid visualization forth voluntary and involuntary; in childrond and in later life.

*I can weeve the indefinite markings of calored marble into scenes, see picture, is anadpee, etc. My ability to recultivate viscalization in base life may be due inocotal initiations. By the ristin is normal but be left occess is defective, so that distinct imprecisions are obtained only with the right eye. Possibly my after-openitations are more definite and persistance on this account.

PII-003 EIDETIC IMAGES

There personal experiences were compared with earlier observations and experiences. The first systematic treatment of the phenomena was by Urhandashitach. Jaseann's recent work to an attempt to impastigate them by laboratory methods. He finds that visualization pictures (Anachusungsbilder) can be obtained with open eyes; that they can be empured with observing perceptionpictures, and that they can be subjected to rigid experimental tests. Jacobch divides visual after-effects into three grades: after-nonsations (Nachhilder), visualizations (Associansangsbilder), and memory-images (Verstellungsbilder). An important problem for future tenestimation to the source of these various

phonomena, --- how far they are fire to neglected and how far to control new

Compare these chearvations with those is Section PLF, where hypesgagic illusions



Click? (phytographic memory), (Drawing by John C. Halden)

PIM 001 A PRODIGY OF MEMORY

Creighton, J. H.; <u>Nooviedge</u>, 11:374-275, 1888.

has 10, 1837. This father was of Irita descent, and his embrar securate, a store, and the mother securate, a store, and the superior securate and the securate security securi

Brown, of Cardington, O., stated what he outh! Oo, and introduced hirs and conpaged to the control of the control with out the control of t

not being able to see clearly, and yet not enfirely billid. Hot speech was falls for and outsiders, using but few norths. His dreen was change but decore. The audience were requested to ask any questions they chose. As the east inables want on, we soon found that overything that had pussed before his raised

the first years was recombined. I can why refer is a few titing this occurred for the state of t

The two stropped assessment of the two two strongers of the two strongers assessment of the two strongers are strongers assessment of the two strongers are strongers as the strongers are st

teleases of figures, seven or eight deep, on the Manthourd and road them to bize. He could insunduistly repeat these hapleward or forward; and being select the next day if he still remarkabered them, he teld there art gapts without a relitation.



As the class of the extensionals neverel questions of content years were more content on the content of the con

He retained his money to the time of his death. He was in pensantine of most of those was powers for about 6459 years. What asswering quantities about certain things, Trenders have the his bosh of this, nor if he has perchanged by the companion of the companion

to tent question, research powers. This was particularly so in the question given by Preleasor Perkins.
It has been considered that the invertises of logarithms by Supier stands among the greatest works of included power in the works, and will be a momented to this same and fames for over. Due McCurtony would not recoll these

among the greatest works of intel bodden jewest in the source, and with on a more means to list is some unit faint source jewest in the source, and with on a construction. These dedications, the control of the source is the cost Najew long and sections hours of flagring. McCartesy could selve at one without people or paper, and without ministee. Daniel McCartesy was repported for the last few years of the life as the county turn, over inheritant jewest and dated in the plane. Neverbor 15, 1167,

PHM002 THE INNEMONIC FEAT OF THE SHASS POLLAR' Straton. Gence M. Perobological Beriev. 34-244-317, 1907.

Some years ago, through the kindness of my friend Professor Hallander, of the Johns Hopkins University, my attention was directed to a special architectures in necessiting which I vectors to report; also, as far as I know, it has retained mackined by mychologists, and yet should be stored among the data long and still

The facts of the case I can hardly do better then to allow the attraction there. "The Robylceian Talmod" he has been good enough to write me, "consist of tions of the Talread have exactly the warns number of paper and the same words on each page. This must be borne in raind is order to understand the remarkable fact of measure about to be detected. These been been as these enterted. ago one of these men, a native of Poland, was in this country. I witnessed his remarkable leads of moreory. Thus, one of us would throw ones one of the volumes of the Talwork, any the tractate Bernicket, at more 15; a nin would be referred on a worst. Let us say, the fourth worst to like about the morrory sharm would then be usked what word is in this same soot on page thirty-cirks or more fifty or any other page; the via would be pressed through the volume until it reached more thirty eight or mage fifty or any other mace designated, the memory sharp would then montion the word and it was found invariably correct. He had visualized in his brain the whole Talmed; in other words, the name of the Talmed were photographed on his brain. It was one of the most stapendous foats of memory I have over witnessed and there was no lake about it. In the company gathered about the table were a number of Talrawite expects who would readily have discovered from had there been any. The technical name which was used

by the Jewn of abrestines is designate those messary experts was those Polluk; Bhase in the abboundation for the Roberts terms for the Talimat, and Polluk in P1-127

PIM-002 MEMORY FEATS

Pole; marrly all these memory experts came from Poland; a Shase Pollak thes. In a Pole who has memorized the entire centeris of the Taimon and is able to give exhibitions of his memorated proven this observationed shows. "And sent let us quote from Judge Mayer Satisberger, of Polladelphin, who in assure to my largely, were an informa-

in almost to dip impury, where as concess:

"I have met but one "blasse Pollish" in my life. He was brought into my
library one evening by a friend. I conversed with him and experimented upon
him.

"After be had been introduced as the supert in question I expressed some

him.

"After he had been introduced as the aspert in question I expressed score excissity with perhaps a rates of incredelity. The was sager for the tray.

"You are of source aware that all for nearly all modern editions of the Taltzed are neared able and prointed site, such one heritaged are desired."

"You are of observe aware that all for nearly all) modern editions of the Talmond are paped allike and printed allike, each page beginning and onding with the same word in all the editions.

"I went to the came and took out a volume of the first edition which has its own peafing and followed by the other editions. He make an automatic dive for

own people and billowed by the other editions. He misdle as autenatio time for a word in a particular part of the page, and lot it was not there.
"Confounded by this susceptible event, he thought at first that this was not a Tairout I was showing kinn; and when convinced finally that it was, seamed in hear II was showing kinn; and when convinced finally that it was,

a Tarried I was showing kin; and when corrected finally that it was, seamed to bear it seems consumers for its inspecte behavior.

'I then brought out the corresponding volume of an ordinary edition and he undoubtedly made good.

'the would take a peerd and recreit planeling at the name put it down sembores.

"No would take a pencil and merely glancing at the page put it down asynchronal without leaking talk the word on which his pencil had lighted. The he did now and over again. There is no reasonable ground for the supplicion that he saw the words. I worked this closely and are servinged that he dat not. He had, I led saws, a perfect trage or the page and the position of servy words or at

Finally, let me give the testimany of Dr. Schoethar, at New York, the late-President of the Jestical Theological incolatory of heartstan-continuous promuses increasing in that within depends upon the resollicities of an experience many years ago, yet, it is an independent access of the agest kind of testing which Dr. Fillipses reports—manufact, by printing through the pages—and assessment of the pages—and the property of the page of the pages of the State Vital who was tested energy to present owners that the resonant of the State Vital who was tested energy to present our section of the State Vital

Provides theoretic risis to neely being that now he had once arrive a Provides the had not be seen to get a long as he ples as good of the with Mass Prinks but the seen to get a long as he ples as good of the with All the provides are the seen to get a long as the seen as a write. "What I rescribely was that he could not put he consists of every page write. "What I rescribely was that he could not put he cannot of every page to present the seen as a word or which the weekly touched. But I also recollers disputely that II was word or which the weekly touched. But I also recollers disputely that II was word or which the weekly touched. But I also recollers disputely that II was word or which the weekly touched. But I also recollers disputely that II was the seen as a province of the seen as a seen as a seen as a province of the seen as a see

which Developed Schemer appears, this appears is the indipased of the Pallingson. It leads upon his subherement at the time a between of the present point. The services of the present point the writine. This is quite likely that he could not takerpen the "fallent though between the present the present point of the present

All of which confirms the oft-repeated shearvastes, that each extraordinary powers of memory may exist in a kind of intollectual dispurporties where there is no surresponding diverlegated of other powers—where, indeed, there may be an actual stanting of other powers and interests; and though the mind had "con-

an arrail statifies of other powers and interests, as though the mind and "cal" to memory, and how endanged how as the outpease of other functions, the outpease of other functions are not of the contract of

pristed as a neare contain portion on the toget, and of a consentanty pristed below and account like item. For applical jointy to relate the temperate four the pristed of the prist of stakes that the post shade the witheasted was grow the consentant of the case that came under this cherration. Zone so, the task meet have been a streambase test the account of contains—makes you can be presented as the prist of the case that came under of contains—makes you can be task meet have been a streambase test the account of contains—makes you can be pass to still great, such the survives of pages in

* Nonlineaux Project has also referred one to the articles ""Falcast" and "Managerica" in Eq. (Legista) Exercispatis for evidence that at one period the Tairnal was handed down to the Tairnal Tail and the State of the Pain here recommond may phosphore for the regarded partiage articles. The results of the Control of the Pain State of the Pain State

PIM 601 A MUSICAL PRODUCY

Acceptance: Society for Psychical Research, Journal, 18:30-53, 1981.

The last sambler of the <u>forming day Soligone</u> Depolitymes for 1000 contains an interesting agent by Producer Block on a class of manifal proceeding. The paper was read by him at Paris during the International Congress of Psychology, where It was defined by a postformation on the gare of the child strong process there It was defined by a postformation to Squarida him some in Poptot Bartingson. Arrivola, and at the date of the Congressa he was three pears on eight morths.

oil. Lesting been been on Thereinher 1404, 1156.

There assent to take the energy in latest in his rechards facility. Sile subter layer the place well just it is difficult to find a parallel, seen among the dendulty, in these classes of the endulty. Sile the interest that of a day resultant of the dendulty in the classes that it is a substantiated by a consideration of the endulty of the endul

According to Professor Stehet, the child pranents no special characteristics as regards physical, seedah, and sorral development; it is notely as a notel like that the procedity in manifest. His accordantments are described by M. Seedan and S. Seedan and

His fingering is children and acceptate, but very ingestons, and he substitates for the cetare, which his hands are too small to strike, a rapidly-encoused signation. The execution is transplant oversionally as loose like any. Let addition, and it impriest, by such speciession and simply difficulty distances. But it is the expression which is pass in the facility which it is to next remarkable point of the contraction of the contra

being encodingly had and rades and not of the converted resource, restorp extended.

He marked manners in very considerable to play by heast correctly scene except pieces, and it should be enconvelored that he has around been made to present the very label of the converted to t

pick out on the pince tense that he has beard song, and to these he finds the proper harmonies for himself.

It is not always only is distinguish to a so-salid improvimence on the pince between memory and invention; but Poptin, when improvining, seems erver to be at a bose, and often produces interesting metedies, which are conrect to be at a bose, and often produces interesting metedies, which are con-

printing on the completed by the housewer, and appear to be certifially. Here, and in, as is to be convenient, the performance is irreplaced in the mission of a target of false noises and healtharing centration will come elever conclusions of chydroceromic cransitions from one there to underly, an indead the parameter were distinct to him by a real compositor.

Output the control of the contro

The case proports some makey with that of the arithmetical products—the "oulculating boys" whose performances have been often recorded. [See account of the retarios) ones in Mr. Myers's paper on "The Sublimited Consciousness. of the principal cond is Mr. Myers a paper on the reasonable Constitutional The Markanian of Gaptus" in the Proceedings 5. P. R. Vol. vill. , pp. 269-261.) the secrement in October 22 the Proposition of Mr. S. C. Rowe, a Fallow of Trinity College, Cambridge. This gustleman, who sted is 1894, was an extraecdinarily brillian meeticas, whose powers of essention and interpretation can never be forgotten by those who heard him play. He showed his mustral taken four years old. Unlike Peptie, his masked precently seems to have been shown to his power of reading mests. He used to relate how, as a small child, before he could roud books or knew anything of munic, he would spend happy hears profess many remained monroe, not attempting to play the music, which would have been beyond his evenpase, but getting some real but unanalyzable enjoyment out. of the retains more. At a later upo he would place a book on the piono and read about from it, while improvising at the came time; and at school he often learnt do not seem to have been of quite the same nature as Pepico's, whereas Mr. Home showed what his friends describe as an "intuitive" cover of reading squais.

PIM-664 TEMPORARY REMINISCENCE OF A LONG-FORGOTTEN LANGUAGE CURING DELIBERA

Freeborn, Heary: Society for Paychical Research, Journal, 10:379-485, 1902.

The following case presents some interesting analogies to many cases of necondary and alternating personalities that have appeared in our Proceedings and Journal. The report is quoted jouisting some details of purely modica Interest from The Langest of June 14th, 1867, where it amounted under the title "Temporary Benjalayers of a Long Torontion Language during the deliction. of Browder-Puramonia," In Heavy President, M. E. Edin, with remarks by

C. A. Mereter, H. R., M. R. C. P. Lond, F. R. C. S. Euc. The nations was a worses, and TO years. She felt morely on the evening of March 6th, 1992, and kept her bed on the 7th. I saw her on the 8th and found her complaining of headanhe and pain in the shoulders, back, and limbs. Her termorature was 100° F., and her pulse was 100, regular, and strong. Examto slight attacks of broockitts and had to keep her hed for a few days at the time once or twice during every winter). Her condition on the 9th and 10th was about the same: there were less houseche and pain generally, the temperature re-mounter between 101° and 100°. On the 11th the nation had maked a had night the respirations were existented. The much was trustilenesse. The state was 120 and the temperature was 100%. Examination of the lungs revealed increased broughitis all over.... The general condition of the natisest remained about the to 50°, went up again for a short time in the afternoon to 181°, and fell again in the evening to MT. On this day she coughed up a little rusty senters, the only time she did so. At 9 p. m. I arrived to find her apparently dring. The pulse was quite uncountable, week, and flickering. The more said that she began to change as hour before and was getting rapidly worse. Three minima of liquor until the 16th, on which day the bacan to restroy and her refus remained strong

The chief point of interest in this case lies in the delirium. From the stebs of March 7th until the evening of the 13th reben the temperature fell suddenly she was sometimes wandering while awake and continually talking in her alese. but when spoken to would be perfectly sensible and so long as the was engaged with one of the attendants or doctor would answer questions, etc. When the termerature fell on the 13th she became quite delictous and remained so wat! the 19th, when she gradually returned to reason. On the right of the 12th and a convertation of others. She repeated the same norm time after time. This berng to be mixed with English and she make to, and of, friends and relations of her girlhood. On the 15th the Hindustoni had disappeared althougher and the was talking to, and of, friends of a later date in Euglish. Freuch, and German. The patient was been in India, which country she left at the age of three years. and landed in England, after five months' verage, before she was four years old. Do to the firm the landed she had been under the core of lating requests and spoke so English at all, her only language being Hindustani. On her owning to

Singland the sight was need back and she then began to term English, and from that time that mere spokes influenties. We apprecedly, on the 15th, even heads to be reddirition to her very narriest days, when she upoke agent the first language, the even heard. The poors was found to be consisting which the applica are in the sholes of reperting to their children and the conversations were apparently with the native arranta, one being encepholes as a request that she employ to the children and the conversation were apprecially with

Through the whole difficult there could be recognized a sequence. At time on the Tries are applied to we not be recognized as expenses. At time on the Tries are applied to the could not be recognized to the could not be recognized to the time of time of

of the URA in that, and two operate for language prospagation the game on one of the control of

The two less than the less of the frequent begans the whom memory was a straight received that the less than the was the presentation was a straight received that the less than the les

only are the experiences of worth remembered, but the manner tea of youthful experiences thrust themselves forward with such vividness and poreigisates that they become the dominant feature in consciousness, and the old man literally lives his youth over again. To such a dagree does this vivid reaumearance of researches affect they it preselies it tenden the receipts of recognition, and the veterax addresses his greadchildren by the names of actual fellows of his own breed. It seems as if structural memories were laid flows in the nervous system. in strain, the memory of each successive experience overtring the memories of pourious experiences; and as if, in senile loss of morney, the recuesal of the process as experiences; and so in, in setting of those that remain, on the principle an familiar to marriaging under the name of these of sectors

That this old last was not insume in the ordinary use of the term, but now suffering from the delighen of heddy officers, good to correducate my formatic Asserted that not cally are delicted and insurity the same thing, but that are doctrine that not cally are courses and common on many or many and I should be weakening Illness, aspecially if makkedy analysis or may be and I should be further and my reast be, attended by weakening of retail. If the nation had no maked in the cases montal condition after her recovery from the builty (Teases no one would question that that condition might be rightly characterized by the term insuity. Yet the improvement of the mental condition part passes with the recovery of the bodily illness indicates the dependence of the one spee the other. The sequence of events in the course of her recovery was most rumarkable. the explaint named through the stages of her title, beginning to infancy and taking there, as fir. Freehorn care, is their proper color, until, you her constate recovery, she begade counts down to their propert date. Nothing dramatically consolete has ever eases under not one observation, thereby have seen cases in which the period of life lived through again has varied. It to a seen cases in which the person or the large narrange again one cases. think in it above. I language which is not that of their childhood, to true that because is officer or to other strong and to return to the language partiest acincrease in others or to other stress and to return to the tanguage eartiest a colored, even when this had been abreed or colds function. I have been advected my care during the last year an old lady whose native language to English, but my care during the next year as one lady wrone narror ranguage to known, our who had submersamily negatived, in the order street, a perfect collected menture of French and Station and a competent knowledge of German. She is now it mare of French title marter and a competent theoretics or correct. Her is now to year of age and finds that the has lead her Gorman, and in a navery attack of broad-his or age and that this one and con mer torrean, and in a server smann or tremeny tile also less both French and Ralian and year left with English alone. Her health is leable and her mastery of Salian Suctuates with it. The great interest of the Present case is that the language should have been discontinued to very early to ever reach it. But, as Coloridan's come though, the provious shillow to stand on language is not necessary for its reproduction, and it is settled that the obtain hervelf had song the versee. He representate reproduced there from breater or orate. for what it is worth, my hypothesis of the stratification of memories I do not put it forward an a very illuminating hypothesis, but in this very obscure reston even a glinner of light in gratable

Several cases of alternating personalities have been recorded to which the subtest recepts to or recovers the manuscript of cartier periods of life. One of the most remarkable of those was the cope of Louis Man Inc. Propositions. Tel. IV. v. care. who wantfested several different representative comments to different periods of life, which variations could also be neither by recording to him by northin methods of mercention. Another case of alternative recessalisis him by cornan methods or suggestion. Assess the same to the cornange of the cornange of different ages was that of Mallia Possbar (san Possbar)

PIM-005 MEMORY FEATS

Yell, 25°U, p. 29%. More conscision will, and still some difficult to explain by Dr. Merrier's hypothesis of the stratification of manodise, described shows, in the case of "Biod Resolvator"—Dr. Martins Prince's midget time Proposedtion (L. 1994), p. 1997. p. 4644—in which may periodic processing precisability in 1999; and the proposed processing of the proposed processing processing in 1999; described the prince of the processing processing the proposed processing of the subsequent like than the princess personality has.

PMANS INLINDFOLD CHESSI

Koastler, Arthur Heel of Achillon, p. 230, Sandon House, 1978.

"Blushde clean," as it is called, is yet author challengs with which the clean mist certiset the psychologist, and which all leads for an opplantation. To first a single game blindabil moderately will is within the capacity of energy strong player. To play them blindabil games irradiancessity was registed by Phillider's contemporaries as one of the greatest essentias of which the binnan sourcey is capable. But it be year which have eliquided much planta to the

Fillifatir contemporaries as one of the greatest exercities of which the brazas money; in explair. But the years the have eligoned into Filliatirs day, the record for the filliancess brindhold game is also as the filling the filling of the fill

PIU 601 STATISTICS OF "UNCONSCIOUS CEREMATION" Child, Charles M.; American Journal of Prochelogy, 8-349-259, 1882

The present article is an alterest to give in a statistical from the results of britished form as and of spectices on Thomson two Cerebration. "These overthines were first issued by Mr. Paracit Spect, Jr., of local Gorger, N.J., and a point of the regular of the strengtupine was published in the Right Science, Mently, is the certification of the regular properties of the certification of the contraction of the strengtupine was considered by the certification of the publication, and there all the publication of the contraction of the various enlarger, and from persons in proteomoral life. To these were added about a handred once, aff of certificat sentence, and the complexities, and the proteomoral con-

is the contractly of the again; it is sometime for in "lives the same set of a quantities, and the Art.", point very stated the thresholds, impaire with the service quantities, and the against the production of the against the production of the contract of the against the production of the against the production of the against t

assistentia que betimen toueta para distribir paner, and nove of times air valore recepti-rio space na alexa. An les opporte naterally fell tils neveral divincia conceilar pana, in mesoria devinade in separate time no filtree. Entre, those and letel, done entre filtre para el transporte de la conceilar para el transporte para el trans

The street is place account. An extraction of the following is not be principles, squares for the principles of the street of the first street of the principles of the street of the

The questions switted are those employed 1. V. and XI. in Mr. Speir's original list. In other respects our list is identical with the original. Question 1. 1. When you are unable to recall the name of converting wanted and you cap, "Never raind, it will occur to me." are you conscious of any officet.

PIU-001 UNCONSCIOUS THINKING

of searching after 8?

2. When you are, do you feel some tendile or weight in your aftert?

3. Then the thirt over some in how some back assistance of without below

 Does the idea ever seem to have ensee back apostaneously without suggested by any perceived association of klean?
 Does each recovery of the lost lifes ever come during steep?

Does such recovery come after sleep?
 Dees such recovery come after sleep?
 Please give examples from your own experience, illustrating fully.

22	91	22	66	0.0	
4			4	- 6	
Yes	Yes	Yes	Yes	Yes	
72	68	53	17	57	
78	- 66	84	53	59	
	90 21 6 Yes	93 81 21 12 4 0 Yes Yes 22 69 22 69 13 67 12 77	90 81 92 21 12 11 4 0 9 Ves Yes Yes 12 66 81 12 66 72 13 67 54	90 81 92 66 21 12 11 68 4 0 9 4 Yes Yes Yes Tes 22 68 81 17 22 68 77 18 33 67 54 15 12 77 79 15	90 61 92 66 68 21 12 11 68 31 4 0 0 4 6 Ves Yee Yee Tes Yee 12 69 81 11 57 12 66 72 18 69 31 67 84 15 94 12 77 79 19 61

In a first two obtains there is an apparent discrepancy for in distinguishing for the first two obtains there is an apparent discrepancy for individual section to individual section to individual section to individual. The last of the ways was in the asset of the second outside the second outside

a fill to their percentage. Under 2 those under roots;—In an above the general processing, those leaves towards from a fillenty mountain body, and those processing, those leaves towards from a fillenty mountain body, and those the roots, and here there is again the distinct rise between twelve-free and larry, that these gives their pass considerable piles from twelve towards reversely. Under percentage of those between twelve-free and flarry to both double the general processing, which are the contract of the processing of the contraction of the contract of the contraction of the Asia roots; the worsten. Here there is no friends to the percentage of all filling the contraction of the Asia roots; the contraction of the contraction of the contraction of the Asia roots; the contraction of the contraction of the contraction of the Asia roots; the contraction of the contraction of the contraction of the Asia roots; the contraction of the contraction of the contraction of the contraction of the Asia roots; the contraction of the contraction of the contraction of the Asia roots; the contraction of t

A new examples, which are already come given in the papers owner we process
adjust of the spontaneous recovery of ideas, may be interesting and are given
below.

1. "This reporting | endeavoired to recall the name of the characters | had
read of in one of Scott's named the sight's before. I could repressive but one, and

character by name, although constantly enfeaturing to do so. After tracking, a dunder seed close, it allowed been sub- side at the constant and other seed whost are other, and sub- side at the constant and allowed the constant and allowed the constant and the constant and the consequence of the co

out the name without any conscious volition on my part, or without thinking avething about the book at all." 2. "I have tried to think of the name of a person without success in the even-

ing, and the next morning have had it come to me without any connecting ideas "I was felling my stater of a young lady, but I could not remember her name, though I thought I knew it. At last I had to give it up, and after a white forgot all about it, though I could not at first favor revealf to think entirely of

other thicars. For a time I was disply conscious of trying to remember. next morning the name meddenly flashed across my mind, assayently without being suggested by arnthing else,"

Many other examples are given, and a number state that the phanemens in of very frequent occurrence. Several of the asswers give empirical schemes

Question II. 1. Can you wake practisely at a given hour determined upon be-

b. Are you constitues before waking of my feeling (describe to? c. Do you come directly from obligion take respectaments ?



answering I in the negative, thirty-one per cent, I those community indeficately one per cent. The representation in the first vertical column are commuted on the whole number in each division. The percentages in the other five columns are computed on the number of those is each division who answer I in the affirma-

As records the general percentages, the table chows that fifty-size per cent. of those sending in papers possess the power of waking at a given time without being disturbed before. About two-thirds of those seldem or never [sil in their attempt. Only about a third of them are conncious of any feeling as they water. and about two-thirds wake directly. In the other division the important points appear to be as follows: A axialler percentage of women than of non possess the power of waking at a given time. Those of both seems between twenty-flow and thirty years are also far below the general percestage in the possession of this power. These under twesty-five are above and those over thirty are about sound to the meneral newcestage. There is a distinct decrease with increasing are to the percentage of those who often fail is their attempt to wake at a given time. A smaller percentage of women than of men wake with any special feeling, and those above thirty cely shout half as often as those below. A very large percentuse of women wake directly, while men are rather below the general percentage. A larger proportion of persons above thirty than of those below wake gradually. The feeling of which some are conscious on waking is variously described, but

to in rearly all cases a troubled feeling, as none describe it, "a feeling that I must wake," "that seeseiting must be done," "that it be time to get up," etc. In associating a some of those who may they wake directly have a very distinct feeling

A few of the coumples given are quoted.

1. "Yes, at an early or unusual hour, by repeating the time to expect once or twice before going to aloop. I seldow wake before the hour determined upon and never fail thes."

gail never (a) then.

"I was formulated by the attending physician with the administering of medicine to my wife, who was very dangerously iii. It was of the greatest importance that a certain medicine should be given every the hours as easily as possible. I may need to confidently soon delegacy. In this rais weeks I woke

importance is an occasion source assume or great every two sources in course as constructed. I may me entraordinately accordingly sound elegant, but for all weeks I work up every two hours methodically, and sover related giving the medicine. I always came directly from oblivior into consciousness. I was an exercit and methodical during the first leve nights as at the last."

3. "I have nowey correlated when my mind was charged before retiring."

'I have sever overshopt when my mind was changed before retiring.'
 'I can always make it any hear I destre, usually a few minutes before.'
 "Manyas our maje just five minutes before the hear at which I set the slarm."
 'I recall one instance more remarkable than any other in my own case.

had been bedom of my next every sight for a weed or its olders, and new evening retired as about me of elect, giving directions to the called a five-feet election. It fill abbrep at once, and slope till melve without waking. At that time assumbling assumed to self must it was review elected. It seems not come from perfect electric objects to purifical essentialization. I room and drawed just an the electric electric review of the common perfect of the common self-called time, and was expressed to learn that or one bull righted to the

Question III. 1. When perpleted at your progress is any work (mathematical), professional, literary, obest, passion, etc.), have you ever left it unfinished and turned your procedure to other things, and after some time, understandly returning to it, have found yourself able at once to maintainering

2. If you have, friend give traincome. The saverest to the first joint are not follows: Nitest per cost: assert the question, serverly-viewer per cost: affirmatively and turbin per cost: assert the question, serverly-viewer per cost: affirmatively which the percontage is the case of the viewers in eighty. These addresses the best is percoving of costs and the adversarial register, which cases adversarial parts after the properties of many and the adversarial register, which cases adversar gives you are not have no computed on the interpretation.

A large number of the countries given order to mathematics, a considerable and the properties of the countries given order to mathematics, a considerable and countries given order, and a consequence, purchase, etc., Some of the countries given will serve an illustrations.

1. "Yellow soldle playing closes or working and countries have not disconsiderable with. On returning after having left it does not have a while, what was difficult before second now every easis."

"In working mathematical enoughes in the overlag I constitutes" get struck.
 Hence it over right and take it up is the occasing, and I often get the source immediately. So in translational I find purposes that I cause up on etc. I study on those for a while and then leave then for several boars, or better semetimes down, and I can get them chearts."

3. "In writing mosts! rober get in atmosffun-fooks, and try widty to associate at closed e with or tests), but caused that the fixing lives. When it gets no savey estated I layer it and go for a walk, and on contrip back to work. It ill most likely be able to write it not at core, security without any write on pipers!
1. If most core across a security without the work on pipers!
1. There core across a section that was particularly difficult in some contributions of the security of the core of the core of the security of the core of the

On retayining to the Light I have often occasi it quite simple, and now elements translated it at eight."

Question IV. 1. During sleep have you over puressed a logical. essected train of thought, upon seems topic or problem, is which you have regulated occarendered. and the stems and conclusion of which you have concentred or

availability?

2. During a half sleep?

3. If you have, have done the result appear when measured by your normal and the state of the s

standard of deprinter mosted artisty, with regard to accuracy, 46.7. A. Please few examples illustrating your measuring is IRI.

The general assesses are as follows: Nisest-chross per cent. amover the Arxiv section of the question, Advances per cent. Amover the or recall no such experience, while three-contents of the question and the content of the period of the content of the

as good or other has flower transless in waiting the, write augment per out.

De the other directions have in 18th outwards, so it is somewart to give all

the characteristic of the somewart to give all

per case, of the some nearesthe noting any forget or conceed (rain of insept),

a half deep, but per operary percentage is below as ingo. The two reversals

to half deep, but per operary percentage is below as in the observation of the some and the conceeding the contraction of the some and the contraction of the some and the contraction of the some and co

bed as unerestone in these or in a half shape the following or speed as through a contract processing at the contract processing and the contract processing at the contract processing

without difficulty."

2. "Being greatly troubled over a problem in signification provided to along an along greatly troubled over a problem in significant the rest of the solution along and leaving the problem half finished, I dreamed the rest of the solution and obtained the correct result. On speaking, I researchered it, and it was correct.

4. "In my nesses year at college I had an essay to write that troubled me unsually. After twints to decide usum the substant until rest had, I fell along and

my year's posting proved correct."

dreamed not only of the enligent and analysis, but of all the details. The next marking I wrote our what I had dreamed, and found it far more estitiation; than anything I had sure done in the same time before."

"Two years before I had exactly the same experience about an equation in

algebra which I worked not correctly to alone.

8. "Size worked on many diplocate or governational problems during elseption.

18. "Size worked on many diplocate or governational problems during elseptions, when some yours ago in Worcester Academs, accused some fixer of the elseption of the problems of the elseption of the else

6. One eventure had been vertisen list on a hard gomestry problems, and halfsted to cales. The next movering easewhiler I remembered having freazand of doing it and al obdatelast the convert solution. I insundicately went over the solution is in halfster than the registering the correct. Of their dry remembers and its create in thought of ray dream instructions to making up should probably have foreign the control of th

of working, the incomes of the fibe, and CO, minst of the sectors above as all the fibe and the contract of th

Question V. 1. Have you over been conscious of bastag discovered sensething new. c. g., as investion, a literary or poetical creation, c. e. a mathematical adiabation, etc.?

2. If yes, then has this flushed into consciousness in the form of a clear consistent.

b. Then many instituent on two gire?
b. Then many instituent on two gire?
Severally-rise per cent, anower the first settles of the question, forty par one, negatively, and thirty-rise par cent. as the first hands also recreate persons in a clear several part of the part of the

thirty so state, and state per cent. of those above thirty.

These asswers then, as might be espected, as increase in the number of such discoverion with increase of any. The percentages of these who asswer the

second section show an increase between tweety-live and thirty, while above thirty the percentage falls below either of the others. Purhaps this may be due to the greater shifter of the adult's fully developed mind to selpe upon a bind on a hasts, and work out from it the new idea.

A few of the examples given are quoted. 1. 'I can instance so frequent the smallest kind of literary creation, forms

of verbal expression, what one may call an apt parane coming to my mind suddenly, uncalled for, as if ottered by some one else, of no use to me at the time or perhaps ever." 2. "Many instances of mathematical or psychological problems have seddents flashed across my mind when on a totally different subject; sometimes very distient and ecceptions indistinct, which I afterwards developed into distinctness."

2. 'Many often awaked with part of an essay all ready, with a letter wholly

prepared; once or twice with a few stantas composed on subjects that I had en-

degreeful to treat in choose, once or twice also on subjects that I had not attemptor or thought to write upon in purse."

shythm, as fast as I could set down the words, and it needed little or no restains.

2. If you have, then give instances.

hearing a sound to.g., yourself or mother making a romack), have you ever

Usually I am dissuitated with my first copies."

Questice Vi. 1. On seeing a night to.g., on visiting a strange place; or on

4. 'To one case I wrote a long pione of a rather outtries! character, in easy

Rights-wight per cent answer the first part of the question, twesty-arrest per-

over segmental negatively, and fifty-size per cost affirmatively. The percentages

in the second vertical column are computed on the number of those is such division who survey I affirmatively.

in the affirmative than men. Those under twenty-live show a larger percentage

than are other upo, and one which is above the present percentage, while these between twenty-five and frirty show a much smaller percentage than any other

5. Describe any expert! faction that accommanded this flash of helf intellig-Describe some feeling

age. Is the third section the women again abov a higher percentage than the men; those of both seven between treatty-fire and thirty size a year, birk nerventure.

and those shows thirty are much below the personal percentury. The someone to

strengt a feeting of any, and one or two call it apparent Sixty-three per cent, of those who recall such as experience are able to rive examples. The greater part of these relate to sights or sounds, i.e., remarks, etc., heard or scenes visited, pictures soon and the Nor. Two persons, however, state that they have had this experience in connection with the sense of smell, but

UNCONSCIOUS THINKING

L. "I have purchased a Chinese embredie stand which I have I report presupaed before, not can I recall ever hoster men one blie it. Yet it in transmitte for me to non it without feeling that I have previously owned and used it." 2. "When driving over a new road is a part of the country where I had never been before, and of which I had never seen pictures, it seemed as though I had hees over it before under perfectly identical circumstances." 3. 'On mosting strange people, a word or look will convince me that I have

seen the same thing foce by the same person is similar circumstances." 4. "Sanctimes I find places which seem to be places I have seen before, and I often find them to be places I have dreamed about."

SECTION PL: HALLUCINATIONS

Reports of halloctestiese; that is, images that appropriet on set exist in the objective sense; make up a larger shared strange mostal phonomeron. This thorough several depends hearing shared strange in the strange stranger of the second between stranger of the stranger of the second stranger of the second between the second between the second second

That some hallpoinstines are products of the subconstitut seems certain. The hyprogeogle illusious or 'Inces in the dark' that appear on the berdariand between

steep and wakefalmen probably full tate this category. Choose, virious, doppedgraper, speyths lights, and some UFOs may be juite producte of suggestion and the subconnectors. In the third pages seen in crystal balls, which are it assesses optical playbutter. The subconnectors in a right lode of strange images which, like the ourcourtness of an approache writer, are foreign to the neural connections individual.

The dark mystery of hallocitations in likely in the attenti that call forth end shape these images. Why do so many see ghosts, lights, UFOs, religious figures, and other well-defined outsports of images.

- *PLD Doppelganger, doubles
- PLF Faces in the dark, hypnagogic #ftu
- PLG Apparitions, ghosts, vistoes
 - PLP Perolic lights
- TTMs advancation and included in Vol. 71.



PLF-001 PYPMAGOGIC HALLUCINATIONS WITH CASES ILLUSTRATING

Yawger, N. S.; Journal of Abnormal Psychology, 12:73-76, 1916.

In medical writings it is selders that more than exection in made of some hallocinations, though they are not of such uncommon occurrence and occasion-

ally we are consulted as to their significance. From Diblo-times down there sleves have been persons who beheld visions and history properly many instances where men of gentles have had either a single halterteatory expertence or how-

psychologist. Haury; subsequently, the matter was given consideration by Kraepelin, and is this country it is mentioned by White but for the most part

These carious experiences are fundingly known as visices, and, though issociet in their nature, reight he mistaken as herobling some grave meetal disorder. Is discussing the subject some writers have included phenomena of the special senses manifested upon wakening; the derivation of the word hypeago-

mostly visual, those necurring upon wakening are more likely to be associated with hearing By hyperspecie phenomena, hallocinations or visions, we understand those one kinds pass regests before the eight. While in some individuals such halfu-

cces. The character of the visions vary; at times they assume architectural forms. they may be of streets or of interior decorations and is other experiences pur-

sees are represented either singly or in groups. These recurring somes are High to be more or less of a similar character is each inflyideal. Case 1. A female, aged 72, long a sefferer from chronic rheumatic arthritis int whose hallocinatory experiences artedates her invalidism. The visions

retiring and always with the green closed. They are of no narrisonar type-Scores from source, different patterns of lane and constitues human heads with distorted features. Once, this individual rangits queter a nastic with degree standing room. It appeared to her that the entered the structure and walked along a wide corridor and into a number of large vacual rooms. Case 11. Then is of a postloworane, aged 47, of smartal intelligence and in

exceptional houlth. Her own statement follows: The visions appeared first at about 15 years and have been continuous over stree at longer or shorter intervals. Separtirum they among for senaral consecution whole and thus sometre away for moothy at a time.

So far on I can haden they are not more likely to be with one when I are comtired or distarted in what. I serve tan no restroi over there as I have reseated to endeavored to recall the eights but without success; again, when I least expect then they appear. Shough peace until after having retired. In character they are bearrards, one soons appearing for a few seconds to be followed a represent later by a states entirely different. I regard their development with great interest and subvisced. At tieses when others have been in my rooms I have been pleased to expectate them with descriptions of these visions as they appeared

F-001 FACES IN THE DARK

you by one. Though my good are planned. I know I are fully analog after how could I describe the sights accurately of the time and furthermore how the My experiences are almost invariably of a pleasant nature and through many seen or read but seem as cettrely new creation. To me a singular feature to

As in the subjects of these statess. They are accounted from nature of

and hangings, all of surgeous has and wondrous design. When I distingtly see

interiors, patterns of tapestries and decorations, they are usually in oriental style. Most all I see is so beautiful that I long for the power to reproduce it Once. I vividly recall that suddenly there appeared lying upon a highly my hand, jewel, of real shape and about four inches in its greatest length; This used was a most besutiful, etch, abtuing topus, not to a golden social and in the

eight. More frequent but less elaborate experiences are with me as I waken. These are usually associated with hearing and consist for the most part of labbering, was see distinctly entriving these words. 'I gold my million dellar debt to E. P.

Andre. " To me these words are always meaningless since I can associate In the latter case cited the visious began at 15 years and in the former at 40. This, according to Steen, is unusual. In speaking of such manifestations be used. "These are more marked in week and as a role discussor when while

life is reached." He cautes DeGutery who wrote. "I brew not whether my reader is aware that many children have a nower as it were of painting upon the darkness all sorts of phartons; in some that power is simply a mechanical affection of the eve; others have a voluntary or sent-voluntary power to dismiss or secures such charicens; or, as a child once said to me when I questioned him. about this matter, "I can tell them to go, and they go, but susptimes they come

congrigaces may be physically healthy and entirely none. The phenomenon to One finds among psychologists various theories accounting for hypeapogic

ballarisations. In some general discussion of gualogous states James ages, fue to stutting off the drainage through association paths, thereby nating more

intense the activity of those cells that retain any activity, until finally the accurra-Another theory lays stress upon the approach of drewsiness, at which time the sensations cease, consequently, we have an absence of their reductive power;

FACES IN THE DARK PLF-00:

in other words, the channels of comparison being stat off, there is in operation no total down process and thus the imaginary sights are permitted to spring tale excitance unconcern.

and o Ald Averages --- DA

Assessment Society for Perchical Basearch, Journal 4-163, 1880.

the Editor of the Journal of the Society for Psychical Research the second of the column of the matter for recognization about the to me to some respects analogous to creekal-vision, is at all convenes. I see a ware light sheeper, and frequently begin to see dream trapped while my brain is so for awake that I can study them and register them is my moreovy. We for an income make set, the response of their supervises in an follows. I close we even and use the broken blotches of light on the dark ground of my syntide, which are I mercute. The recruits of light ingressions on the rating correct to work receiv-Account these, ever since I was a child, the first direction of the attention to them always conduces an appearance of moving brown mark, interespensed with little before are expected and high brown. When these go cut of the field of sight their metrical chance, and there is its assessment conventional become and forecast These case were late coloured makes, which suddenly success into definite micthe property becaming stand and the lines definite. I have seen a medials pages, the occours becoming vivid and the times deticate. I have seen a readisc out overeign, with one counter taken out and bring benink it on the white: or, made, I have seen a dire, non-burdeous mans of orders undistrib light us not the storture of a hriffiget consing shy, against which rose the head and about form of a ture of a serious evening say, against writer role the second and appointed of a of old counted small blocks of stone, and my mind has busitated us to which murwhile I was sufficiently suche to position them to my moreous had it has been martens to watch the respect at which they become definite impressions on my nation. Leatened of years appropriates of our connectous ignorization. I have bud the retire. Lestend of more suggestions of my constitues imagination. I have not the reting after waking. The fact of their thus cuicketing morns to we to view force. to Mr. Hours' arrespond to last eyesth's Journal, stem the fast mores to mostly to Ser. Repetit Regardent in that stoom a sugress, state the last appears to me

Militarization of the type of which our correspondent's experiences are interesting exemptes have received the name of <u>literiess beyenspectures</u>, and have been described by Monry, Wolfer, and others, Wr. Liercy given a general

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N 5.000 II LUSIONS HYPNAGOGIOUES

hashand, on I have often done stoon

W., A. M., et al: Society for Psychical Research, Journal, 4:276-276, 1800.

To the Billier of the Javanil of the Recipt for Provinced Research. Size. — A lister in the May domined in the claim subject having interested or deeply. I are embodement to address you, and to relate my own experience, now I however that it has a resulty designable elevation caused our "drawn-tases." During my mother's lifetime, the and I other discussed our "drawn-tases." Green, easy whose by the product of the discussed our "drawn-tases." Greens, easy who tige asks expect with our eyes size. The press one-gift well-dresses, easy who tige asks expect with our eyes size. The press one-gift medi-

them quickly enough in words---such as "lovely face, golden hair, &c.; hideous face, glaring even, making grimaces, none long and rod; pale, cadaverous face, much lined; lawyer's face, wig and spectacles," and so on indefinitely. Last mosts, for instance. I had test not out out evelight, when I clearly new, on a black background, a skall. I had the instant before been thinking of nonething widely different, and nothing had happened all day to bring such an object into my thoughts. In fact, I had not time to think of it, before it varished, and in a second was succeeded by a vision of angels. They departed as speedily, and were succeeded by the more prosain procession of "faces." The odd circumface ever is to my short-nighted eyes, I could not put a name to one. I never seen each law before. My mother and role "laws." and imported barself if I closed my eyes is the ductisht when in health. Like your convergendent. I frequently see definite pictures too. Glorious sun or mean lighted landscapes. mountains and rivery, grand cathedrals, village spires---all of these, too, seem familiar, but I cannot remember to have ever seen them in reality. When iff of a fever in 1884, I now empaintly faces and occurs, but instead of molting augrentiously into the next picture, a blood-red voil seemed to gradually descend, was the insoftable conclusion that I decaded closing per year. This I remember happened in broad daylight, and I described each picture, as it came, to my

I hope this rather lengthy account will induce others to relate similar illusions, with a view to their being acceptically explained. In it "much stuff as dreams are made of?" "—-I am, do... (A. M. W.)

To the Either of the Journal of the fociety for Perchical Sussearch.

So, — A latter on "United Hypogographics" which is morted in the last surprise of the Court of the Octotic for Probability Social Socia

or 14 this faculty of state was encoedingly developed. Every sensing after I had pass to be all and declored my open I began to new insugar of remarkable distpance to the passes of tangen in an elevant in custom, and each of them was comparable of very building.

Association, the contract of them compare, as we as a parabolic order of them compared to the compared of them compared to the compared of them compared to the compared of the compared to the compared to

burrier had followed real once which I had need and assets in the receive of the day.

The distinctions of these curious trages was often striking, and when, for instance, I are images of my triving and relatively, these images ware far spore like the real previous than what I much volcaterly; represent to myself. To this you how reaspected these images could be, I will fell why who one assepted these images could be, I will fell you who con-

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beight of time complet in a direct.

May I ask these quantions——

1. What is the count of the white or light your light one mass in closing one's

ower? Leave many people who notice this light its rowns perfectly theirs, and then as alway come as first governatival forces and then figures. Shallers any that these form often into object to the one. S. Apather ports in deposit is, are the figures always occupied? In light elegating lower tried to solvine this. In our constitutes only the part developed to builties before the contract of the contract of the part of the

 Take dreams are in my superionce very common (though some people my they sever experience them). The usual tasts seems that of fruit. But dreams of enselling appear to use to be zero.

PLF-004 FACES IN THE DARK

PLF-064 APPARITIONS Oursey, Directed, and My

Oursey, Edmand, and Myers, Freekeric W. H.; <u>Sheeteenth Contary</u>, 15:791-615, 1884, and 10:48-85, 1884.

In the late Missessch Cottary, the Sortety for Dwythold Research, in Gord Britain, manuscate in Internote smaller of testinassies describing various profiles essentia. Striffiar stories against frequently lodge in the pushes and overall magnitudes, indices. Striffiar stories against frequently began the part and the little of repeatable data that especialistic little of these. See the strip of the strip o

The next accord was sent to us by the Bar. A. Shaw Page, Vicar of Soletay, Stock-base, Glorester, in the words of his sister, Nias Millicent Anna Page, We as unknownstably only constraints it.

I was staying with my active is county, the Bittableth Broughton, with of the Edward Frenchison of Bulletonia, and described in his for Calculal Benedits.

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we when the first place. On we call a section in Italian, Italian is later as we will not for the control of th

PLOUGH ARE THERE OBJECTIVE APPARITIONS?

Waltace, Alfred R.; The Arems, 3:129-146, 1891. Affred B. Wallace, colounder with Durwin of Evolution, communiced in admirable

exists to be explained. In a second article in The Argen (\$257-276). Down comes, not in front of the "maintralian" broadenis; that is, appositions are due to the screen of the departed. In this he totage for Millians Crooken. for Oliver Labor. Everyone who leeks an interest in whatever browledge can be obtained bear-

Receased in England and in America who have devoted themselves for more years to the collection of authority cases of the various kinds of apportions. These cases have been all personally investigated, so far as was possible; the systems has been although either from the actual witnesses, or, where this was not great cost of type and labor; and, finally, the whole body of facts thus accuralated has been systematically arranged, curefully discussed and published for the evolution collected and recorded with equal care by the late Bokert Date Oven. consession of a body of facts which regit to be sufficient to realis us to arrive at some definite conclusions as to the nature, origin, and purport of those paralling phonormena usually known as ghosts or greatitions, these terms being hald to technic melitory and tentile so well as visual impressions -- the operar-Before properties bother I wish to polet out the inestimable chilipation we are under to the Deschied Research Botter, for being presented the outdoors

facts, by all who have taken any trouble to languing into the amount and character being olitogather worthless. This change in edecation public opinion appears to be dee to a combination of courses. The cureful proliminary investigation into there will any other phenomena. The number of men covined in likerature, art. compelled assert to the proposition that the several classes of apparations known

"In "Phontagens of the Laving," 2x. 8vo. and the "Proceedings" of the Society

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and this programers, whether visible or travelate to proven a general, each is and programs of the (1) Section 1 and 1 and

Section for Psychical Bassards. Part XVI., 1866. In these papers the salence todepublic flower is set forth by Mr. Podonov with abstracte betasses and sentenced the salence of the papers of the salence of the salence of the salence of the salence expressed are, however, only a very little in atrance of those of his fetters worker. a rais som repaintly by Mrs. W., in two, a long of size, and her eterdangiver. B was some districtly of the recent competent discore, as when dighting discovered the second size of the second size of the second size of ing at buttledners and districtment. A viete was alsee districtly beautify both the ladies. The description of the figure is the two ladest gareed exceptionly, and the second size of the beautiful size of the second size of the s

who have never before or since bud any similar experiences, and also to a buywhen at play, seems atmost reconsently to imply seems real object all visitors, put they buth, as well as Surgene-Value W..., are positive that the form could not have been than of any timing person.

An openity remarkable case in that of the young somms, druped in white, which, is internal obtaint see yours, was some by Nr. John 3. Marry, Mis three which, is thereined obtaint see yours, was some by Nr. John 3. Marry, but three

which, at Intervals during top years, was soon by Rr. John D. Marry, Ma Lie diagofore, their severies, and partially to the behavior force of the diagofores, and provided the severies of the properties of the provided the severies of the provided the severies of the provided the severies of the severi

An observed for one of making rights were where the relative process of a billion of the complete of the relative process of t

As it yes not establish profession with all and on extensionable in the soun were local landchings or harmonizing, often leasted all over the house and by swept insudes, and constructing ansatify from twelve to ten in the meetings. Socializes a second was least fill be hat professed by a curt leastry's factor with vitro heary assignaced was least for the hat professed by a curt leastry's factor with time harmonized registeries it lives be all professions and the second second control of the registeries it lives be and the curtain country as sould be the residued, and least the curtain control of the curtain country as a control of the least social country and the curtain country as a control of the least social country and the curtain country as a control of the curtain country and least the curtain country and the curtain country as a control of the least country and the curtain country as a control of the curtain country and the country and the curtain country as a control of the curtain country as a country as a control of the curtain country as a country as a control of the curtain country as a country as a control of the curtain country as a countr

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6) Philanama share objectivity is indicated by definit generalization of the property of the property of the control of the

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Lives should manifold the shape of the board figure to with, sea by these persons, firsting over hading the fine down the ground, when the horse necessary to be the second of the person of the first the second of the state of the first the second of the se

in the remarkable account of a hausted house during an occupation of twelve

months by a woll-known finglish skareh signilary. He very different behavior of degs in the presence of east and of pharasanal distributances in pointed cut. When a stronger was made to on the viscaries, the slope pays open planes and the element. Body those were much belost and more distribution, the sweet window to be several. The stronger was a stronger of the same than the size of the season of the same than the same than the same than the same than the sand in have been some partners of this say other members of the senditurence, and "list act shall police, would make that way to our before often or the senditurence.

and to have been more percurbed than any other members of the establishment, and "Il not also up below, would make their way to our budycom, down and it is a first the second of heart and the second of heart and the second of hearting in a header at Hammertentiff near Lendon which weed on for the years, where they not not come heart of an almost assumence, — "The day witness incommantly" during the disturbances; and, — "The day of the commantly" during the disturbances; and, — "The day of the command of the com

second of four settings [8].

Second

to these methants. In one came, however, It is suggested that the sign neight have been mobilely lation (III?— In the recentralists encountry General Barrier, C. B., of a pharmaceal poor, and rater with two native grooms, seen in India, two days white interestinately and crouched by the penetral's side giving less, frightened whenpers; and when he pursued the plantamen the dogs returned lovers, though and in their occurations.

they were ble mass fulfill companions.

The description of the description of the descript for Psychiat Research. The contemplate of the description of the descripti

So, is the distructured at Epocuris Thereasage, an account of which was given by the critical followings, after describing across positions are of cross and glasses from the control of t

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Detel, where collins were overtupied is looked vasils, and the case was invasigated by an efficial commission, the horses of energy proper stating the comtractive were data to aluminal and certifed that they became covered with result and faces. Becaming they three thresholms on the ground where they strengted in substrete larger, and, notificial and the force data for note it is recently a security.

avoral died within a day or two. It this case, as in so many others, although the commission rade a most right investigation and applied the strictest tests, no natural cases for the disturbances was ever discovered. In Dr. Jostinus Karmer's account of "The becrease of Prevent," it is stated

In Or. Austinus Naruser's account of "The Secrete of Preversi," it is stated of an apparation that appeared to her during as celler pear, that as often us the apart of the secrete of the

splitt appeared, a block terrior that was kept in the knase seemed to be sent of its pranounce for no occure was the figure purespilled to the Searces that dog rax, as if for protecties, to occur one present, often bowling loadily; and after his first sight of it he result never counts along of sights. In this same

then the first man the granteness, so come one present, often teering oxedy, as an after this first sight of it is need never remain since of tights. In this case one one say the figure but the Secretar, abouting that this correspondence is not proof of the anticepting of an apparating given to Mrr. B. Dale Owen by Mrs. S. C. Itil, who was perceasily conjected of the main lates. In hausted ran bed in the late of the main lates. In hausted ran bed in the late of the main lates.

(bil), with this picture of superior of the control of the cont

appeared to the interessor test or, who are appeared or the wide lady appeared to the interessor is brother, we find it staided. "The fitter right be saw the day crossed and store, and then set as if driver round the room. Brother one settling, but hands a set of metile, and the poor only deviced and tried to leafe, and cover again would that dog go to that room."

First this extract of cases of the effect of Pearlanem on articular is contained.

homes of trained as of histories in, agit and in species of the set of the first of

matters doubt it alreads for the flag declarate or passaneous of the content and the content a

APPARITIONS PLG-001

brain of a simple person up to forms which are not only visible to all present, but are scenetimes targible also, and capable of acting with considerable effect on ordinary matter. Let us consider a few of these cases, taking first these recorded

in the publications of the footiety for Pepublical Bassacock.

The phastimation discretified by the address Organization by them both to the phastimation of the phast

the term of the second second

stated that "down opened and that in the house without apparent ounce," and "Velle were rough in the middle of the injute, examing oil the household to turn out and meant for thoughters." Again, in a house where appareitions were near by four persons, there persons sitting langisher in a room were sittented by the down creating, "lost we exhibited in clearly used to absert one thate, and it revealed to "the property of the person of

access; mission fasts its assistance from one seads writer descensing one trains and one of any litting powers impossible, in the cases already referred to, given by the bodgene is the deptember dates, shown frequently opened and abast, and pintures, checks, and other artistics were theread sown with a great crastal in a root where there were no use at the time, while another petters for in freed of the last, in all those cases are intelligenest an evergraped with the evidence alterheld

Bit all those cases are instigithent as congrued with the oriolent subredty by the bill-ringer of rever Results, 87,650, and it sites princes, as above the bill-ringer of reverse Results of the sites of the bill-ringer of the sites of the

The pollutation of the determines in the layersh (secral) brought the account of an idea that the highest production of the determines of the layer of the layer

politicals failed for an assessment, as easy or overe some consequences, and the second of the secon

other at all similar to them, has my trick been discovered. They must, therefore, be clusted as a form of humating, comparable with the knockings and other distribution of the control of the control

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whole's claim or revenues to more present, cith in size have some procuping.

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Ten first person brings whose right indexciption were obtained, real a low
Ten first person areas Markets, whis, in 1464, was extended and freed for abtended become in good of superiors or stategy in largetime and gives as
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souther is all greates desired the malations, and amountine electric others had been also suspected of a photographical position of the process of the proce

section of an above to Province Measurem. But they cannot much import totures to, because they have sentence on the ads of criterious pleading of the section of principal pleacements, and of furly estimating the weight of each of the extension as appearing to a section of the province of the section of the reasons. In this first place, it is experimental evidence, and experiment to exactly possible to the first province of the section of the section of the exactly possible to the first province of the section of the section of the formalist to there. And, I further adenti, this ordered was no longer to the formalist to there. And, I further adenti, this ordered was no longer to the possible to the section of the se

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phasisses are to be ordinated by the various affects of integrity and that there is no ordinate of the criticates or deputities apparation energying definite periodism to space, when the camera and the sensitive plate have again and again proved that not operate phasisses de entitle plate have again and again proved that not operate phasisses de entitle the approach of the accordant is a small period ordinate. The contract of the ordinate provides and deputity. "Harvet cold with the whell exigs of the plateness to be supplied, an according entity representative to supplie or any other provides and the contract of t

I have now very briefly surrenarized and discussed the various clauses of evidence which demonstrate the objectivity of many opportions. The several groups of facts, white strong in themselves, gain greatly is strongly by the support they give to each other. On the theory of objective reality all are harrymicus and constitues. On the theory of halberination, some require elgherate and consequented theories for their explanation, while the great bulk are south inexplicable, and have, therefore, to be impored, or set aside, or explained near. Collective ballerisations one-called are admitted to be frequent. That réprésante often behave like objective realities la relation to material objects and to different persons in also effectives. This is as it should be if they are objective, tat is hardly explicable on the subjective or telegable theory. behavior of animals in the presence of phantamas, the evidence for which is as good us that for their appearance to men and women, in what we might expect if they are sheermal restition, but twolve enormous difficulties on any other theory. test of objectivity, and are far too remercus and too well attended to be bravered or explained near. And, finally, comes the test of objectivity afficeded by the photographic curners in the hunds of experts and physicists of the first rank. rendering any course from this constation streets impossible.

These contracts the concentral reason will be presented.

An ordinate the concentral reason will be presented.

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ELOUGO AND SUPERINTERNATION AT MOME Acceptance; Literary Dignet, 51:314, July 31, 1919; 51:669-670, September 25, 1915.

saved to conjectic intervention. The housemby boots are said to have appeared on and secular papers are now discussing the credibility of such stories of miraquleas intervention, and a Church paper like The Guardian is obliged to asswer the scatests of some of its readers against the warring it offered "In the matter of undue regilizens to believe stories of the mirgenloss." The origin of the story now seems to be discovered in a "little essay in allegory" contributed to an

evening caper by Mr. Arthur Muchen. In a letter to The Evening News (London) "Acres time to lost Settember I was thinking of the terrible and herror retreat from Mone. It is many years since I have told a tale, but nonehow there was a fire in that history that burned in me, and made me wish that I could celebrate it is some poor fashion. And so the tale of "The Bowmen" came into my head, Very, wory briefly, it is the story of the British ignored at the point of agrees and despair, hopelessly outsandered in men and pure. One of our soldiers involves of the Agineourt however in array, and the German host in annihilated by their ghestly arrows. That is all. It was quite a sizuple, ordinary little legred of the better. I may say, once for all, that I had beard so kind or sort of runner of any anighted interportion during the retreat from Many, nor are faintest upho of

such rumor. 'The Fowmen,' an pristed in The Svening News, was investion as true. The sterry said so. The Army said so. The organists said so. All sorts of varue authorities---'as officer,' 'a soldier, 'a correspondent'---were quoted to show that the incident of spiritual intervention, or something very like K, had actually happened. The names of these witnesses were not given." Dr. Hoeton, it now appears, was satisfied by evidence "not first-hand or even percent-hand." But Mr. Machen, after going to see him, found that in any event tion during the relevant from Moon. From what I housel regard from an array regular He told me that all the man who were in that retreat were chanced rees. They had

The New Statesman (London), one of the power English weeklies that treat guardly of politics and literature, leads a hospitable ear to the story, viewing it is the light of many accepted instances of angelic participation in the affairs of

all burse with a stains. When she was in her thirteenth year she was repotent a the other girls cried. Vegges, I see you firing close to the earth.' When she was

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marting alterment a yearh areks to her and told her to an home. For her mether needed hoy. This youth was really an armel. for when she went home she found her mother had not sent for her at all, but was angry with her for loaving the sheep....

"The story of Japane of Are is at least as incredible as the story of the second at bluss, and not how many of us in our hearts disbelleve it? John with her sagers, one consens with his damon, is a righter too vital in the grave procession

Do we believe in angels? Do we disbelieve in them? We know nothing." The Grandian in its afficial councily reminds the correspondents, hour and of the common degree of contrator two party different things.

"They fall to realize that the line to broad which reparates helied in a

general possibility from belief is a specific alleged event. He would be a poor affairs: but he is perfectly entitled-subs in indeed, boundaries refere contents

Mana, west exchang of people were ready to whether their faith to constitue for readings to believe without evidence, and the confunction which was forthcoming

realizates to believe without evidence, and the explanation which was rectscoming almost before the lok was dry upon our caption to our complete instititution. In sense. In each mattery we all have the will to believe but we injure rather than help religion by overreadings to accept current talk as ontchoose entherou-

seath our dairy to createst the sourced arrang from valgarization, and we are failchatter, or, so to the case of the openia of More, as indirect extend a closure chaffer, or, so in the case of the angels of Moon, an indirect ects of a cover and deliberate imagining. Nothing is more natural or more horses than to long. in difficults or ensergency. Are a size from Beaves, yet such a longing in a reason

normalism of faith. for, after all, it is by faith and eath very subfers by sight that we have to walk. 'Taith in the substance of things bound for. the embers of So physicises of religious psychology has of recent times been so side-spread and marked in its results as the rounted incident of the "angels of More." The story of segulic amparagues and participation to that engagement to Referent paythe the Tests to be a force and billion has been told to these more. But what

of the phenoresta which are stated to have occurred would almost compensate for the horrors of the war itself, "doctures The Christian Correspondently (Lordon) is a lower efficient. "It would stress than their reference faith, which has been greatly weakened by the war, and would revalured belief in the pastice of the cause for which so many men fell during that magnificent retreat and almost

gaited general credence." Recuse---

"The low or extent of experiences in the part of the description." It has, briefled, been said that description there is in force on such to destify preferred in the preferred in according to a flead of a least preferred in according to the flead of the cover. That there are multitude at classically and considerable and confliging men and senses to the flead of the confidence of the conf

'presents a curious mixture of circumstantial statement that might ossosivably be true and of literary lasey that is admittedly fiction':

"No. Index Order of Secretary Reports have no accordant of the project in the secretary Reports of the secretary Reports

But the stories. Mr. Shirley discovers, were widely corrent in France at the astual time of the retreat from Mone, nearly a menth before the journalist published his story:

"We select typical nurratives, not all of them from Mr. Shirles's panaphies.

A face-correct, whoeseestly would ask own is as Equitab leagues, but his more is the experience on or short Agent, is he declares that he are in california, so creage glob." which because implice cent he could return these observed on a large, between one part has red states from the could return the experience of the country of the experience of the e

"One of the most circumstantial stories is that of Private Robert Cleaver (Mr. 18515), of the list Cheshire Regiment, who made deposition on sith before Mr. George S. Haalshurst, a magistrate is the courty of Pittst, on August 20 of this year. He stated: 'I personally was at Mass and saw the vision of angula at the blackest with our troops, who were lying down for cover behind talls of it as a "Mash." may Mr. Bustsharet. I soked him if the spacin year mounted or He could not so more than that the appearance was as a "flash." The awairy horses rushed in all directions and were disorganized; the charge frittered away, but it was cuite refficient to turn the German caveley. ' Boy-A. A. Boddy, vicur of All Saints', Sunderland, who lately returned from the

frost, declares that he has had several opportunities of investigating the stories. hattle of Augustovo is October, 1914.

"They stand much on a level with the startilar stories of 'Visions, Pre-Visions, and Miracles is Modern Times, described by Mr. E. Howard Grey to

a book bearing that title which makes its opportuse appearance and now. This records, for example, the lights in the sky sees by many people during the Welsh Revival, and contains much about predictive dreams, prophecies, visions, and of which there is a superalundance in literature. The extraordinary frequency of all that runns of asymptomes which the Pourhand Research Society estate to investigate will not find it bend to answer. Others belief in the view stated so the caree time in the suivitual world and the natural world---and it is not difficoff to imagine that in times of great spiritual application reen become aware of presences and powers to which is their normal lives they are structure. Syndephora said again, with equal significity and conflicted, that the spiritual world is where the angelo are, and the natural world to where men are but

regultur. That contition officers us on little as the rather pathotic position of those who seek quasilectal testimony to the existence of a spiritual world, in which our own world lies cafolded, by inviting soldiers to make affidavits in proper form. Whether impernermal manifestations were seen in the skies at Mone is, of course, a matter to be decided by eye-witnesses, and the sorre over witnesses there are the better. But we would not build our faith in a spiritual prove them liberally true something parallel to the materialism which denies the ages and lands of such stories and the readiness with which they are credited as

etre, within our world in more beword our knowing

PLG-003 ANGELS AND UPOS

Bord. Colin: Flying States Review, 18:17-19, September-October 1972.

It now appears very blody that the UFO phenomenon of lights in the sky has been with muchind for of least as long so there are written records. Some renear there have suggested that religious reports of measuragers from God are also an aspect of the historical UFO seese. The difficulty is correlating these reports with current reports of visiting UFO entities has to the lask of detail in the Biblical accounts. This is not really supprising when one removedness that the medium. A report of a Biblion type of visitative written with the detail and observation more approximating to that of a protect-day witness could be of greater motatages to researchers than the vague descriptions found in the chireligious documents that are normally at their disposal. I believe that such

New York, who chairmed that between the years of 1820 and 1822 he was sectantcommunity, and Methodists, Eigelsts, Presbyterians and others exerted continuour pressure upon the uneophisticated population is order to gain converts for their own particular sect. The 14-year-old farmer's non was not a little oneishmore. he felt himself being overcome by some inducers influence and unable and force, when a pillar of light, brighter than the sun, amounted about his boad enously as to which of the contending meets he should join, they replied "None."

At the and of the interview Joseph "yarse to himself" and found that he was

After then initial contact, sothing further occurred for three years cetil east night while Joseph was in bed, a glowing estity appeared in the room "standing in the sir." This being assessmed bireself as Moresi, a messesser from God, or that it should be both good and etil spoken of groung all people." Morest then The room began to darken and the glowing individual ascended in a conduit

of light. But the excitements of the night had not finished. In fact they could karefly be said to been house for white forest was still thinking about this

amazing visitation, the room began to brighten once again, and the name cettly reoppeared at his bodistic. Without the learn variative the repeated his provious performance, and then under seven propheries requesting vary. Incains and putilizance that were soon to fall upon the works. Be then retreated as before, the rest of the property of the rest of the property of the propert

there, convolutioned by the recent occurrences. And yet a their time the gloring portreaga appeared and ugain west through the outer measure, and this time warred Smith against having any shoes of obtaining the gold plane for his personal gain. This, he was told, would not be allowed to happen. With that, the figure of Montal disconnected in the arran montant as before.

gain. This, he was bid, would set be allowed to rappea. With this, we upon of Morest disappeared in the same manner as before.

It was by then daylight, the contact having taken the whole right to complete. Even so, the infortiention was not yet firstshed. The following day Jeosph found himself to be weak and orbanated, and was unable to week. The fallow new Ma.

binned it is be weak and coducated, and was unable to work. His father now bias necessarily and eved him bones, and as he was conseque a final, he fill unconsiste upon the ground. Ones again the assum measurager appeared, and one work of the contraction of the

have to do as the hall been interested. To James Month were to the efficient MI.

and found the interesting digit failure wilds a state not be related to MI.

was tall to linear them for the last years, but to retare on the satisfaction of the ground. He

was tall to linear them for the last years, but to retare on the satisfaction of the

satisfaction of the sati

become the present of the control between the specific of the time was predestinately of a same requiring artifage stars, the magnificial many resented in a redight content, but not to that prevent the same presented in a redight content, but not to that prevent of Tultus, Guidandi, and and several other place. This agreeds that prevent of Tultus, Guidandi, and and several other place. This agreeds that prevent of Tultus, Guidandi, which is which is not according to the same prevention of the same prevention where it which has no according-boild religious belluti, but so the productions which is consistent who have been consistent to the same prevention of the same prevention of the same prevention of the same prevention of the generally severe to be the same. Bearting this execution differences in relattion of the same prevention of the same prevention of the control same prevention of the control same prevention of the same prevention

A reasonable with-authentical appeal which contains described in Children and Child

reseats of ogress and ingress. ⁵
The initial paralysis (skinesis) so originally reported by Joseph Smith can be parallysed in various contact cases. Details among these in the case of the

horonics report Maurice Masse⁵ who was not only temporarily paralitied by

whole collect had fittied constitutions, while more immediate doors prophecias

The interval of weeks, months, or even years between the initial contact and "doubt" I refer to contactees who claim namerous meetings with "spaceman" who had his first UFO sighting in 1946 and contact was initially made during 1952. has first suchting occurred at the age of eight in 1905, and two years later ha had his first contact experience. He was not contacted again until 1941, when he are told of sussed lardings which will take place on specific dates in the future. but which have also failed to materialise. 12 The term "bedroom stattasts" bus but which have also failed to materialise. "* The term "bedroom stallants" has

correct the firsty and Thursdaire. In 1830 he published his translation, which be known as The Book of Marmon and became the bible for his new church. He prelaced the book with an account of his experiences, and with a statement signed by three witnesses to further visitations that happened to them and ferth in 1879, and another testimons from another right witnesses who had handled and examiped the gold plates. These, cold Jeseph Smith, were later collected by Morcel. successful over. From the original group of six friends, his organisation grew

contactnes, but as he lived in a less telerant sectors than ours, he met with rougher trustment than the contactee of today. Apart from the usual ridicals harmonesest of the hands of chergy-inspired mobs, and were frequently forced to 1966, and while availing trial, the mob broke tote the jull and shot and killed kin-

served eventure. If the "grace people" decide that the contactes is a suitable sub-

do take under their wing reay find their lives being controlled and directed to an unprecedented degree. The intelligences who adopted Noward Morney Crarkly sold him that they had manosurred him into some of the bloodiest flighting in the Pacific operations of World War II. They had decided that their message would command more attention and respect from the American public if it were voiced by a war here than if it expe from an individual who had not been endangered participated on their brain or body, and anharmontly than more coulde to one their

is a necessary part of research into the contactes syndrome. To decide just what the contacting intelligences are trying to achieve in far from easy. If one will eventually have experienced, then to have it taken over and controlled by

Pying Success Through the Ages by Paul Thomas, published 1965 by Naville Spearman I.45. The RMs and Phying Success by Sharry St. Downing, published 1967 by J. B. Lincettecht Co., U.S.A. ² The Hanauside, edited by Charles Rowes, published 1949 by Neville Spearman, Ltd., p. 110 (case 42 in "The Hanauside in Light America"). The Hamanoids, p. 50 trace 4 in "The Hamanoids in Latin America"

* For accounts of typical reports, see FMI, Vol. 15, No. 2, p. 21; FMI, Vol. 14, No. 5, n. 2 and The Personnels in 14. No. 6, p. 2. and The Hammodds, p. 194 icase 20 in in Latin American'). Also, contactes George our Passel in a TV interview hovering above the ground, by stepping into an "anti-gravity" light beam in

which he floated up into the supper. In PSR, Vol. 17, No. 5, p. 24, "Uproar for some time in mid-air in a beam of light. FSR. Vol. 11. No. 4, pp. 6 and 8; FSR, Vol. 14. No. 1, p. 6. The Humanoids, pp. 51 and 59 (tames 149 and 158 is "The Pattern Sehind the

7 PSR, Vol. 14, No. 6, p. 3, and Vol. 17, No. 6, p. 26 opreviously quoted in 8 The Sunggoids, p. 111 mare 44 is "The Surganists in Latin America"). This

care has already been cited in note 6 as an example of paralysis. Hee also FSE, Vol. 15, No. 4, p. 00,1 ⁹ The Secret of the Soprore by Orles M. Angelsool, published 1955 by Amhurat Proto, Amhurat, Widconsin, U.S. A.

⁵⁶ From Onter Space to You by Howard Meagur, published 1959 by Succertan Bodes, Clarksburg, West Virginia, U.S.A. 15 PKR. Vol. 17, No. 6, p. 15.

 The Hereanophe, pp. 111 and 118 joanes 44 and 54 is "The Hereanophe in Latin America".
 UCOs-Decretice Troops Horse, by John A. Keel; see Index for "bedreen violates".

Also see Beyond Condon, FSR Special Insec No. 2---"Better, of the Monater" by Jerume Chark, p. 56. 15 As note 10. 10 "Brange Transformation" by Harn Lauritian in Outerpoot, published by

10 'Brange Transferraction' by Hans Lauriteen in Octopment, published by One Depluration, 17 Shetland Street, Willowhale, Ostario, Canada; and PSR, Vol. 17, No. 6, p. 24.
Other sources used: Joseph Smith's introduction to The Book of Morrore and

PLG 604 "WEGATIVE HALLUCINATIONS"

4"Abbalia: Assolve: Secrety for Psycholal Research, Journal, 5-219, 1999.

I am other leased by what you very property call negative halfoctastions. After concrising in value for my pure, fielder, letters, 4c., which it know to have recursioned understrated on my tratter, 1 gives up the unseless task, bugits another pursues and in returning to my table find early overlything where I had lock it, latitudes that is suffered to only any which foresters country while it is string to be a large, which foresters country while.

Two excellent ago! I was reterring by rall from Starvitis, and being slowe in the suggest with on their interface to the Start toward. Be enterpoline to the suggest with one tile interface toward to the Start toward. The enterpoline to the suggest with the suggest with the suggest start to the suggest

PLG-895 "NEGATIVE HALLUCINATIONS"

D., T.; Society for Psychical Research, Journal, 5:144, 1991.

It is always instructive to truce the snalogy between hypestic phonomens and the actions which take place during ordinary states of constitueness, and the

following appears to me to be a case in point.

I was engaged in seme smaleur carpeniering work, and in the course of it is to down the two foot rule I was using upon the carpenber's beach. Shortly afterwards requiring to use it again I looked for it, but it was gone. Surprised

CODE APPARITIONS

over it, but to so effect. Thoroughly buffled I busted about the room again, and

deposited it elsewhere, and accordingly searched all round the room. Not findconspicuous place possible, spread open, and on the top of everything also, plaisly visible from every part of the room. Something like this has happened I do not know whether any physiological explanation could be affected for the the real interest of the case secons to rue to be in the rationale of it. Montal shetraction and indifference to someony increasions have abovely best considered

stead of rev attention being absorbed in other ways. It was entirely fixed on the to the interpution of my work, together with the knowledge that the instrument must be close at hand all the time, that I felt a kind of exasperated earnestness in neeking for it.

The case may throw some light, I think, upon some cases in which articles

PLG 006 STRANGE DREAM PHENOMENON S., W. J.; Nature, 18:387, September 6, 1877.

After reading the interesting letter on a "Brange Dream Phenomeroe" which armeared in Materia (red., and., p. 323) it occurred to my that it wints be excel-

while to gut on record the following experience which corrects in a very striking rather tired by symmetric. I dream; during the piete that some one had externel ray bedroom and was opportunities the reffer under my head with the interview of robber, but test as he put forward his hand towards the hard I began to awake. about at first, has with great colority as soon as I perceived the figure of our reach the corner beforest, turn round, and with measured noiseless also mass along the foot, till on coming between the window and gryself it disappeared, as aff the "ghasts" with which I wan then afflicted were word to do when shone

I did not eleep any more for the rest of the night, and beare an perfectly affording evidence to prove the essential identity which underlies the phenomena Strong, C. E. G.; Society for Povehical Research, Journal, 4:281-288, 1994.

There is a strong similarity between this incident and an out-of-the-body experience.

The Hollies, Merther Trdffl, December 19th, 1891. In the early part of January, 1890, I was at Aberdeen, reading for my second professional examination is medicine. I was in good health, set is any grief or

were two friends of mine. H. T. H. and R. N. de R. H. was writing at the table. De R. was at the plane playing some operatic airs. De B. left the room and went out of the house. Shortly after this I felt reach in the same condition that one does to a had mightenare. I was unable to move in any direction, but felt board hand and feet. I, however, could more my eyes in any direction, and I

I than harmy arrester to see retail on to whether I could possibly be asleen or nor I remarked to this condition for nearly three minutes by the clock. I had a a ward saver from rue. It seemed to be ottested at a level of my shoulders, and

Whilst arguing with project as to whether I was asteep or not. I suddenly searned to divide two two distinct beings. The force that occasioned this was that which I have described above. One of these beings remained meticuless on starts tone which prevented the one from nevering its spenedion with the other. at will I could region the second 'being' lie on the floor, or more some distance the startic force seem to become more powerful. A litrait was non reached at which so effort of will could effect a further severance. This limit was about two yards. When this limit was reached, I could feel conistance to the separat-

ion effects in both "heings." During this time, as before, I retained purfect consciousness of what was happening in the reaso. De ii. had returned. I saw and board him come in; he commerced to play the plane again, and if, was making way faces at the maste. After a great effect I managed to call M.'s name. He looked round and went on writing. Afterwards he gave as his reason for not answering that he though I

was "fooling" him. The dual condition continued for five minutes more. Then feater second to set in. I recision the feeling of fusion. It could be prevented at will. Eventually, with a cartesity to know "what was going to happen next," I allowed it to proceed. The two beings then rapidly setted again. I tried to get into the deal condition again. This second to be prevented by the same force that "tobiblish" me at first.

PLO-001 OUT-OF-THE-BODY EXPERIENCES

I then legan to faith or in theory is account for all these sensations, and only that the intelligation eyes required any similar disseparation. There was a secondate of relating but study; a first constant of the condition. The extraction of the condition of t

I am new in practice as a medical man. This imported of many people we regard for such phenomena and have described. Home as yet when I have aske have experienced anything of the hind. This is my apology for commententing the above to you.

There seem is my practice a case of epiteptiform dual personality, but I do

the above to you.

Than seen it my practice a wase of cell-priferen deal personality, but I do not think that my experiences have anything in oursmon with such cause. My idea was at the time that probably the succer centres of my brain were asless, the rest of the brain being in a fairly active condition.

PLS-CO1 EXPERIMENTS IN CRYSTAL VISION

Annuymous; Science, 14:313-334, 1889.

There is a general tendency, whenever a notion is relegated to the rank of experstitions, to regard all interest in the matter as entire there. Such an experiences, as regard all interest in the matter as energithere. Such an attitude neglects to distinguish between error founded upon a false observation. of facility and error branched seems in the tetermentation of facility in neglects to expressition is rurely a surely familial notice your from the typer consciousness. this latter moved of view that an asserymous lady writes in the recordly issued phonoceses of crystal-vision, and reviews those in the light of normal experimetal. a gars, or even the fingermail, and seeing there reflected certain appearannual results to be interpreted as of prophetic atgetheance. The eurone in very utdespread to the Oriest both in the most pretest and in modern times. I to have received solvic treatment of the hands of the learned before the courts of directions. The Assyriano, the Hebrewe, the Greeke, the Boxaco, were ac-"operatorii." They appear in a church consett converget by it. Dutter to see The state of the secondary and the state of Although Thomas Arrives attributes this power passessed by some children to the board of the death' and thread a special conferentian of it was made in the theological facility of Parts in 1998, the art continued, and in the statement century reached to credit under the ausgices of a court posterial or a settera retrieve how long her seem would never the threes. The topic was brought into a reterior how rong nor nous would occupy the incress. The topic was brought 1000 properties to the work of Dr. Dec. a very entertaining perconage, under when can assectable, one force, or derivate repute, one open remove in sail crystal or show recess who are described in all datail. Moreover, they hold have convermanner with them, tanger went they foure from the "interfect teerings" is often as of that morthformer as to be compared to the vertice of dignity thereof." It to arought to sen by adjets; it is intracountry resource to said; it is placed in a sanctuary, and shown with great reversory. We read of many other uses of the tioning one of the propers down to modern times. Considering the function of the ceretal streets as a means of concentration

the gaze, our substitution of the certain another as industrial account of the page, our substitution of the certain account of the page, our substitution of the certain account of the page, our substitution of the certain account of the certain accoun

conscious. This, of any rate, in true for the lady in question; for she is gifted with a remarkable power of visualization, that gree far to explain her success ni crystal-vision. When desirous of describing a room in a frient's brane, she occupy the same chair. The curpet at my feet becomes visible, the furniture nearest to my seal, gradually the whole contents of the room, till walls and ceiling complete the picture, and I am able to give an investory which would not disgrace as auctioner's clerk." The exercise of this faculty, and experisity with regard to chancement of the unconnectors, seems to be much sided by function "Here, for example, I find in the crystal a bit of dark wall covered with white terramine, and I ask moved. 'Where been I willed to day?' I been no recollecties of such a right, not a convey one is the Lember streets; but to marrow ! will repeat my walk of this marning with a parely second for covering covered walls. To merrow solves the mystery. I find the very suct. and the sinte brings with it the further recollection that at the morasst we passed this spec-I was segaged in absorbing conversation with my correspond, and my voluntary attention was une-occupied." Or, egats, "I had careleasly destroyed a letter without preserving the address of my correspondent. I know the county, and searching is a man, recognized the name of the town, one sefamiliar to me, but which I was more I should know when I age it. But I had no clew to the eagur of house or street, till at last it struck me to test the value of the crystal as a means of recalling forgotton knowledge. A very abort inspection supplied me with 'H. House' in gray betters on a white ground, sud, having nothing better to suggest from any other source, I risked posting my letter to the address so stengerly expedied. A day or two brought me as source, headed 'W. House' in gray bettern on a whole ground, " Agule, "the counties of association, on to all cases of memory, playe as active part in this class of greatel-states. One of my carriest experiences was of a picture peridental and wholly unsupported .--a quariet cold chair, on old hand, a worn black cond-places resting on the arre of the chair, --- showly recognized as a recollection of a room in a requiry vicarago, which I had not celected and but soldon recalled since I was a child of tax-But where expertise vision? What association has conjured up this picture? What have I done to-day?.... At length the clow is found. I have to-day been resulting Dunto. Siret enjoyed with the help of our dear old vicar many a year crystal is purposely resorted to, and after purposes fifth, to see if there he was to teach one to ablere the yest 'to forget' in all its words and torson.

is clear cough without management, all rocked the delicates are given, but the prior is the state as a feet imported released they feet as the field and a released to the clear and the state as a feet imported released they feet as the field and the state of the clear and the three clears and the three clears and the state of the clear and the clear characters recognized were the numerals "LXX." Then it flushed on my mind that he was one of the Juvish elders at week on the Septuagist, and that its date, 277 B. C., would serve counity well for Ptolengy Philadelphus. It may be worth while to pid, though the fact was not in my conscious memory of the morest, that I had once learned a chronology on a morenosic system which substituted letters for figures, and that the magnetic beckeles for this date was, "New Jewish elders indice a Greek com-Our methor while a constitle third class of covetal-visious, executors which

that historically this use of crystal-vision is the most important; and, if we could credit the cridence of worderful facto revealed by this means, we would indeed methodo of using this form of vision for purposes of more or less reserves deception are so various, and lie so close at hard (indeed, our nation cites some perthent cases in which prophetic powers meribed, alleged to a crystal-sear, were "It is many to see how visions of this kind, occurring in the age of superetition, requiring information which he did not recognize as afrendy in his own raind. would inevitably suppose it to be derived from some invisible and unknown source coternal to hirstelf." A large class of prophecies, too, sid in their own fallitment, and, in botal, this aspect of the topic presents nothing possiliar to itself, and may be dismissed with the restless of it streaty made.

We have illustrated in this study the subtility of the relation between the sunprivate and the representate wordal proposition. We see what a small proportion are considerable added to our montal storebosse, and what a very much imporpercent many we in the service of those sever means as connected and the sever sizes are unacceptable and so reconstructed yields the focus of affection. And times rise to associately 250 to monterstancy and the sociated phenomena. See that as much of the mystory that surrounded the montered phenomena. measuring, but is the psychophysic constitution of the subject, so the pheasurement explanation, not in the magic properties of the crystal, but in the mind of the

PLE-002 THOUGHT TRANSFERRENCE BY MEANS OF CRYSTAL-VISION

Origine, R. H., et al: Seriety for Psychical Research, Journal, 10:134-136, 1901.

The following is a case of collective crystal-vision, is which there is no indiof the pergiplects; it seems rather to have been a purely faxcy scene, arising cantally in the critel of one of them and transferred, apparently by telepathy. to and narrie to the home that it may ettraplate some of our readers to try experiThe account was sent to us through the kindness of Mr. Andrew Lang, one of the parenteents, Mass Grieve, being a since of the it was revealed on Canada.

110. 1901. Miss Grien strikes—The Leadouver, Ridsmoore, Burdesterrahme, On zone 1902. C. and proposed. The Leadouver, Ridsmoore, Burdesterrahme, On zone 1902. C. and proposed strikes of sealing specifier. C. took the crystal shall and I fooded over her exit means the gaster of the seal means of the seal of the sea

other two bedieds. Then a train of excepts, seem with ridgers, other is being left, passed from left or right and disappeared below the large greateral. The visits issued about one mixture, and variables distributencesty for both of us. We seek wrete down such things appeared, to me to be assurance and I had no thoughts of gyramedic in my mixel. Bit. Getters, "Size Giverse's friend given her own recollections of the vision are follows.

mass driver's friend given her own recollections of the vision as follows-On the 34th day of Jane, 1901; B. G. and repeal were looking up resorbes for an exam, and we had the crystal hall on the table.

We both booked into it casually, and I at least had no definite thoughts in my mind, when simultaneously we are some praxable appear, one large one in

minds, when simultaneously we have seven presented approximate tangents in corformed and otherwhelms, seemingly to a rew, and covering recent from the list to right a train of assessed appeared. On the first core was a reast, whose features the contraction of the contraction of the contraction of the contraction of the large production of the contraction of the contraction of the contraction of the pyramid and then all manifolds. On the little procession passed cliently recent accuracy of very leaving into the leaft by frequently design to see a fractional.

ARCHAE Gay I was looking into the baff by firelight hoping to see a farcurite coffic deg that had field a year pervisually.

The ball turned all black at first, then a hight spot appeared in the centre and gradually spored nearly all oner fee ball. In the centre of this was a time near.

Finalish sween heary aid over one cont. If me center on the text a love perception of the control of the cont

Outdoor 11th, 1901.

I are nevery to need I cannot need you the recept notes we made at the time;
we left them here in the colleged test term and example first than anywhere now
helves either of us ead anything, and we the est peak with the victor, but
Berths H. Girther.

services. In Colorest.

Mr. Andrew Lang gives in <u>The Making of Ballgoon</u>, pp. 38–29. a case in
Mr. Andrew Lang gives in <u>The Making of Ballgoon</u>, pp. 38–29. a case in
Mr. Andrew Lang and a french of Ballgoon pp. 38–39. a case in
the state of the the state of the state of the state of the color of the state of the color of the state of the color of the state of the s

and the state of t

SECTION PP: PSYHIC BIOLOGY

The centrel of mind over body in races amount to accept the study than many aspects of passparehology. Psychosomatic meticine, in fact, in not amonly considered part of passparehology, although the mechanism of the placebe is cartainly as strangs as the focus that drives the hand of the asimulative writer or only beard user. Purhaps

Everyone of course knows that exertal attitude can affect physical well-being; headorbed disappear and as als other as has and pains when metal conditions improve. The faster that makes this subject attitude for this sourcelest is the suppared degree of certain of main over body; as it raintable curves, reading death and the easing of the certain of main over body; as it raintable curves, reading the sub-powerful whether the complete the suppared on the first own as for metal as all-powerful whether that all and beginning the contractions of the contraction of the certain of the cer

PPB Body control

C Pain control

PPH Syperperception. Connectons and unconnectons abilitize to perceive

*291 Polece telerance

TPH Miracle cures, placelos
TPP Official of purception, figurilants, chromothesis, etc.

PPS Stigmata and okin writing
*PPV Vooleo death. Stating and rectwork.

*FFW Hair blanching and loss
*This subspection not included in Vol. Di.

PERSON THE INFLUENCE OF SUGGESTION ON BODY TEMPERATURE - Hadfield, J. A., and Oxce, M. A.; Larest, 68-69, July 16, 1920.

More than two years ago I published in this tourned a sensor descriptor severimore to akinh bilinteen much produced by beyond to surveyfing. Since that time have made the same attempt in purhyes held a desen cases without seconds. the 5 have recently bud under observation another case of the same bind in which a bilister was formed even rare rapidly than in our province was. I do not more none to describe this experiment, for it was not dissimilar to the last. This case, however, showed a very remarkable susceptibility to suspentions of heat

vane, reverve, see soo a very remarkance susceptiting to seggestions of hear and cold, which was not purely subjective, but produced a vice and fall of temper-stars as measured by the thermometer. The temperature of both hands was taken with the balk of the thermometer held fireds to the models of the color taken with the bath of the thermometer half firmly in the mante of well paint, and found to be provide 1967 . Let 1967. Then segmentions of "cold" were conta columns to the left arm. Subjective feelings of sold were felt immediately. but no change in terms referre book place for three mirries. Then the terms are tes no change in temperature took place for three mission. Then the tempera-ture began to full, till it reached \$5° in the left hand, whilst it revealed at \$5° ture began to mat, till it reached 80" in the tart mann, writed it remaised at 80" to the right. This change took place in the course of less mission, and the thurmoneter was still descending when suggestions of 'warreth' were ranks, which restored the temperature to 80° is the right hand

Later is the day a much greater change of temporature was obtained by sug-Later is the only a many present unange to respect of the obtained by parameter. The putters was used out for a tive-mine with without gloves and carrying nothing, and with both hands free. In order to excellent the improvement to both hands. Suggestions were then made of "cold." this time to the risks are to both bands. Reggestions were they made of "cont," this time to the right are for purposes of control. The arm immediately began to get sholly, subjectively and objectively. In body as hour the terreservature in the left palm upon better. that in the right was 60". It is interesting to note that the straphysical control of the rooms of the time, the circulation backer appearance of the rooms of the time, the circulation backer appearance of the rooms of the time. was the exact temporature of the room of the time, the circulation buttag appar-ently so effect on the skin temporature. The right hand apparent and full to the touch astronait each, and great discontinuings resolved. To the treet the right hand feft libs too, whilst the left hand was presentable in more. Leavise the thermometer still in the value of the hand. I then manualed the right hand the increasurates still in the palm of the time, I mak suggested the right hand warry neath. Alonest immediately the thermometer beams to rise, (ii) at the end of 20 returns the right hand stend at 640 and the fair of 660

or received the right name accord at MY and the tell at MY. A tarrier remarkation inchesion in that, though I have irrelatedly hypertised Belatice of Polo to Inflarenation. As already remarked, I had proviously

produces "suggestion" bilitery to this patient, and a series? Was also produce to conclude the arm with a boated the resonator case, suggesting in the latter to rescaling the arm with a neglect terracemeter case, suggesting in the latter case can there wonth be so poon, enter at the time or anserwards. The resulting was an negocited; but there was no inflammation surrounding the blister, on was as reggested; tax taxes was no inflavoration surrounding the tester, as there was correcting the prints blister produced by reggestion. This support there was correspond in my article of Neumber, 1957, that it is not the influencethe view diagnostic in my arrives of recovery, 1917, that it is not the inflame

integration. This reported was constally surrented by a further observation. After two days the branchic biletor became infected by the silening of the handance, and suggestion the pain was abolished, with the result that in over or three minutes the inflorarization was also reduced, and the hymorecetic and reduces month disthe congrammen was also removed, and the approximate one regions secured are appeared. It was then found possible, by magnetion of heat and pair, to restore appearen. It was then tours presente, by suggestion of next time parts, to restore the wound to a painful and inflavored condition enco press. The suggestion of "realt" but's more marked office than that of "paintenemen" is bringing about the reduction of inflammation.

While I have mentioned those experiments in particular, they were not included citate in this or other patients. I Proposedly reposted the rating and towering of the beoperature of the arm in this patient. This photocrease was produced in other patients, not only by reposted, but by Capital. G. de. H. Deveno and Company

the control of the co

If these sevedentes of the effect of suggestion is below-oad particularly. If these sevedentes of the effect of suggestion is to below and particularly obtained by the purpose of the purpose of the purpose of the suppose of the sup

Laudey, S. P.; Society for Psychical Research, Journal, 16:116-121, 1961.

Some stricing accounts of the Fire Walls, as practised in many different countries and described to some cases by European witnesses, were given in Mr. Andrew Lang's paper on the subject is our Proceedium, vol. xv., co. 22.15. not readers of the Jeanal will remember the equally remarkable recent
lating ourse reported by Hr. Henry E. Bauschurge in the Journal for November, 1900 (vol. iz., pp. 012-021). We think it worth while, therefore, to reprint here in full a letter that appeared in Nature, of August 22nd, 1501, from the pen of Professor E. P. Laughey, of the Smithsonian Institution, Washington, U.S.A. have, as far an we know, been applied in any other case, with the result that

take to slow a Year-President of our liocisty), and who has recently witnessed reaking more crucial touts of the temperature of different parts of the Ere than The very recentuable descriptions of the "Fire Walk" collected by Mr. Andrew Lang and others had proceed a contestly in me to witness the original

consequent which I have labely been able to gratify in a statt to Tabets. ocaces, which I have laidly been able to grantly in a visit to Tabili.

Assess these notable accounts is one by Celenel Congress, British Rankford. at Baratenga, describing the consertment by a max from Baistea, and also a the account of the Fig. fire caremony trees for T. M. House, water of the Society queted to Mr. Lang's paper on the "Fire Walk" in the Propagatings of the Society for Psychical Bassarch, Pebruary, 1906. This satespretrary rile to also de-

scribed by Mr. Praser in the Golden Bough and by others.
That beard that it was performed in Tabett in 1897, and several porcess there arranged one of their having mean it, and one of them of his having walked through the fire himself under the gatdance of the prices. Percetta, who to cald to be one of the last represents of a certain order of the pricethood of Relates. property year, of which circurastantial rewapaper accounts were given, agreeing in all execution particulars with those in the accounts already cited. According to there, a pit was dag is which large stones were bested ged but by a fire which had been burning many hours. The upper steams were pushed over just before the coverage, so as to leave the lower stones to trend upon, and over those, berred to Taken that are one who choose to walk after him. Duropeus or native. rould do no in salety, secure in the magic which he exercises, if his instructions

arre exactly fellowed. Here to Tabiti, where he had 'walked' four years before. it was conversible believed among the natives, and even among the Europeans

PPF-001 FIRE WALKING

I was firether told by several take had tried to that the heat was not felt may the have not that when whose weeps more the notice weep not become firm them who

followed the artest's directions; but it was added by all that reach heat was felt Such absolutely autracriffingly accounts of the performance had been given doubt that if all those were varified by the own observation. It would never with-

I was glad, therefore, to meet personally the pricest. Personits. He is the Around looking malion that I begun means tall discuttled in bearing, with recognition installing inside one a new sees; tank experient in bearing, with incomally installing factories. I bearing from him that he would perform the common on intelligent markers. I learned from him may be would persone and corresson on Westmantey, July 17, the slow before the mailing of our phip. I was ready to pro-Wednesday, stay 17, the day serious me sailing of our stap. I was ready to provide the root of the fire. If he could not obtain it otherwise, but this present to be

TERRODAS US secondary.

Passe-its himself stoke so English, and I conveyed with him briefly through requirement attended appears to respect, and I converged with fain being over an interpreter. He said that he walked over the bet stones without danger by virtue of spells which he was able to siler and by the aid of a goldens for deail as my intercreter had it; who was formerly a native of the intends. The spells, he said, were something which he reads teach another. I was told by others that there was a still older prices in the joint of Baiston, whose disciple he was although he had needle of her one, and that he world "good his major" to become

he consequently may be seen on the what recovering he was refer to make for the wife to the two or three dept before it, by weld by was roles to many there to The clary network for the opposition feetunately was not far from the obta-

I went there in more and histin that a large shallow pix or trench had seen mig., about also feet by twenty-one faet and about two feet does. Lying may be seen a tile containing name cords of rough word and a tile of complet water-year a pile collegering nome cords or rough wood and a pire of rounded water-wors stones, weighing, I should think, from farty to statity pounds arisen. They were perhaps. Did is number, and all of persua bundl, a feature the importance of which will be seen later. The wood was placed in the trench, the fire was historic and the stones housed on it, on I was talk, directly about help on at the Swedyn o'e back At 4.5 m on. I want come weeks and found the requirement years nearly comof size. The first had been belong for reacts for begins. The rates above tourist

the second code at the science of the sale, where they did not have not been but as they appropried the control the others were heapen up toto a record three or for larger deep, at which point the lowest larger were between the owner once have right's red-hot. That these fatter were nevertheless needing out opportunities rankly res-not. Itself these times were nevertheless scenting out creatherance heat there could be no question, though the topesest stones were certainly not redbot, while those at the bottom were visibly so and were occasionally against with load reports, while the flarses from the burst wood sear the centre of the pile passed up in visible lambest toughter, both circumstances contributing to the effect says the envited besteaders The upper stones, I repeat, even where the toppost were presently received. did not object not store to the opp. but much convergencially very had and constant.

bashool regards for racked face. Notice face, become, are not like European same lessed massic for raiked feet. Native feet, however, are not like European over and Mr. Hickareless. the chief grattener of the skip, meetinged that he had know and Mr. Inprayroses, the chief engineer of the skip, meeticeed that he had have self seen charefure natives standing successed with taked lest on the coras of pixes developing stans at short 350° F., where we Durrogens feet could see their rest for a mixele. The stones then were het. The crucial question was, how her

was the upper part of this upper layer on which the feet were to real an instant in passing? I could think of no ready thermometric method that could give an absolutely trustworthy answer, but I could possibly determine on the spot the thermal equivalent of one of the bottest stones tradien on. (It was exherquently shows that the stone raight be much cooler at one part than another.) Most chalcourts areas thin was not an enery thing to do in the opposessances, but I decided to try to get of least a trustworthy appropriation. By the aid of Chief Engineer Stehandson, who attended with a stoker and one of the geartermasters. hinthy distabled at my popular by the objets master. Captain Leviess. I prepared

it was now nearly forty minutes after four, when six ecolytes (natives), wearing crowns of flewers, wreathed with gartants, and bearing poles searly fifteen feet long, ceteasibly to be used no lovers in topoling over the upper stones. appeared. They were supposed to need such long polos because of the distance at which they must stand on account of the heat radiated from the pile, but I had respondented the stores with a layer of one-third the length, with some discourfor her with artire nafety. Some of the upperment stones only were turned over. learing a seperior layer, the long poles being modificatly thrust down between the stones to the bottom, where two of them caught fire at their extremities, adding year much to the impression that the exposed layer of stones was red hot, when very search to the impression that the exposes sayed or stones was rea set, when in fact they were not, at least to the ove. These long roles and the way they were to see, says were not, as send to the oye, amost tong poor and the way they handled wore, thee, a part of the tegentons "starter" of the whole spectacle. Now the most impressive part of the occurrony began. Papa-ita, tall, digntfied. Howev-crowned and dressed with garlands of flowers, appeared with nated

lest and with a large bush of "It" leaves in his bands, and, after going purity ground the fire each way uttering what seemed to be commands to it, went back and heating the stones nearest him three times with the "Ti" leaves, advanced steadily, but with obviously harried step, directly over the central ridge of the coarage to do so directly along the heated centre. They followed about helf-was between the centre and the edge, where the stenes were marriedly cooler, since between my cases and the cogs, sould be touched lightly with the hard. Paga-lin I true sensited mysest was usely court to concess signify with use turns. Paga-till then turned and led the way back, this time with deliberate confidence. Inflowed as an addition of the leader, but shytously seaking cooler places. A third and fourth time Paper lia crossed with a larger fellowing, after which many Europeans present walked over the stones without reference to the priest's tastructions.

attempted to walk is have feet except in one case, that of a low, who, I wan said. Sound the storest too hat and irrenediately storped back. The mise on scene was certainly notoworthy. The site, near the great overs lengther on the barrier reafs, the entited crowd, talking about the "redbut' stones, the notes sight of the hierophest and his medities making the mustnot seemed, the preasurage, of the appropriate and the account message of purposes and along the roles where the occusional torques of flares were need at the centre, age man, the rungs waste on occasions conjust of many wast man at the option with all the stiendard circumstances, made up a scene in no way lacking is interest. Still, the essential question as to the actual heat of these atones had not yet remove, from the middle of the pile, one stone which from its size and position hot or any one of those troubles on. It was pulled out by my avaletants with diffioulty, as it proved to be larger than I had espected, it being of oveid shape with the lower and in the beliest most of the fire. I had brought over the largest works bucket which the ship had, and which was half-filled with water, expectter that this would cover the stone, but 2 proved to be hardly except. The stone

cannot the water to rise mearly to the top of the burket, and it was threen into such violent eballities that a great deal of it buffed over and escaped weighing. The stone were an accordingly and conductor of beel, for it continued to both the mater for about twelve rainable, when, the obtaining county ears, as

PRINONE IC the object set that amount of emportant mater incentively, considerable to the control of the contr

Interface disches, deservent met taat dae celefe of the foresteer has to been formed by the former which length of the trease the solders, and which at all disches added no common the solder of the solders of the solders of the solders of the who standard or got a fine longest best below the solders was no dealt that any who standard or got a fine longest best below the solders and the solders below the solders beginned to be solders and the solders below the solders and the solders below the solders below the sold to be solders below the solders and the solders below the solders below the solders are solders and the solders below the solders are the solders below the solders below the solders are t

me that he have that Papa-tha had failed on a neighborring island, with stone of a maribe-like spatisty, and he offered to test the hast of these benefits case to seeing how long he could remain on the beliest quart of the pile, and he stood force, it may also, from eight he one necessic behave he first the head through the had not been through the his about head to see the head through the head of the seed the head through the head of the hea

he constitute by placing his book, even for a few seconds, between low of the real-bot steam which easily be more placing at the besteam of the place of the Dapa-Ha registed with dispays, "My fathers old set bell more to do it thus may," by I saked him the would hold one of the smaller, super-bot steams in the hand. He premised to do so, text be did say do it. The outer barriers were more reconsisted and a cross of statement or man in.

The outer larginger were new Teconomic and a crossel of actives pressured in, who was laddly done order on the port, left, after assuring report than the stands ground the edge of the get were consignatively each, although the control of the trappet, and done better end lock. The end question is, if repeat, and the color of lock. The end question is, if repeat, after measuring the amount of white hostings in this town to try to obtain other than the color of the color

With the service of the course court of two are access. The even which the service of the course of

relized, but is approximately 1500 to 1400 degrees Pakershall. Which is supproximately 1500 to 1400 degrees Pakershall.

To note label, 2 could externily no depth that 2 last witnessed rabet actually the secones described by the generations ettels, and I have reason to believe that I saw a very favorable speciages of a "Fire Wags."

It was a quick real work of the decript. E was a small clover and interestive state.

It was a night well worth ceeting. It was a renot clover and interesting p of savinge might, but from the evidence I have been I are obliged to may calment regretfally; that it was not a mirror le.

PPF-002 DEMONSTRATION OF FIREWALKING

men of science of Carehalton, on September 17. The fire was contained in two treaches about 12 ft. leng, 6 ft. wide and 5 in. deep. Eurofooted, Kuda Bux walked along the trenches twice, and his feet made contact with the burning oxidors for some five seconds each time. Prof. C. A. Parenti of R. Mary's Hospital sends us the following account of his observations: "Note Bex to physically of the typical, slightly built, Indian type. The sales of his feet properly to assessed features. The akin is not called but soft, as the skin of ac-

eighths inch excure of rise could player was attached to the sole of the rack foot. The skin of the feet way very dry. The feet were washed and dried cavewith a delay of nortupe tex seconds, the temperature of the sales of the feet was amin taken. It was your 90°F. There was no sign of hurrian of the sign

searched without blistering. Tet with the pigmentation present it was very diffiat the cut edge looked very slightly scorched. If this were so, these rottes fibres must have reached a temperature approaching 120°C. Mr. Dighy Moreagh, who had much an otherge to carry out a firewalk ten days previously, made a second esc. The soles of his feet had a number of bilisters on them, which were in the to referre. Underweath it a born negatived. Mr. Macrice Sheepen also made two stens on the glowing chargons. Bypernessia patches organized on his soles, which

PRE COS - ELDE-WALKING

Durling, Chas. R.; Nature, 198-151, September 28, 1965.

At the supposition of the recreiary of the Institute of Physics. I attended the demonstrations of fire-walking by the Indian, Roch Ben, on Sentember 9 and 15. in Nature of Scoteraber 21, p. 468. One important detail should, however, be

added, the time of coefset of the performer's fact with the fire, which was cor-

and perparations were made to do this at the second trial on September 15 On this occasion, Dr. T. E. Basks, of the Physics Department, St. Bartholomew's Hospital, and Mr. G. Spaith, of the London School of Physicse and Tropped Molitrine, collaborated with one is making the observations.

reded on the indicator. The traction consisted of a this disc of corner, to which stres of conner and cureks were instead. The stres were ressel through belon urality, so that when the disc was pressed on the fire the conditions were farourable for the absorption of heat and its retention when the innotion was raised for

another impact. The arrangement was obvivalent to a sensitive walking thermometer, and would certainly show a greater rise in temporature under the same conditions than the human sixts, which is protected by the maisture it easies.

Careful observation with a stop-wytch having shown that the average time of contact of the walker's foot was half a second at each step, and it being seed a rise of 15°-29°C. In the function. This was conclusive evidence that the feet of the performer would not become not enough for blistering to occur. Fire-walking in really a gyrmantic lest, and the agile way in which Enda Box

walked across the fire compelled admiration, and would be difficult to imitate without much training. It would not be easy for a beginner to walk bare-feeted fol fire-walking. It was lack of training in this particular which prevented Mr. Moreouth and Mr. Physics from successfor but it was noticeable that each in more nearly to the conditions of the skin could be made and tested on a fire, but the explanation of fire-walking is so givious that this would be superfluous.

PPF-004 FIRE-WALKING: SCIENTIFIC YESTS

Aperemous: Nature, 159:660, April 17, 1937.

Eighteen months ago, the University of London Connell for Psychical Investigation arranged a deconstrution of fire-walking, with the view of obtaining precine information once its extentific assects. Descriptions of the condition of the foot of the performer, Kuta Bux, before and after the walk, and results of some

688, 521). As the observations were not altogether conclusive, two more demon-

tigation through Mr. Harry Price, honorary secretary of the Council, in the grounds of Mr. Alex. Dribbell at Carshalton, Surrey, on April 5 and 10. The confessional fire-malker was Abroad Mussale, a Mostley from Commonslong. The temperatures were measured by special thermocouples with the cooperation of the Cambridge Scientific lastrument Co., Ltd., and were shown to be \$75°C, on the surface and 700°C, leaded. After examination and tests for chemical treatment. Hostain walked the trench in 1.3 sec., showing no signs of taken. He they concered the male leading those equators referrance with the olyin that they would be immune from burning. They were, however, all burned to a varying but elight degree. A further two volunteers then performed the walk affected. This indicated that the interious effect was correlative, although

Hanney claimed that he could walk asy distance. As he refused to retrace his In the negonal experiment, the surface temperature was T46°C, and the inside 198°C. Hawais book six steps in 2.2 sec., and this produced five bilisters on one feet and marked crythera on the other, a condition closely resembling that of the agasteurs after four stero. The offeet was therefore oursalative in his case also. One of the former volunteers covered the distance in four stees and 1.4 sec. . and they later, in rope-soled shoes, took seven steps in 2.6 sec. The fraved portions of the rape were slightly secrebed at the edges celv. The feet sunk tires is been than about half a second, although the small flames within it will conduce singular of the bairs. This time corresponds with that of one saick stem;

two steam with the same foot could only be done without invery by the practiced This small difference between smaleur and professional, together with chaerof a special induced mental state in required, such as in, of course, maintained

PREAMS CIDE WALKING

Council for Psychical Insestigation. The article records the results of two tests int Carehalton, on April 7 and 9, but does not meetics the third----nod Daal---deragestration with the Indian professional-

This was staged in the grounds of Alexandra Palace on April 20. The treach was 12 ft. long, 6 ft. wide, and 9 is. deep. Some four tons of oak logs were (measured by a representative of the Cambridge Instrument Co. . Ltd.) was 800° This birk torrepreters the bettest fire we have measured to produce at one

FIRE WALKING

The first to walk was Abased Bussoin revisions 126 normbit, who took four steps in 1.4 sec. His feet were uninjured. Then Mr. Reginald Adence owners. ing 160 pounds). a young Cambridge graduate, walked the trench is 1.9 sec. taking three states. His feet were not bitstared or injured in are way. This was the third occasion on which he has done the fire-walk for us. Both walkers started off with the right foot. The slow-motion film I took of the demonstrators reveals no apparent aspeciacity in malking technique on the part of the profes-In the report in Nature of our last fire-walking experiments, it is stated that

"two steps with the surse lost could only be done without tajury by the practiced professional". But Mr. Adoock degreestrated to us of Alexandra Palace that he too, can take two steps with the same fact on a very hot fire without the abstract injury. Although he took three steps against the ladies's four, the time taken was 0.2 sec. loserer; ged the Englishman weighed 14 pounds more than the Indian. The tunes were taken by Dr. E. J. Dianvall, and Prof. J. C. Flored. and I washed and examined the feet of the wallerrs both before and after the

It is interesting to compare Mr. Advock's fest with that of Ends Dur's when the latter gave us his performance at Carabalton on September 17, 1805. But walked on a treech 11 ft. long, with a marface temperature of 430°C. He wrighed 128 pounds. Each foot was in contact with the centers twice. Adopte's pernearly twice as hot, he walked further, and the Englishman swighed 40 pounds rare -- the extra weight being a great disablestore to firewalking

PPF-006 EXPERIMENTAL FIRE-WALKS Anonymous; Nature, 140-67, July 9, 1988,

A report by Dr. G. Barniston Brews on three experimental fire-walte has recordly been issued ("A Report to Three Experimental Fire-Walks by Abased Hassein and others". By Dr. G. Burniston Sewen. Bell. 4, University of London Council for Psychical Insustigation, 19 Berkeley Street, Marfair, London. W. I. Is. net). The experiments were made at Carobalian, where Euch Buy had also been tested (see Nature, 136, 465, 521; 1205) and at the Alexandra Palace. The accompanying table shows a comparison of the most successful attempts cande by Aboned Bussnics, R. Adones, and Ruda For-



ture on the feet was shown to be a disselvantage, stone it may cause het particles. to affere to the skin and thus cause blisters. The sudden formation of an insulating aushion of empour between the foot and the hot embors does not occur, and no absormal degree of reflexity of the feet is possible

PPH 001 THE VISUAL CUES FROM THE BACKS OF ESP CARDS

Seconds, John I.; Januari of Parchings, 4-18-18. USA.

Records, Second S

Sense expression of the behavior neutral of the Add the sense and the property of the sense and the sense an

would be activity for go min. The first cases are quite plain since the districtant. The arrival has required a still shore cases are quite plain since the districtant and the still give a good related to the plant of the space of the spac

times we can a could. (At planet reservation and selected principles are considered principles and the considered principles and the considered affect of the ordere reserved a new highest of carde in Shrimany 11, 1005. The detail were shalled by another person. The T. r. metric, and serviced above, sex and in on thread a new particular strength of the considered principles are detailed by the considered principles are detailed by the considered principles are detailed by the considered principles are desired as the considered principles are desired by the considered principles are desired as the constant visual sensors and possible are desired as the constant visual sensors are d

PH-001 HYPERPERCEPTION

cere strong we have been able to teach a large number of people to make extraclassic source.

Under optioner conditions of highing, i.e., when the angle of reflection is around 20%, the symbols on the backs of the carrie appear option clearly. The photograph of the backs of the ouries shows that the whole symbol may be neen. Peoply-view or certex cital is accommanded as in made with easily a subjection.

familiar with the symbols but otherwise untrained.

In this sensection, the following question from the December, 1927, masker of the Journal of Parigardebboy, p. 385, should receive attention by everyone

of the August of Payingtenestopy, p. 395, should receive attention by over interested in the Dake apprincipate set betra-bensory Proception: Imperfections in the connected reproductions of the ESP early procedule that superconduct use for apprincipating outputs. As reports of herecard work have indicated that subjects do practically as well and in over a sup better.

of exceemed worth have indicated that malpests do practically as well and in some cases better than they have an enancy contain all with the out-fig. . The discrete sheeth he so coffers a condition that capit insperiousless are not a smaller for experimental concern. However, the publishers of the carde large been able to everycone the principal difficulties and terrum printings with therefore be much improved.

presentially as well self is year cames better? when his cards are excessed, it is important to collect the full order-prisance results has done better the prisance in which important to collect the full order-prisance results have been as the collection of the collection of the best as administed provided the starteneous test of the Charl Medicing certain, the first Medicing curvated on the Might-Card Colling laws. A prisade previous of the first Medicing curvated on the Might-Card Colling laws that A prisade previous of the first Medicing collection of the collection of the collection of the collection of the detailed with the Might-Card Colling are collected in the collection of the c

and the second of the second o

In such mirrorcale chase, the successes of some downers may originate. Slight geological hints, perhaps noted unconstitustly, may excelve with extensive expericess to come insulation, remarks a ratios of the hards. Bornance, George J.; Nature, 54:171-172, June 25, 1881.

Despite the title, this article is not unisplaced here, because it to an excellent occurred of "expecte reading."

The public roled has of late been somewhat solitated by the dollner of a Mr. Nichon, who have come below the world of London nortety in a capacity so less startling than that of a professed reader of thought. Acres with a fanourable letter of introduction from Dr. W. B. Carpenter, he has not only taken by storm the general public and daily press, but also succeeded in convening an assembly sortance resembled in mixture a suizee of the Royal Sectory, while still more recently he has bud the honour of eablicities his present before the Sair American to the Crown. There is no doubt that Mr. Riches owen this wide and sudden to use thrown. Incre or so doubt that Mr. become owen that wate and medien calcitrity to the patronage which was extended to him by the great openess of answerry to the purchase worth was excessed to him by the great opposed of all harding, and arriving tor. Curposer distribute themselves in solution to carry a solution influence by recommending Mr. Bishop to the affection of the oredshous. it is to be regretted that is regretted, because the result was to endow the powers which were afterwards exhibited with a floritions degree of imperiance in the over of the mildle, and also to bring a large number of distinguished men isto the consensat undignified position of setting the stalking-horor to Mr. Hashop's Galton, Prof. E. R. Laskonter, and myself, who were all present on the first country, to bin him is an investigation. When we had assented to the proposal. Mr. Broken was invited to must us at Deed. Concer. Subartners's bound. He constitutely appointed the profitation, and it is but you to state that throughout the investigation which followed he placed himself centrely in our hands, and with is himself ignorant of his modus operands, and merely degices that this should to strendt ignerum or are goods operage, and merely adequatety recompiled and collectionarity explained.

The meetings were arranged. At the first, which was held on Mer 24. Prof.

Landwater was not able to attend, and his chara was taken by Mr. Laulia Stocker. Mr. Alfred Phigraph, was also present. At the second meeting, held on June 11. ser. Auren chigaron was also present. M the second meeting, und on June 11. there were present as before, Prof. Crown Robertson, Mr. F. Childen, and waand but Mr. Laylin Barber and Mr. Alfred Edgwich were aband while Prof. Landsonter was removed. The room to which both receiping were hold was a And to describe your of the collinses when the which usually have foldingdoors: here become the felding-doors were absent. The entremo beigh of the room was 20 feet, the width of the freet wart was 19 feet, and of we hash part

First, Mr. States was taken out of the room by me to the hall down stairs, where I blimbleded him with a handlorchief; and, in order to do so necurely, I thrust pieces of cotton-wood beneath the handkerchief below the even to all reasser. While I was doing this, Mr. Sidgwick was hiding a small object beneeds one of the consent man in the denning room; if harden been received neath one of the several regs in the drawing-room; it arrives took personal arranged that he was to choose any object he lifted for this purpose, and to conarranged that me was to choose any object he nove for seas purpose, and to con-real it in any part of the drawing-room which his fancy might releat. When he had done this the drawing room deer you opened and the word "Ready" collect. I they led Mr. Bishop up stairs, and busiled him over to Mr. Sidantch, who at

PH-002 HYDEDDEDCEDTION

that moved was standing in the world like between the two drawless reserve with his back to the run in question, and at a distance from it of about 25 had Mr. Bishon then took the laft hand of Mr. Shipwick, placed it on his thre-Bishop's) foreshead, and requested him to third restinguish of the place phone the object was concealed. After standing moticeless for about ton neconds Mr. Eather subletive faced round, waited brindly with Mr. Sidewick on a street line

to the rag, stooped down, raised the corner of the rag, and sicked up the object In doing all this there was not the nlightest hesitation, so that to all appearance In doing an true there was not the aughters negation, its same to an applicament it seewed as if Mr. Bishop have as well as Mr. Stdawick the precise spot where the object was being This is Mr. Ratop's favourite experiment; so I may give some of our other observations relating to it before passing on to the variations which we introduced. If was soon found that he succeeded much before with some of us than with others; so at the second meeting, in order to make a susserical compari-

soe, he was requested to try two experiments with each of the four persons who were present. With Mr. Gallen, Prof. Rebertoon, and Prof. Landauter by failed organic, mixth series committee or management and the control of the contr tion organization. For an the first operation I commonly a period-matching time approximately. For on the first occasion I observe a potest-makes upon the ton of a book behind the leather has of a book-shelf. After feeling along the rows of books for some time he drew so; the one or which the matchalong the rows of books are some time so error out the case or writte has made but was bring. In the second experiment I placed a visiting-card on the layer board of a grand plane and closed the cover. After going about the room in various directions for a considerable time he overtailly localized the piano. and brought his finger to read upon its apper surface about six inches from the place where the card was bring. It will thus be seen that his success with one although no much better than with any of the other three persons present that graning, was not no logaration and provide as it had been with Mr. Independent the evening before. It has also to be meeticeed that in one of the experiments dead of Seeling about. successful in localisting a particular open on an ordinary it will be even that it made on difference whether a particular article or a new the last special was thought of for if the exhibit thought of was a period service or a pr Houser open was thought of for if the subject thought of was a certain square tech of stories upon new table, chair, or other chaor in the room. Mr. Budon is his empressful owner/ments, would visce his finant upon that good, Nathan th his increased experiments, would just the integer type that spot, respected the it reads any difference whether the article or place thought of you at a back or - low structure. Thus, for instance, in ope of the congressed i placed a small pencil-case high up in the character of one of the drawing-rooms. There bookshabees, &c., so that II was thought that the experience was about to recoma failure. Ot may here be received parenthetically that in all the concriments needless to occupy space with recording the applicate of these results . They while feeling ever the seriace of a table in the other drawing-room, and not have from the corresponding chardefler, Mr. Bishop suddenly pointed at arm's boath vertically to the calling. He remained moticeless in this position for a few seconds, and then set off at a brisk pace in a straight line to the other drawingreces. until he cares because the other chardeling. As his figure was all then liese pointing to the cooling. It touched this chaudoline on his course housest in He then streeted and potential as blob on he marks, but not harm a tall over

particular apot count not no accretion to occupent, but to any time the time accepted to be smalling the object of his search, the experience was receiveded.

in recor arbitrary at all; but in some cases, as in the use tost parted, after coveral minutes of feeling about in various places and directions, a new point of departure seems suddenly to be taken, and Mr. Bishop starts off straight to the right articles. After some about the room in surious directions for a considerable I was thinking that the experience would certainly prove a failure. Mr. Habos to was retiting that the experiment would carriedly prove a faiture, sir. Hance and exploitates "Note I are within two feet of it." began to havey the point of his finger over the lable, and eventually brought it down upon the sheet of paper just where the skilling was

he show on in his other experiences. Thus he offcruther failed with Mr. Collegparticular spet, prictics this spot with a seedle. With Prof. Luckweter success was partial; for while he thought of the point of his nose, Mr. Bushen was only able to say that the point thought of seemed to occupy the median line of the body on the freet appert. But on a provious occasion at hedford figures Mr. History becalted correctly a pain calight toothocket from which Prof. Lankswier was connection with record the results were conceable negation. In the first remot-If an attended under the right; in the accord experienced I thought of my right. the rest correctly. In both these experiments, therefore, it seemed that with

Trees this loted surreyary of the results gained by following Mr. Riskon's own restaute, it will be seen that on the whole has power of localizing objects on closes through of he a narrow whole hand be classe in enquestionably very striking. Of course the hypothesis which immediately seggests meelf to oxidate statuing, or course the hypothesis water acceptancy suggests steel to expent the random sperment; in that Mr. Risbop is gented by the indications accountionsly gives through the muscles of his subject---differential seasons affects the cost of the words 'but' and 'cool' in the childleh game which dune words stantly those of a dreamy abstraction or "reserve," and his finding a consealed object. Ac., as due to an 'Impression berne in' spice him. But however this may be card of course we had so means of testing the atalonaut all our experiments bases his bearings, failure rossits. Failure also results if the connection beinstance, being apparently of no each use to him for the establishment of connection as a walking-stick. Similarly, although he was very successful

when he grouped my loft hand when I did not forow where the object was connealed, but when my left wrist was held by Mr. Widgetch, who had concealed the object; he failed when under otherwise street or expoundances. Mr. Sidewick held my

Lastly, a number of other experiments were tried, is deference to some statements which Mr. Bishop made concerning his occasional success in reading both the exception of Prof. Lunkouter) we thought it was worth while to make there, not only because Mr. Etshop seemed to destre it, but also to satisfy the general public that we had given the hypothesis of 'thought-reading, " as well as that of "numele-reading," is fair trial. The esperimenta consisted in the subject looking at some letter of the alphabet which hir. Eistop could not see, and the herer enterweirier to read in the thoughts of the former what the letter was

the to assident, and therefore conclude that if Mr. Bishop has any powers of "thought-reading" preperly co-called, he has failed to show us evidence of the

Descring it a remarkable thing that such precise information on to a mental picture of legality should be communicated to instantaneously by unconscious tions of resistance and pressure. We therefore tried the assettionness of his stanley were than a usual delicacy of tactile perception, while his nower of disthe sistory between alight differences in weights placed ancessarizely on a letterbelown represent from his even was conspicuously less than that displaced by Tred. Crocce Babortson. As Mr. Bishey is not opposed to the hypothesis hy which we complete that his results are obtained, there is no reason to suppose

differences of weight. In their main features Mr. Bishop's experiments are frozently performed as an ordinary drawing-room ansamment, and we are presence but that his superior success in performing the experiments in to In eveniusion, we desire to express our thought to Mr. Etabon for the trouble This report has been read in proof by Frot. Croers Belleytson, Mr. Francis Galton, and Prof. E. R. Lankaster, and meets with their full approval.

PPM.001 PLACERO REACTION

Parkhouse, James: Nature, 199-348, July 26, 1960,

It is often believed that there exist, in the community, certain individuals who are 'placebo reactors', gad that these instruducto must be excluded from a controlled clinical trial if the 'true' effects of the dreg is question are to be correctly assessed. Gineer expressed the entreme view when he wrote "a

sufference obtained relief from a classic, be further charmed a Lichard distri-

It has since been shown that this U-shaped distribution is by no means characterwho 'come a placeho regetor' in 'always a placeho reactor' dies so hard that an

their deriving areas natisfaction from a placeto. Also, the cause of the samesoften". It was, indeed, a shround abresistan who said 'the treatment of courtered

Arest from the weetshilling of the inflational and his experience. On design of operating their, with other-wallby broducks ... 'consider called' and 'consideropplained clumbare; their present interest lies in the fact that they have prowhen agent of the control of the con

have construed after treatment with morphise and a phonen correct salines, Table 1. Incidence of "Placebo Reactors" After Opper Melorated

	Surgery			
	Improvement of pain alone (%)	Improvement of pain, racement and coughing (%)	visal expectly	Peak expiratory flow rate (St
Charge of 1 grade				

race grafes achiere on ingrovement of at least 1 deads after merchine; but if this ower to nest al long prinder van regularde für "richte", se plateint were nilvoord by sellen sool der 15 provinte. Monomend an doording are expecutely pubblicate sool in the province of the prince of the province o

Types of case yielded different reports on the opport abbestiant integer; other types of case yielded different reports on case in Thus, the percentage of plinate for reactors' aroung my patients easily be made to vary force to 50 or yellow or the control of the case of

All this makes in difficult to anderstood has overalled blooders expected our childable be included and enclosed from a childaol trail, and has the "trail effects of a drog can be discounted from the perchadegical effects. In contrast to charge's time, one might describe that beneficial exhibits that into intertor of the contrast of the contrast of the contrast that is not trained sharing he matter with a man who crease to a shorter when there is antiring the suntire with hirt. In it perhaps on them the south of the property of the given the appropriate circumstances such one of in has the makings of a "placetion reaction".

FPM-002 THE POWERFUL PLACEBO Beacher, Hours N.; American Medical Association, Journal, 159:1000-1004.

December 24, 1985.

This article is too long to reproduce in its entirety.

Secretary and Conclusions. It is assistent that pisoches have a high degree of interpretal influencies in recursing subjective researces, decided reprovement, recursing subject to a property of the property

Placebox have not only remarkable the respectic power but also tools offsets. These are both subjective and objective. The reaction psychologically component of sulfaring has power to produce grown physical change. It is plain on only that the respectic power of a fiver sucher stelly made in receiv cases the badged about by the sounded despirable believe that due that stitutes or abbox-effects must be sub-

the light of the control of the cont

PPM 000 BLACK CORAL AS A CHARM GOR BULLMATISM

Gardiner, J. Stanley: Nature, 100:565-506, December 19, 1921.

No. C. B. Passagli of Sastowengs, Jane has seen to place these claims consequent parts to reduce and before the two responsibilities of a seen and process them are processed to the control of the contr

used using update any orimorealization of gold or other routers these undersor. Michael and the control of the

and a seminors and the should begin a seminor to the begin beginning and a seminor of the beginning and the beginning and the seminor of the beginning and t

perceives eggs that bands would be ready. Where it refers and degrees, and largely used to quality design for provider. Here of the replace is not better depressed be ready that the control of the provider of the ready of the control of the ready of the control of the ready of the ready, and reversed before the ready of the control of the ready of the ready, and reversed before the control of the ready of the ready, and reversed before the ready of the ready

MIRACLE CURES, PLACEBOS

THE CLEEK OF WARTS BY SUNGESTION Coxbill, Claude P., et al; Seriety for Provisional Research, Journal, 5:100-104, 1899.

The Journal for January, 1897, restained a description of a case of the care of warm by "charming " contributed by Mr. Claude P. Cathill, of Frankville. Athlory, co. Marth. Mr. Coghill, as he kindly precised to do, has continued

Reference to the core of the warts on his daughter's hardy (see Journal.

January, 1897) Mr. Coghill writes, under date of Nevember 20th, 1896: ---'I send certificate of chemist who way my daughter's hands both helices and after the cure." The certificate is as fellows ---Albhou, November 24th, 1806.

remarking I should give a cure for worts, the child's hands being mounty occupred Thor. Pague, Chemist and Druggist. Is Mr. Doghill's letter, printed in the Journal above referred to, he speaks

of a horse 'cuits unsulgable from the size and quantity of warts over his body.' which was cured by the surse personnt in a similar way. Mr. Cochell care is but letter of the control with the library beauty in contraint a distance Ballyboy, Athloy, Co. Meath, Nevember 27th, 1896 Dear Mr. Coshill I had a loss booms hast meter convered, with wants

figure of them were arredly and they ranged up to the size of a rway's egg. There have about fifty or him to all, four or fire large ones. In Jane, when the flies regressioned. I could not take him out, they would alread set him mul. and my evenes necrosaded ma to let John Euro, a man who lives near, take there off. He greets permanent the to let John Rock, it this who lives from, then some cit. On at him. The large warts that had been continually blanding had dried on and except about four. He came again, and is another week they were all gone but I sold the harms on July 17th. The man who got him told me that one dronand off before a week. No not some one the booms during the time I had been of raise had a row. Her optes were covered with worts. The same man took there off in a few days, ... Yours yory truly, B. W. Parr. Is a letter written on Nesumber 9th, 1896, Mr. Coghill surv :--- "There is a race I know of who has some vary lost source on his hands, and I will try to believe

hirs to undergo the name charm. If I can get him to consent to do so, i will rhotograph has hands before and after, and will also get it that certified by the On Jamery 13th, 1897, Mr. Coghill writes thus concurring this case ---Athley, Co. Meath, Josephy 13th, 1897. Dear Sir. and The curry in this cuts, neterturately, is not no rupid, but from the ties of more to this need it has recovered to an interesting region. There

PPM-004 MIRACLE CURES, PLACEBOS

trailire over dissiparent aliquebre. A fairly large one, le phase, on the second larger, he nore entirely strapparent. De large seas on the thick and little finger is not read entirely strapparent. De large seas on the thick and little finger is not read the season of different fill supported. The large strapparent fill supported is not obtained to the season of different fill supported in the season of the fill season of the season of the fill season of the season of the fill season of the season of the fill season which has contained and firely affect the season of the season of these read trapper season which has dorselved and firely affect the season of the seas

seems, you was seems on earst in section appeal among the warrs, and make said size it fall it was presidently size to this fact that the warrs had not disappeared before now, as he never before had so notices a cape.

I have see adord him or foreign using the element in the violately of the warrs and when next reporting I will let you know whether this makes any majoring!

and when here reporting a will me you know we about that makes any supering change in the rapidity of the core.

There are a number of good-sited wards between the Billio finger and third linger which do not show in the place. Some of the spots on the bark of the land may have been (revible), but of this I am not cortain.—"Yours traffy. C. P.

may have been freekles, but of this I am not cortain. ---Yours truly, C. P. Cogistil.

The photograph referred to, sent to us with this letter, fully bears out Mr. Cogistil's description.

In a letter writies on Fabruary 19th, 1997, Mr. Cogistil vegrets that he had

In response to a record letter of tentiry as to whether he had anyiding further of interest to consensations. Mr. Ogolli has very sixtyly written the deficient of interest to consensations. The consensations of the consensations of the form of the consensations of the consensations of the consensations of the state of the consensations of the

Do second being to from a very respectable development in the next and control of the control of

stocket.

During the past year I have myself had bee opportunition to page of the reality of the charm, as he has completely cured for one a helfer which had very had wards on her optics, prior to calving. So had were they that my man in charge

I incrediately seat for Kane, who succeeded by means of his charm is tomoving the principal uses before calving, and the remainder left off very shortly

The second case was on a bellock, which was the west case? I ever some of water, and one which, in gate at all heard and sower \$60,000. I bellowed to be boyed his powers. Does was a brach of wards, as large on go too Sata, bake gives used to be the which was been at the ground. There were after a single precuration of the single precuration of the single precuration of the work of the single precuration o

in vaccionates, a say assessed one shall the petition of altrovor sectory or his certified to refs the charm, which is in the nature one regardinesses, and which he strictures to went of fight on my part. I certainly about that I was make to be all any finit nor you prover while making the atmospt, but my own option is that the must has easies inherized power of healing by touch. I am sheelpathy certain further large and officers of any thin.

I think in my provious letter I mentioned that his father bud the same power.

--- Yours fathfully, C. P. Coghill.

The following are the two occlosures Mr. Coghill refers to---Abbox. Co. Meath. January 10th. 1997.

C. P. Cyalli. Day. — Gliq. — They have expected a fairn in the Protection of the Conference of the Con

constant opport CHENCOM IN WIND the Source and the Sam occasions. He also naw the assentionated was to Mr. Kome on each of the four occasions. He also naw the against applied with no results.——] am. Str., your election servant. John McKenna.

Athley, March 27th. 1867.

C. P. Coglett, sechage Rev. — In September 1 and that a built recovering the above Newshort 15. She had neces than bearing and address recovering to the bearing second address, rendering heer, I alwald sey, yo many need sea shelder. Butting heard that the man, John Kone, south resease there, I see the fee line, and, being reyself a believer in gazage and fifting, I closely observed the hand he relded the worth with N one of It overland applications or matter, but if

In about ton days the warts became quite shrivelled and withecod-looking

PPM-005 MIRACLE CURES, PLACEBOS

and dropped off-entirely within two months.

He new and rubbed the satinal three tirses, and then assured use that they required nothing sates, so they were certain to drop eff. They fifd so, and I now say, "mestage is believing," "---Your obelies! servant, Hagh Carberry.

PENANT MART CHARMING

Webb, T. W.; Roowledge, 4:125, 1441.

My father. the Boy. John Wath, who died in the year 1909, agod nearly 50 years, possessed this cortous power to a comprished darrow. I have bound him describe the way in which, when a young man, he became conscious of it, from touching for more amountable, a wart on a circle's smalled with a figure modules. ed from his temper, and surving that it would go away. Great was his surprise, as wall as that of others. In find that his prediction was soon verified. After that time he exercised this power wheever opportunities presented therefore, and with great maccour. Do one occasion, no he was passing on burneluck through a tarepile-gate, he noticed that the errs of a woman who was washing there was covered with warts, which were bleeding from the nature of her work. He toucked them and passed on. The next time he next has be found that more all more. though such as inflancesables had attended their departure that the shought she should have lost her arm. I have, from time to time, overvised the name remay with suggests. On our occupion I gave the little desertors of a friend whose hand was reach troubted with those extresponder, a small bottle of water wited with more cover, meeting use ours wart should be become with use wetted corf; this, however, having failed to produce any effect. I made her also me her hand through a mearly-classed door, her back being turned at the name followed by their entire disappearance. My impressing is that, researched the patient has combined in the process, suprang that amount on congression in sufficiently will arephase the complession purportates and so little understood in

PFM-036 FAITH HEALING

Publison, E. Massell. et al: Journal of Nervous and Montal Disease, 100:387-403, 1972.

Abstract. This is a study of all businessabilities perfected in more abstract. The previous of I limb busings. The present was interviewed bloom busings. The present was interviewed bloom busings. The present was interviewed business and the previous study of the

symptomatology, but to reinforce a magical belief system that in consecunt with the subculture of these subjects. Faith healing in contemporary America in part in the sharperpass of the regrinal helical granters. Within the framework of the assumptive world view in which faith healing subjects live, their personality southern that remedian over internation for the individual and world internation for

PPM-807 A RECENT CASE OF PAITH HEALING

A striking case of "faith-healing" in reported in the British Medical Journal for Newsmber 16th, 1895. We quote in full the account there gives, which re

calls some of the cases unblished in the paper on "Mind-cure. Taith-cure. and the Mirarles of Loanies," by Dr. A. T. Myers and Mr. F. W. H. Myers, is the Proceedings 6, P. R., Vol. 1X., p. 166. "A 'miracidous' ouro has recently occurred in Massow, where it has exasted of Negro-Dathelogists in Massaw. The resistance had not had the natural unit-The patient, N. D., was a lecturer in the Moscow Calverrity. He had sufficed

from a seriore form of syrosts most; stone June. 1854, for which he unfurment. treatment at the hands of various specialists .-- aroung others, of Professors Kappel, of Vicesa, Schwirzmer, of Budy Pestly, Langer, of Berlin, Pospelof, of olds was then consend with a freely-respectation countries. He was recently the often was then covered with a freezy-supporating evapoon. He now sought the advice of a "wise woman," an attended at the baths, who was to the babit of pro-N. D. was teld to most the number next married at 5 evices in the Territo of the Seriour, the releasal church on the Meskya river, which has been laciding off the centery and in set incomplete, in memory of the famous events of 1811. He come an teld, and, while he remained a passive onlocker, the woman prayed for three bearcony a sign of consease was not. Such are the facts on given by the particle
himself and confirmed by Professor Knehweikof. The professor, both
a come immeriate persist hearing on the rease. The religion is all concrete tors. arms, with a marked tandance to accurate to in position; and the accounts itself showed some signs of being, if not of servous origin, at least under nervous

self'---are also factors to be remembered to connection with the neurotic and

PM.008 MIRACLE CURES, PLACEBOS PPM-008 HEALING WOUNDS BY MENTAL IMPRESSIONS

Professor Delbourf of Liego is cartainly the most presatile of living reseastwork he does. Ancient and modern languages, losts, seneral physics and physi-

turns. His latest contribution to to therapeutics, and is a communication made

that to a cart of their body a castery or a blister is applied, will produce, where some hypotic subjects where he had made anaeathetic, and in where he had often and proceeded to more systematic experiments, which, so far as they go, seem with an inflanmatory area three certimetres in diameter, the right arm showed obtained with burns and blisters, the spots chosen being near together on the same trolling inflammations, are explained by M. Delbosul's principle. So is the popuof one's condition. Local pair is useful in leading us to protect the wounded part

It is to be bound that others, with better facilities for ourginal experimentstion than a professor of classical literature like M. Deflocal, will follow the

ODDITIES OF PERCEPTION PP

PFF-021 SYNATHESIA IN A CHILD OF THREE AND A HALF YEARS
Whitcherek, Asse K.; Assertas Journal of Psychology, 33 390-200, 1822.

Edgar Curtia is the son of Professor and Mes. O. P. Cartis of Correcti University. At the time of this writing he is three prace and seven meetls (4d). He has sever been particularly interacted is colour, and he knows yit the sames of laws of good obscurs. He calls rose, and various sizes of girls. Ted. He same his own description predicts because with a plan culti-scale.

the masses of here of good advorms. He caller rows, and various time of givin, read. He seed also some descriptions evends, however, and he often calls a soilor read. The seed is some description which is the called the call of the direct time that apparently also matter soilor matter soils matter soilors for fine from a riffer soilor, and the second of the good review of the called through the hills with a food "become". One day these second of the good review of the called the

amond: "Why in the life, (Such releas?" A few days later he was being pet to bed on the absorption produce. The credent wave contricts leading, one of these harwhite rester?" What his realizer said lifes that it was a critical he was not assiswhite rester?" What his realizer said lifes that it was a critical he was not assisced, and he said. "Not the between one, but the furth write rester. Then he solitated both of them: cutting the forece between one the absorber of the new which resemble the produce of the contribution of the contr

A cost in tests when it is isosaide signs, and when the sound is defined by isoshing because it is a sound of the sound in the sound of the sound is sound in the sound in the sound because it is a sound code it is when he made ? It is is found in a list above the sound All the slower is historication has core from the shifty caused conversation. It all the slower is historication has core from the shifty caused conversation. It is sufficiently all the sound is sufficiently as the sound in the sound in the sound tracks. "That it stop is not, in any it." It is a sufficient to the sound in the sound colored to the sound has placed the sound in the supposed the sign is even which for a differcient to the sound has placed to the supposed the sign is even which is not a differcient to the sound has placed to the supposed the sign is even which is not a differ-

an color from the own he had more. Define a low that experience, the supervisor the supervisor that the control of the color of the col

Red. crange, yellow, green, blue and pusple papers of good chreens were used, with the addition of black, white and residie gray. He played with the

ODDITIES OF PERCEPTION

colors for a low retrates and he was delighted with the idea of trying to find them on the pages. Following are the tones he sulected, every color having the tone

o' imiddle-Cr E and all taxes below

Orunge He neterted the tones by playing about on the keys with one finger, and eaving,

r.g., "This isn't red! This isn't red!" and thus gloubilly, when he found a tone r.g., "Has ins't red!" this ins't red." and then goodstly, when so tours a that suited him, he exclaimed: "This is red, isn't w?" It was interesting to nation that when he was searching for red he did not explore the white or black when coffee was stoop him he went toward the white tones. We thought that topes of the same regation pitch wight presently be of the name order to him. We found, however, that on the guitar white was o', which on the plane was blue. On the gotter, e-sharp was black, though that region on the piano was red god orange. On the guitar, again, g-oburn was red and black. with it was red on the place. One high tone on the pritur was called 'a little

From Edgar's own adjectives, and from the distribution of the colors on the icaboard. It seems that roises or tonce of low pilet and large volume are black or brown or grey, while shrill, high, pierwing, thin tones are white; the other appears to be counge or orange-red, red, red-purple, blue; then fellow, under the experimental conditions, green and yellow. There is some uncertainty as to

TOME SHAPES: A NOVEL TYPE OF SYNATHESIA Sigher, Michael J.: Journal of General Psychology, 3:277-297, 1930.

The attention of the writer has recently been called to the occurrence in the

experience of two Wellestey College undergraduates of an unique type of ownanatherin is which the sound of each of several stanical instruments is accomthe experiences of curtain persons has been reported in various places since of annualistic phenomena in which the patterns easited by crastical instruments

which the tones of different musical instruments give rise to correspondingly different tridimensional visual shapon. Thury instrument oxcites a specific larger and darker shapes. The forms may oppose is colors, but color to set always present and always plays a role accordury to that of form. These when series over chiefly in solo condition, and nonseas high centhetic conest. Owsolved has emericated the forms as far back as she can remember, the other discovered suddenly several years ago her capability of realizing them, and they have since gradually occurred in deficiteness. There are striking differences in the forms of the two subjects for the same instrument, but the general conditions of their ground and afteration have many points in company. In view of this fact, the interpretation to made that the two rebiects represent a single true of avenuablesia. Evidences for and against the heraditary and sequired theories, although somewhat favoring the latter view, are incomplanive. Sulationship of these shapes to gidetic imagery in suggested in the abrest perceptual character of the phenomerm, especially in the case of Subject A, as well as in the fact that for Subject B under all circumstances and for A under the recent difficult conditions of their around, the shapes are realized under voluntary Tostorreed Subpect A

Services. We have reported two comes of a need true of econosthusia, in

Ylute	Thirable or accors sup	Hollow tube
Suzephone	Cup with solid later core	Sureting of a mass into rough, jagged, and opti ery particles.
Bugle	Morning glocy or pipe	Sphare with opening on apper side
Harmonies	Serios of apatially dis- tributed discs	Flat rectangle
Jazz whistle	Thick waving streamer	Lumpy deeph-like alon- gated mans
Simpleapphone	Dagger	Mogaphose of very vague outline
Marinal syw	Ronguled globate with jugged surface	Yards and yards of round ribbox-like material
Cetto	Flat hectrental base with apring-like vertical pro- jections	Thick ethbus
Violis	Tabe with colorged codules	Ribbon much thinner and smaller than that of cells
Plano	Quadrangular blooks	Scheres

PPP-003 ODDITIES OF PERCEPTION

PPP 003 WORD-BL INDNESS

Annoymous: Papelus Science Monthly, 28:370, 1882.

M. Magnan, in a communication to the Societe de Richtgie, has recases of aghania complicated with a special phenomenos, to which he the name of word-blindness. One case was that of a man who was so with the ministerial and administ after a Mil. A morth afterward, the results of the providents and administ after a Mil. A morth afterward, the

angul berugini and distant albur 340. A north distressed, to implied excerved in power of large both lifty yaller, a separation indeed in agent order prior measuring, even who to laint but have virtue to Humalli, order prior measuring, even who to laint but have virtue to Humalli, and the proposed proposed dozen with water but 300. Ho deed not such a proposed proposed dozen with water but 300. Ho deed not was virtue. On had to the order of the cuts of posteridozen, a stringer was virtue. On had to the order of the cuts of posteridozen, a stringer of the cuts of the cuts of the cuts of posteridozen, a stringer of the cuts of the cuts of the cuts of posteridozen, a stringer of the cuts of the cuts of the cuts of the cuts of posteridozen, a stringer of the cuts of the cuts of the cuts of the cuts of posteridozen, a stringer of the cuts of the cuts

Lifectutz, Jesuph E.; American Jeannal of Parchinter, 110-001-031, 1207. (Coppright 1907, the American Psychiatric Association. Reprinted by permission.)

The purpose of this paper is to review the history of elignatication, and to reter a rate is noticed with religious contact.

Chiefe Of Highwaterams may be orrected that one groups, sources were excepted in the control of the control of the control of the control of the Christocities and forestry inclinated the seasoing plot that the world rearks of the Christwers transferred to believer by the efficacy of levest groups. "Mandee sokes is store, the Algorithe sense the seven has been used to signify the contentrative of the five words to Christ's body appearing on persons affected in a particular or the control of t

main was B. Finnis of Assist. According to the interpreparation in transcen-195 wither, B. Finnis was have in 1115, one of a yealth was returned. The recognized basis of the young men of the town in their revents, though be man always complexees for his drawly to the poor, "After a period, though be man always complexees for his drawly to the poor," After a period, them at the age of 23, and after a lasticular extense of revelys, here friends found him "is a transce, a permanental places man," its devented the creasiples of this life.

remove, a permanently allered mass. "In decided the versible of the life and defecting to the soft and authorized, and sind at the age of 46 on October 3, 1200.
"They carried before the death Practice were applicated into the Apparisation with scene of his disorder, and other ferry days of familiar and prayer and conceptable, on Repeated to 1, 1200... In the all winton: the twarm rays of the

printing and he dissertment medically a streagh (farm. A re-right with weign encounted from tensor the green the hertons and streaght (farm. A re-right with windows engalement). Here the stream and stream the stream of the farm of the

or remote was no consistent by the objects on Social Affording that he had to be carried back to Anties. His remaining months were open to great bothly suffering, and though he became almost blind he worked on with poyeassans.— A detectifies such as this gives an impligit into the proceeding of B. Francis, and the total dedication of his life to hip week. It helps explain the powerful remaining from formal found in the extraords. As the outbox of the Newsylvanian

and the total declination of his life is his week. It helps explain the powerful centiforal forces founding to the silgrantum. As the eather of the Knowycopanding Jertination article pairs in, "Probably so one has over not Minural as sectionly to invotate the life of Christi and to earry out so thorsally Christ's work in Christ's own may."

Store IR, Promote there have been over 349 recorded course of withwestization.

the great statewhy of their in weeks. The arbivolatily of many at these resugreits questions, some endowledly being mass of sub-finitellar wounds. Device the main fluorian record state is that of Thorrest Normane of Decourrowsh, Germanton and Company of the Company of the Company of the Company of the energing this case, and to the best of any base-block Priceros Normany is fall. I rough, the was been on Good Friday, April 1, 1000, and received the first 1200. It is independently not for the first way at most where the 250th carborversury. Some commencements all take place, as seted in an article by E. B. Krembhar is the Amala of Medical Bidesy in 1617.

Perhips the most extensive region in the English Messages on Therese control and the English Messages of Therese control are shown to place any one of the English Messages of the English Messages of the English Messages of the English Messages of professor of profitably who had control and the English after control for the hard of a supplies of Therese Messages (18 Messages Messages Messages).

"It Novel 1014 a few overzené in the him of a neighbor of Phoese Messandi parties et le partie et le partie

her party if the could perty to With St. Thermes that the right motive income of Arts fallow. Some thereafter be that the channing to just in the list mrs., and St. Arts fallow. Some thereafter be that the channing to just in the list mrs., and St. Arts fallow. There is a superior of the second and fallow in the superior of the second and fallow. Therefore, the superior of the party of the just perty and just just in the single subject to these or the second and the superior of the second and the superior of the second and the superior of the superior of the second and the superior of the superior of the second and the superior of the superior of the second and the superior of the superior of

According to 1948), the line was appropriate for her cure, since also are cardinal the according of the sealer. If the saists could even closer, then also, exclude the country of the sealer of the sealer of the sealer of the sealer of the little Rt. Durrent was headling, April 20, 1920, Thereas Nonzeas was neiderly counted of har biblioses. Two years there, Nay 17, 1936, who had a vision in which little Rt. Texture country for the sealer of the s

The Sugress,—The line of the first appearance of the stigmax on the dorse of the hands in choosure. Apparently they appeared suddenly... There was no profront just. The parties doed incodelogy of the Sigmax of Lonies Laises and of Editoria Exemperies. Soon there has appearance of the sigmax she begin having tracees and contacts, and at that time bloody doans time appeared, income

new attempt present year the heart and on the fact. On Nov. 6, 1936, during costany, bleeding appeared on 2 places of the scalp. Now there are 6 cfaces. After 1927 stigrage appeared on the police and the solos. In the beginning there there blod, and only on Friday. During the Passion of the Boly Week there was

there was a subjective consulter of prestration. e'clock and lasted until Friday afternoon. Therene would apple neitherly from sleep, partly sit up and remain moticuless for a short portrol. She would become deadly pale, with smalleds half closed and hands attracted out blood timent tears would run down her face and clot on her chis and neck. After five or ten

mission she would stek back into the pillows and aspear enhanced.... When asked questions she would describe in a low voice what she had seen. Assercettly she would live the whole scene at Calvary, fellowing Christ at each ston. In the final hour, when she would experience the Crucifixion, she would sill for the whole hour is a half-upright position, with arms extended and eyes.

wide open and staring...

The described her visions as not like pictures, but as vivid and colored.

covehiatric literature. The case of Therene Neurosan, showing such extraording ary suggestibility, is received of severe cases of hysteria reducted by

16 1943 William Needles reported a case of observed stigmats occurring to the course of paycheamlysts. There are only the most scattered reports of stignatization converteg net in nunceintin with religious cestary. Neodlen'

case, being observed directly in analysis in more unusual still. "His case was of a max, ago 21, is assigned 5 months, who on 2 occasions was noted to bleed from the porce of his hands. Needles was able to relate each spleads of the bleeding to an immediately preceding conflicted attention. In each case attributup Gedinal strivings, Instantes and still feelings, "All three episodes of attenuatization were precipitated by attentions reminiscent of the Codipus. . . . Their the signata's) psychological importance to their significance to the patient to when they meant blood. . . . He was constantly recoiling

from and purishing bicaself for his aggressive tendencies." This patient, by the way, was not a Catholic." Needles notes other cases of pos-religious stargestization. A sir! who was her brother munished by having to run a murallet most thorougher exhibited blooding on her back at the same site as her brother's wounds. The witness of an encounter between a French and Rassian soldier became terribly frightened and noldier. According to Klunder, in the days of Liebault, Charcot and Bernheim when hyposite was much in vegue, all varieties of cutaneous losions--erythern. vesteles, buline, papules, lesions renordilles burns, probamons, bloody onedates from previous dermy orrughts -- were all reported as produced through

suggestion in hyperets. Helene Deutsch describes similar dormatologic manifestations of converted "We often find such manifestations of repressed centers in analysis, sometimes as disturbances in the motor, and scentimes in the vaco-motor, others. I have often seen cases in which the patient's hand would swell up and become red whenever his associations (ad him to measuries of repressed teasturbation. Such a symptom represented a hind of sharms-reaction, like, eag. Masking, and contained also a self-interpret, a self-repressed in the face of the analyst."

At this point i should like to report a cape of new relations stimulization of

a specific kind.

This was a patient I saw only 4 times, and in whom the stignatisative was set observed, but reported from her past. The patient was a particularly suber and notions winded person, and there was title question in my mind concerning the authorizing of hew report. See altigrationales this in well with her reasonal the authorizing of hew report.

an account record prepare, and never was title quantion in my more eccessions, the subscribing of the representative files in well with her personality fluctioning, and it take her report to be authoritie. See was a 45 years of white married takephone occupant worker who presented herself for sheetlesseess, depression and gastric distress. See was married for

after 14 years of happy marriage, 800 was 18 in the time. So married again briefly and unbuptly 2 years later, and had at the time I are bur been married 3 years, happily, at least on the surface. There were I sens from the first marriage.

Her colligious history to significant. The was one of 11 children, raised in a big rily, in an Italian Galdelle learly. Her mother became dear if we believe the second of the believe was extremely creal and typesalisal to the endler sed all the edifferent beauting them temperchistly. The and her eithings would call in the authorities after these beauting them therefore mere prosecuted. So was visited raised references to the charge of the collection of the description of the descript

attacked Courts' and similared distriction, Surgin (Ed.). All the agent of United States (States and United States and U

Again I trant say that the sobriety and care to be explicit and coveres that this natives solubited increases the probability of her stirmatization. This case STIGMATA AND SKIN WRITING PPS-001

is slightly different from others reported, in that there was a past specific shortseems to me that such blooding, it years after a physical trauma can be considered It is unfortunate that no further data are available concerning this naticut, and

that we can only hypothesize concerning the nevel of years of her stimmata. She may have identified the authoritative childhood Church with the authoritative father, both of whom she relected. Her bleeding, however, need have had nothing one Ordical fartney so characteristic of hystoria. The rape did symbolically owear, at the age of thirteen, in the father's sadistic attack,

A final point to of interest. After years of saving in her soldt life, "I'll sever help him," when her father was pertously ill in Nevember 1965, she do-

To nurse further the psychodynamic implications of stigmats in general, we

... common to traumatic barnianesthesia and benispecthetic stigmata to the Audient. . . for the 'enstorialization' of the Ordinas shortess . . . Systemical oligensia organity the localization of converted excitement manages at parts of the body which, in connectorage of their necessary matabality for river-

so they become 'basal' compensor regulierations of other hysterical symptoms

And as Feetchel so secrinotly puts it: "Manosymptomatic hysterina frequently demonstrate Ference's conception their substitute empropries in a regional change of changed fractions, and the afflicted cover second totals in used as a substitute for the centrals. This

hypercrafts and weelling, representing creation; or it may be limited to absorbed With regard to the transportedly converted assual impalses involved in such

"Man tracking are the innocest but purelengto vegrature of modern) were

who wrote constantly of 'pasting with destre' for the God incurrate, and of their istimate ecstastes when the featre was falfilled. Mary of Orejes spent thirtyfive days is affect trance, broken now and then only by the words 'I desire the live days as assest trance, broars now and than way up one worse a water, body of our Lord Jesus Christ.' The suintly Luitgard of Tongurn had sure replaces transports; T am my Deloved's, ' she exclaimed, 'and file desire is towerds see. ' Rister Mechilid of Mandeburg had steading statement the Security ful Youth Christ. ' who spoke to her in lowers' language and called her to the "cough of love." "I am a fullgrown bride and will have my Bridegroom." sho rhaneodized; and in her supresse ecotastes also became "Bride of the Trighty." Writing before the boyday of Freud, the historian Henry Ophorn Taylor asked: "Are these virgins rewarded in the life to come with what then sourced in the ?" Hysteria and hysterical stigmatization appear to be psychopathalogical entities where the conversion of sexual urges are only occarebut more suitly disguised than there reports from the medieval steinbern.

PPS-002 STIGMATA AND SKIN WRITING

Survey. The history of atigmatication has functioned observers from the time of 20. Practice of Assists to the 15th Century to the present. That history is reviewed here. Carefully detailed surface of a modern stigmation person. Thereso Numara, reveals a seriously disturbed young scenar, a severe hyperical correculator. One own namente concelled disturbance before her

stignutization.

Far more care are reports of non-religious stignutization. The most striking report to that of William Seedies in a case undergoing psychocatalysis. The classical psychodyments interprotation of hystorical stignute by Feeshel and Forence in quoted in which they are seen as hystorical "materialization".

and Ferencial in quoted in which they are seen as hysterical "materializations" or "genium actions." A new religious stigment agion is reported in this paper, in which the Cedipal conflicts and ambivulences seem to be directly expensed.

PPS 002 STIGMATA - AN UNSOLVED MYSTERY

Smith, Suny: Pale, 26:67-74, March 1979.

One of the most enhancing station stigmation in the bisiery of this inseplicately phenomenon is Lorian latera, a strongle Beylinn peasure gift whose can situated some than 180 doctors and many sentent Gabble characheses to the Lorian was born to Best of Maise in 1800 and Best all the California was born to Best of Maise in 1800 and Best of Lorian van born to Best of Maise in 1800 and Best of Lorian van born to Best of Maise in 1800 and Best of Lorian van born to Best of Maise in 1800 and Best of Lorian van Dente State (1800 and 1800 an

softed films involving issues nearly profession. The eligentic first appeared is April 33, 1486. Electing securis showed on the plant of the hadia and on before, and if all had been driven through them. Bit of flowed from hir rido as from a prace recent and eligible of their olivided har from K. Est liftening appeared between middigit and 160 a. m. every Triffer proming and hands to so that the second of the desires of the second of the desires or the second lastics over had as optimized not be the particular that the second of the desires one shift by the second lastics over had as optimized to the phenomenon me shift by the last practicates of the ridory. Firstify, a desired of the plant particular through the profession of the desires one shift by the last practicates of the ridory. Firstify, a desired the second of the desired of the plant particular through the plant particular through the plant particular through the plant particular through the second of the plant particular through th

can do the phenomen or will they find any indication of trobury. "Firstly, of the request of explicacy authorities are post 30 vector to the find of life indication of the request of explication and the region of the first scale of the region of the regi

on Friday afterween her busids were stoud to have both as ween. In: Warksmooth these deviced a glass optimized in solution was more as were set as we requested to get as bot band. When her have all the solution was that it was repossible to get as bot band. When her have all the solution was the set of the second of the solution of the apparation was examined in the response of medical ordersees. Some of their notificient disperse, the hand was found to have been described on the set of their s

non although several members rejected any superintural interpretation. And today we are no closer than were these 19th Century modical men to understanding stigmatication.

STIGMATA AND SKIN WRITING PPS-002

Although the phenomenes is nower connectation in occurs more frequently has no exaltar. Now the solution destrokes how frontinglied every hower has now for the control of the control of

matization over the cestarios only 30 stigmatists later have been carentized as unints.

The first stigmatic recognized by the church was St. Francis of Assist. Lesiens through the hands and feet appeared and within the wounds was a hard stell better softstone in the Ceru of units.



Stigmets. (Drawing by John C. Holder)

Fr. Bertvert Diezenton, writing in the <u>Proceedings</u> of the Society for Psychological Security, Vol. 2012, or. The Phanestone of Signaturina's. Tells or many statements of the Phanestone of Signaturina's. Tells or many statements of the Phanestone of Signaturina's statements of the Sig

recovered. Pair weeks later also experienced har first sectiony. Her condensariant histographer, pulsar formance, quiete her description of the scription of the contrast, "While repeating part of the right is proper all of a selden Liter for use of years seemed. Donot see self-bodies beaux coveribles, like was blooding all overs. I providented repeat with my dominant on the ground and there rereads so the contrast of the contrast model later to the contrast model later on the end-to-

on my wided that they have severe since left it." Several weeks latar the denviseed bleeding wounds which appeared every Trickle.

For the signature, and the posteticity, even Heshbood, of an hysterical extrips for the signature, Tabler Thomaton aspec, "It will be regulity seen why I comparate the last that the vector's in Gennau's body corresponded in position and either with Dobos of the general eventiles before which she was in the habit of persyste," Yes,

those of the great executive before which also was fixed that the foreign." Yet, in the personnel of account to by well-income exclusions the halds of account to by well-income exclusions the volume of accounting the many according the many as automatically accessive or newsing the writer of detherance fathermore, or the personnel of the service of the personnel of the personne

follows: a young man of Thomese (Bady). 25 young of ago. "In 2007 the assurance on excitous fillows from which the more recovered. So we are so that also mean as a youth lower after which the moves." Registered to positive of Christ or All Tolkshading, at happy course were how. Registered the positive of Christ or All Tolkshading, at happy course were how. Registered the positive of Christ or Month of the Christ of Christ

(intrestingly, the case in the only well-attented example of complete stignostication is a load of three the time of the. Francis. 7;
Father Thurston has accounts of him from two sysvetimenses. One was Monsigner Koncely, Architectury of Sterla, who visited Poggia in 1930. Turbur Thurston virtus. Thing himself a Capacition and a profile (Boostper Recordy)

was able to concribe a certain authority over Pathy Pio but the Eighter gibes altering the hands to be examined begged no histosomy to be excused from any forther imputition that the archbiology left he could not insten. Still his testimony as to the reside of the evend-rounds in the hands, which are always hidden from view by mitreas, in position." In view of the repairs of witnesses who reported on the adignation Pather.

of these mantiestations, though hardy any two accurates are constity falls. But satify a very pred diversity in the character of the wounds, the coder of develop-"ARDough cases of Protestants and substituters are leaven the great materity of bilgoration are Recursa Catholic mystics and of these the majority are women."—Boovel counts <u>Reference</u>. ward, the nected city of the bleeding and so on, there are certain features found to rearly all the cases. . . . First there is a background of tileses, then a vivid realization and concentration on the wounds of Christ for some time before any bleeding afternrs. "Whatever we have the opportunity of studying the subject's frame of mind," Father Thurston ages, "we see the intensity of the mental impression. One would think that if any imparisation could produce a powerful physical effect upon the body it would be such as is revealed to us in some of these stigmatics."

Even in today's ern of psychosomatic medicine we heathate to ascribe so prolound an effect to more "imagination." Yet if the conscious mind is set capable of such manifestations, ago they be brought about by the uncusscious mind? Hymotosis have pendaced blisters and other wounts simply by suggestion to hypothed persons and in 1865 cas Dr. Diggs produced crariform marks on the chest of one of his subjects. In his report in the Journal of the Society for Psychical Research, Vol. 5. Dr. Riggs tells of having "magnetized" a figure Eurhura, Calif. girl. He gave her the magnetion: "You will have a red orous appear on the apper part of your chast, sale on every Priday. In the course of time the words Sancia. above the cross and Crucio beneath it will also appear; at the same tires a little bleed will come from the cross," Dr. Blaze that touched the girl's chest with a cross made of rock crystal. On Friday a pink cross spacered scattly at the place he had touched and other that it appeared every Friday for the period of time he had designated tabout four mostless. It was invisible on all other days.

Blood was noticed once and also part of the letter "5" above the cross-A case highly suggestive of hypnotic influence is that of N. Verceira Cultus! of the Capachin Order (2000-1727). Her arigmain occured always to open and blood at the command of Father Critedit. This was observed by Bishop Sustachi.

blooding stimuts have never been artificially produced. . . . it has not been for want of trying, ... We may perhaps fairly draw the conclusion that the automazaution of the reveto---- if indeed it be autoraggestion--- in an immunous more powerful If no conclude with Thursday that becovers us ruled out as a possible explana-

and passions and a seet of irresistible craving to make council interesting to attract attestion, to be talked about, to be blamed and condensed just an much At times the broducte is constants constand the has seen, beard or done all Ultratetime, herein or trusts person show part she acts. This conststion can buyers so intense that the hysteric is capable of overring false caths to proce

her lies are true. It makes her capable of especial herself to severe purishmore, as if she were guilty of all the semetimes abordizable things of which she Thus in the face of no-called paranormal phenomena of my kind the first. question to be saided in whether hystorical mothersania (proposally for lying or employeting) has played a part. This was the verdict in a case of a stigratic

who aroused considerable affection in the 20th Century--- Therete Neumore of For many years, the faithful flocked to witness the phenomena of blooding and wounds which she begue experiencing in 1900. Yet when the Meleop of Revartanshed her to enter a university offsite for medical observation, she reduced, saying her lather would not preced her to pro. Her handly a opposition also made it impossible for deductors to examine her linearcology sough to verify or reject her.

chains. Members of a church commission which investigated her news actually surbleed oming from her tissues. Effecting seven occurred encept when Thereis was bolden under the bedefathout or what every single witness had been compalled to heave the room. It was concluded that no real supportantials existed and

to serve use (1988). It was construed that no leas singulatealise existed and Theretoe was singly as hysteric.

Prof. Janz Lhorulita, one of the doctors who occurlined har, stated, "do crefs the story of Durseas Naturan. A sugar hysteric with the deceptive streak that section of the story of Durseas Naturan. A sugar hysteric with the deceptive streak that section of the sugarantees of Notacranach.

remedia terraffito cas:

Taker Thorizon servicione, "We sight to not vessitive this sestimate that Taker Thorizon servicione," whe sight to not vessitive this sestimate that problem seven limited to the delay with we have no the boso considering. But reproduce the constraint of the

while traves of tremendous landars are inhabitation of old size, insteam within tubes morned circumstances would have canded the southnesses of this preparation to the contrast of was contrastly supposed, ..., set why to have piezoed the action of one fewtone, the was contrastly supposed, ..., and why to have piezoed the sixth of contrast contrast, and the contrast of the con

statist doubt her extracted haart van feaul to law a wick bertoomd flauurshaart van trasent by statistic haart van feaul to law a van de kanten de kanten

would have been impossible for syrone is line with south award.

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Personally nettined B. Presental distinged lather in the line "instruments
produced in minimum in her beard. During her life of our ere saves that we give
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STIGMATA AND SKIN WRITING PPS-00

spiritual ceptials. Such a red ring appeared in the Such of Marie-Julia Jahenry. Dr. Imber-Gearbeyre, professor at the Medical School of Cherenst-Ferrand. France, studied her over a period of 20 years with the sauctice and concurantment of the highest of her diocese. In 1873 when she was 25 she subhited in successive stages the various phenomena of stignatization. These were crowned by the appearance of a mystical rise, a hoop of vivid red oreireliar the rise flager of her right hand. In later years the ring seemed like red coral suck into

the skin on her finger and it receased visible all her life. Describe our marked advancement in knowledge of the human mind we know no meet about the course of atternatization than did the 17th-Gentury sectionization Bowers, we describe it---as braterical self-bypecs is or a miracle of God---

we are no closer than they were to explaining it.

PPS-003 THE INFI LIENCE OF HYPNOTIC SUGGESTION ON INFLAMMATORY COMDITIONS

Hadfield, J. Arthur, and Oues, M. A.; Lancet, 676-675, November 3, 1917.

There has from time to time been considerable confessors; as to whether He possibility.

Blisters on Sits caused by Hypertic Suggestion. 1. In the first instance the blister was produced somewhat unempercedly. I had hypertised the patient, whom petitive to the noticed that I was tracking here with a red-hot iron. When I touched shout the matter. But half as hour later the patient returned and asked if I had aroused that this alone had produced the blister. In my case, probably the accratchnation knew nothing of my intention nor comprehend anything of my magazine. 2. The sext experiment was performed under strict coeditions. The nation was hyproclised as before, and the suggestions made that his arm was being teached with a rest-but tree and that a bitster would form. He was watched for making state. The arm was then bandaged up with a large reller bindage, so that it would be impossible for him to interfere with the area touched: the headage was pirmed with a safety-pie, the pin sealed with sealing-wax, and the cutient sent to the ward. I retarned in six hours from the commonwement of the ownerearly and across to the others' was to add see to perform set of the pair, but were set on the about the sense in the pair had reddenly caused. When I creates the handges I found that I have been pair had reddenly caused. When I creates the handges I found that I have been pair had reddenly caused. There was a white paired of sets when the contra, understand which was a flight across of the dat and proposate across. The pair was then held set to the pair of the sets of the contrast of the sets of the sets of the set of the set of the set of the sets of the set of the set of the set of the sets of the sets of the set of the set of the set of the sets of the set of the set of the sets of the sets of the set of the sets of the sets

The contributed was regulated under still stricted conditions a few days after. This time the lateral support of the upper urm was chosen instead of the antarior taxest of the ferences. Suspentions were ready in the same manner as believe but the following stricter productions were taken. I was personally sever left alone with the nations; the nations were cause but stone and a ally never sources the arm to one people, this thing uses by account response present, whilst I reads the verbal supportions. Throughout the dot the period was watched, and at hight-time he was not only watched by the might name, next to whose table his had was placed, but his arm was accordy bound on and sealed as before. The next morning the bandage was removed in the presence of three surgrees including the Deputy Surgrees-Generals. The seal and burdage were harden including are report marginer to the spot suggested the beginning of addition on before, which re-healty developed during the day to form a large blab with we wrom of inflammation around. Photographs were taken of this bilister. In this near the headings was running to his house after the emeriment was storted taken for the blistey to form in this case was partly due to the fact that the arm was for some hours expected to the cold size; and size probably to the outra thick-"acloop" for about half the time and "swake" the other held, but for the whole time, except to the normal steep at night retrick was, however, tudaced by manner of housesteres, the cettest showed alone of being in pair. The pattent

related in a symposition, one source moreons argue to event, or alreaded and got like the state of the state

Effect of Suggestion of Ten part and Ten part is not one may not one of personnel a 1986 (but the parties steet hypotent see that it remove the set of a steet personnel a 1986 (but the personnel steet) in a flatter of the set of a steet personnel steet of a steet personnel steet of the set of the

part. Purther, simultaneously with Experiment 5 I made an actual burn and corrected pair—the condition, of course, which would occur in the normal supfice 1500, every field in this case his paidest, being hypostoset, length all shows the "sub-visit" before it. This continued is pain afterwards, and in this case there was very considerable hypocraturia, and the bars should length on beat.

STIGMATA AND SKIN WRITING

Minter formed in Experiment 3 shows (a) Rister profiles by suggestion (See).

(i) A Blister produced by the free-well (pair, Bigs, 4) in Blister produced by the fire-well (pair, Bigs, 4) in Blister produced by the fire-well (pair, Bigs, 4) in Blister produced by the fire-well (pair, Bigs, 4) in Blister produced by the fire-well (pair, Bigs, 4) in Blister produced by a suggestion.

It was a produced by the produced by the suggestion of the support of of the sup

agreement of the property of t

by the surptied means magnetic by Bitten or, II possible, by typicate secunsical content on guarant systality in behalful.

By The regulation of the blood-supply. It is a well-down fact that population may be produced by suggestion. The experiences and is recorded to the supplement of the produced by suggestion. The experiences used in recorded an associately against the supplement of the supplement of the superior supplement of the supplement of the supplement supplement, and have standed at present of the foreign (it is a larger proposed to supplement of patients, we may be able to affect for good age engaged inflationary proposed and patients, we may be able to affect for good age engaged inflationary and the supplemental patients and the supplemental patients. The supplemental patients are supplementally the supplemental patients and the supplemental patients are supplemental patients. The supplemental patients are supplementally the supplemental patients are supplementally the supplemental patients and the supplemental patients are supplementally the supplemental patients.

Let us suppose be a revenue that these apportunists all) construct beas when suppossible will happened were, and more all which copy cent the series of the suppose of the

STIGMATA AND SKIN WRITING

PFS-004 ISKIN MARKINGS THROUGH HYPWOSISI

Stages. M. H.; Society for Paychical Separch, Journal, 3:100-160, 1887.

From Dr. Higgs, of Lima. We one the record to the kindness of Mr. II. Brotuget of I. Metoria-briblings. Wester-some, Mare, to whose brother Ortober 18th, 1886.

Dear Mr. Rooburgh, --- In reply to your favour of let alt. . asking me to give you a statement in regard to the cross which you saw on Maria's arm, and which I caused to amount there by acting on her mind while in magnetic sloep. It was hard on her head for gloud a release. I then said: "Marin, do you hear me?" Asswer: "Yes." "Are you thoroughly magnetised?" Asswer: "Yes." "Now listen attentively; a cross is going to appear on your right arm, and remain there until I tell it to an year. Here is where it is to server. " If then dear-thad a cross with my forefleers on the least wide of her right foresters.) "Water the a cross with my foreitigger on the timer size of her right foreign). Have you understand what I have said to you?" Answer: "Yes." I then applieded her by two or three un-passes; for the rest two or three days she seemed solly and out of sects, would now and then rub her right arm, over the part where the cross was to appear; when asked why she did thin, said there was an itening and she could cause the irritation. I then magnetised her as before, and select: "Do you recelled what I told you the other day about the cross that is to appear on your name?" Assess: "Yes." "Will II appear?" Assess: "Yes." "When?" Assess: "In a few days," "Well II want come out in these days, do you understand?" Answer: "Yes." By the time appointed a distin-red group, four or five inches loor and about three lands wide, made its appearance. At first we pretended not to notice this, although we could often see the lower part of it when her elsevehossessed. It was celt at intervals, when thrown into the magnetic cleep, that we could get a full view of the cross; never a word had been said to her about "Who, Marin, what is the matter with your arm? have you burl it? What mark to this? Let me sees will un your aleeve." She did no with a slightly miley. anharmed air. "Why it looks like a gross; where did you get thin?" "I don't know, sir!" "How long has this been on your arm?" "Nore than a mosth, sir." "Have you felt arnthing?" "No. sir; only at one time I had a great deal of Webing and burning, and a few days afterwards this mark came out on my arm." two weeks also reads har removement at two office in lower, asking me to remove now living, and she was much appoved at the many questions asked her. I mannewould be no more troubled with it. I naw her a few days afterwards at Sallo; the

ing there in 1879 with a friend. Mr. G., a long-resident chemist in that lows. His wife had a blod of half nervest and half communion, a ziri of about 18, who complained to me one day of a pain through her chest. Without her knowing what I intended to do. I tried magnetism; she fell into a deep magnetic above in a few rejustes. With this subject I tried many intercetting experiments which I will none may. One day I magnetised her as usual and told her in a whitever if had found her to be reare suggested this way than when I spoke about in the usual votce): "You will have a red cross appear on the unner part of your shant redu and Crucis undermeath it will appear alto: at some time a little blood will come force the cross * In my past ported I had a cross of met crostal. I present the top button of her dress, and placed this cross on the upper part of the manubrium. a point she could not see unless by aid of a looking-class, sorting to her: " to the cost when the second off second if This cost of Tender I select Man of her chest consists dearn this was feetenably extended, or if the felt owntickling, or slight irritation about the next, but not otherwise naticed; she secred to carry buy hard on now and then unconstitutiby. When Video come I daid, ofter breakfast. "Come but me magnetice and a little was been not had a dose for several days, " Once, let me reagastize you a little; you have not always concessed berealf as feeling year much rested and comparishly oftenwands. In a few wignies she was in a feep shoop. I unbuttened the top part of Printy, and was installed on all other form. This was used to Mr. and Mar. G., and not ski friend and colleges the N., who had become much increased he wished to see tyied. About six weeks after the years first appeared I had constition to take a total to the Eardwich Islands. Refere year, I measurabled the evaluation to take a tirty to the Sandwich research, merers going, a reagentness the girl, told her that me cross would meep on aboving Hadd every recent on an four woulde. I intended my trip to the falands would built about three morths I the heart agent the sirl from the infinite of the mark as account. perhaps for a hibstrace, is come anything religit happen to me and present me from participation for a filed rate, in come appearing ranges copped to the analysis of the participation of the partic Hamefords, and tell one if the cross kent on appending every France, and to be were conselled to make any observe about our take place, such as the surgice of have if distance between or the sid and proved over 2 feet witer. difference is the reportion of the group. While I was at the fundated belonds I processed two batterys from Mr. C. and one from Dr. B. In these different watte, each telling me that the cours book or making its appearance on court blood had been noticed once, and also part of the letter S above the cross, making reare. I retermed in a little less than those reaction. The cross will reads its amounted story Pytfar, and did as by about a regeth more, but getting palor and paled until it became invisible, as nearly as possible four membs frees the tion I left for the Sandwich Islands. The above-mentioned young norman was o native Californian, of Spanish parentage, about 16 years of age, of tolorable short health, margets and propularization of the was of fair rateral intelligence.

his attests highered and simulationed.

The titled case was taken A light added into to try the proper of reagonities to reducing the situs of a large golders which treathed here. Her needs was 40 centi-serious to reformate productioned with a law things in londermant if a gradually large latter than the latter of the large latter of the large latter of the large latter of the large latter of latter of

tion for an electronic contribution to price, we would be not write a long communities of below adoption, the long, the contribution of the work of the contribution of the contribution

much associated reports. "They, seedly two months ago I withold that a trace should appear on the gotter." We increasingly reveal the ceilitre, and said, "There is its." Ears except there except the cross. She that said me that the covering below the deviatements and cores in to try, and force, and contract only the covering below the deviatements and cores in to try, and force and, and contract only the covering the

It is also of the controlling pirt, it regists to about 97 to converse our news.

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of aggle empetitations, and ny experiments into always greatly also have been used to be a best lossed as well to the Architects that I show the control of the Architects that I show the considerable control of the Architects of those resultable control of the Architects of those resultable control of the Architects of those resultable control of the Architects of the A

SECTION PS: PSYHIC SOUNDS

Psychic product, whether table regists, mysterious believingslips, on the materings of phone are the neutron scalege of Lindications. First of two passes content became according to the production of the produc

*PSV Vecal revelations, vol

*This subsection set included in Yel. PL



Notice in the night (software), (Drawing by John C. Holden)

"SOUNDS FROM THE UNKNOWN"

Bennett, Edward T.; Society for Prychical Repearch, Journal, 9:89-90, 1889.

trader this title the following account appears to Payghinche Studies for Pebruary, 1600, p. 112. It is taken from the Sunday Supelement of No. 580. Vol. for 1898, of the Setchsherold, edited by Dr. Bockel, at Marburg. John Henry you Theren, who was been on June 24th, 1760, at Kanarieeshausen, in Jeverland, in stated to have been a prominent land owner and springly suffer. a man of considerable meetal power, the writer of various books, especially of a standard work extitled Der lesliste Staat und setze Gegetse. In his lettern of a standard work estition the testino stant and nothe teneror. It was square.

There is said to exhibit himself as a man of thorough stecority, soble disposition, and elevated character. Thunes had three scent, the second of whom Alexander, his invertie child, died is the year 1801, at the age of seventous

"In the wight between the 18th and 18th of October, three days after Alexaudor's death, my wife and I were gealer between two and three o'clock. My wife asked me if I did not hear the distinct seemd of a bell. I listened, and heard suck a sound, but put it down to a delusion of the senses. The following sight we were again awake at the name hour, and hourd the name sounds, but more clearly and distinctly. We both compared them to the striking of a bell spite of all their efforts, heard nothing. The same thing was repealed during the following nights. A few days later I heard the reaste to the evening, but it died gway towards midnight, beginning again som after 2 o'clock in the morning. On October 18th, Alexander's highligy, the music was particularly bunntl-But to me the feeling of rest which it produced was only transiest. The understate of strate. For more than four weeks not sleep at night was so broken that I became outse worn out. I used carefully to histen if I easist detect any consecrone. Is the course of these four weeks the character of the music greatly changed; it become much stronger, so that it was suitble in the midst of all kinds of soises, and was a hindrance to my reading and writing in the evenings. But as it grow stronger, the benefits! harmony dissistant, and at this time we could get covering it to the count produced by a number of bells clarging simulturements. At last eyes my wife wished it would cause, as the classics sheek car nerves and greatly affected there. In the middle of November solice alleans conned, seither my wife nor myself hearing the least sound.

"Now the doubt name areas whether this music of the spheres had not been only a result of our excited state of mind and feeling. My wife felt and and melapoboly. But again after about eight days the muste becau, very postly at strength, clear and melodious, and with a force and veriety of expression we had named before appartment. After Christman II spain coased. On New Year's Eve we listened in vain, and this silence continued through most of January. we were decreased, both when we were till and when we were well. It always

PSP-002 POLTERGEIST PHENOMENA

come is the name manner, and opportunity from the name direction. It was not possible for our sold longer to enforther at each at in its region, and the other thought is had entirely designated. Rimewer, at the end of Jamesey is the entirely designated, in character. On the none of with the larges, and those it entirely designated in character. On the none of the first larges, and those it entirely designated in the most reason and an entirely designated in the control of the second of the most reason and an entirely designated in the control of the contr

were residue of an able to occurate it with anything earthly."

Mere the extract trees J. R. wer threen's lattice saids. The following paragraph is sided to hypothesis founder, papersity takes from the blegraphy.—

"This wooderful reads was often heard ontologuently, copecially on inselfs understand the said."

All set open, can able the defend of the self. But confirms

"This moderful runis" was clear heard sobsequently, superailly on least!
"This moderful runis" and the decision of the wife, has confined
some statement of the size of the si

PSP-662 RAPS AND BANGS AND SOUNDS RESIDENCING FOOTSTEPS

Lather, Martin: Noted Witnessen for Psychic Congruences, W. F. Prince, ed., University Books, New York, 1963, pp. 250-280. Originally published in 1928, Booton Scietcy for Psychologial Sessance.

Lather (1453-1546), was, of course, one of the most forcodd and significant figures in the history of Wastern (stilliestless. Pennant, ardelar, most, consuccesse public orator. Righer against pagis denses, fruitly spream station of the Garway religione or referencinc, cameracands position writer, incastour of the 28th into American of the people, the most is the a supermant of bothers.

He was a bullioner is set only the devel, but in devide everywhere eveking to evening the what has a very likely as increased remixing supervisor of an apparatism be interpreted to be the devel, there has instanted, ink and all, at the hand of the figure whech disapparent, as it would preclaimly bree does, devil the hand of the figure when the same on record much the figure had howers. If it is remarked, are probably in the figure had howers, if it is removed, as probably in the house of the figure had howers, if it is removed to the figure and had been considered as the figure and th

We would not give a cup for his optains or interpretations about such things, but so far as he testifies to and describes facts of his experience he is establed to be heard.

Now it his instrucer, given in his Table Tells.

Whee, it 1521, or my quitting Worms, I was taken princeer near Electricia, and conducted to my Palmen, the castle of Warthurg, I dwelt far apart from the

world in my chamber, and no one could come to me but two worths, some of noblemen, who waited on one with my meals twice a day. Among other though they had brought rae a bur of puts, which I had not in a cheer in my silling-roses. One evening, after I had retired to my chamber, which adjoined the sitting-reasy. had pel out the light and got into bod. It seemed to me all at once that the rate had put themselves in motion; and immeing about in the stack, and knocking violently coursest each other, came to the side of my bed to make noises at we-However, this did not harm me, and I went to sleep. Dr and by I was wakened up by a great agine on the states, which sounded as though constody was turalling down them a hundred harvele, see ofter grother. Yet I know very well that the door at the bottom of the stairs was fostened with chains, and that the door itself was of iron, so that no one could enter. I rose immediately to see what it was, carlatener, "Is it thou? Well, be it so!" (nearing the devil and I recommended myself to our Leed Jesses Christ, and returned to bed. The wife of John Berbibs came to Riccomb. She suspected where I was, and insisted upon seeing me; but the thing was impressible. To anish har, they removed use to awaker part of the castle, and allowed her to sleep to the apartment I had occupied. In the night the heard such as uprour. that the through there were a thousand devile in the place ("Tischreden," 2001 "Once," he says, "In our monastery at Wittesboye, I distinctly heard the

devil making a noise. I was beginning to read the Paulma, after having rates brated matter, when, interrupting my studies, the deed came into my retiand there made a noise behind the store, just as though he was dragging some wooden menters along the floor. As I found that he was going to begin again. I gathered together my books and got into bed. . . . Another time in the night. I beard him above my cell, walking in the cloister, but as I knew it was the devil, I paid so attention to him, and swell to sheen."

255.003 INCALINO COST LEI

Atterprious: Society for Psychical Besearch, Journal, 9:27, 1889.

Bealings Bells were well-publicized at the tars of the century as good evidence of "hausting" or policerested wetween

We now come to the remarkable bell-ringing at Major Moor's house. Great Benlings, near Woodbridge, Suffolk, in 1834. It became as February 2nd and continued almost daily till March 27th. The result correlat representation and obnorvation by the Major and his friends failed to discover any natural runns. All the bells rung either tegether or separately, except the frost door bell. which would be the most easy to play irides with. They rang just the same when all the nervants were brought together by Major Moor; and also in the presence of reperiers and others. The violence of the peaks and the rapidity of the moving bells could not be imitated. Major Moor wrote an vaccent of the disturbance is a letter to the [powers formal, and bankles many inadequate or feelish attempts at explanation he received letters from all parts of the kingdess describing similar occurrences is vortees houses. A charge on the ways nine wars, and which could be leaved for sixty years back. Lieutenant Rivers had equally invatorious hell-ringing with these at Bealings in his rooms at Green-

PSP-004 POLTERGEIST PHENOMENA

with Bogatal. Centaine washing by bimorell, by freede, by the official surseyor and tell-anger, failed to discover any cases whatever. This trigging lated four days. I also the days of the surpers of the days of the surpers of the own case and blood of the various other persons who allow documents and with his and the whole constitutes a body of fairst autometic on the best possible originate. Which is also as sufficient to demonstrate that "from their pensylicative" of which the

PSP-004 THE RINGING OF HOUSE BELLS WITHOUT APPARENT CAUSE

Tweedule, C. L.: Sphry, St.189, August 12, 1999. Kindly allow me space for a few remarks upon Sty Cliner Ladge's theory, not forth in Sutare of July 22 in. 591, to the effect that "the bells set charmed

with obstrately tamospherers, and are attracted to an aphberring wall or typical of the replaced analysis to a specific way, with the three control the fail of the replaced analysis to a specific way, with the time control the fail of a thousand control of the description, and providing that ordinary and a control of the replaced and the replaced and the replaced and the control of the replaced and the replaced

efforts. There were no rate. the house beging been reads rat-proof, nor did we see one redest during our stay. The wires were carefully traced and examined. Peodalums were affixed to all the bells to detect slight motion, and they were strongly illuminated by a powerful light and a watch loost, securitines all through the night. The chief offender among the bells was one communicating with a private room. The wire from this ran, high up near the celling, upon the varnished paper, except where it passed through a wall, which it shi through a half-look nine. It was impossible for a ret or mouse to touch it all along its course. This bell rang repeatedly from early morn to late at night. The room door looked. Still the bell rung, and defied all our efforts to electifule the nowsome little distance over, one of them said. "I wonder if it will vice to-sight?" The words were scarcely spoken before the bell rang out, first faintly, then so violently that the bell fashed from side to side. All ran out and now it awaying, I can state that during the whole period we had no thanderstorm. It being winter, and the ringings were no frequent that it would have needed nooren of storms and stmosphesis or other.

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