AN EXPONENT OF THE SPIRITUAL PHILOSOPHY: ITS SCIENCE, AND ALLIED SUBJECTS

Volume 19

Published by The Hamburg Publishing Company

HAMBURG, N. Y., NOVEMBER 9, 1907.

Issued Every Saturday at One Dollar a Year

Number 10

## SIR WILLIAM CROOKES America), have strikingly illustrated struct what she has been, and to proph- development, he is seen to consist the extent to which patient experimenesy what she shall be. Veil after essentially of a thinking brain, the

### PSYCHICAL RESEARCH.

article to present to skeptics:

of the Smithsonian Report are intended hitherto known or recognized ways. as a rule to set forth accounts of known speculations.

Science and to the Society for Psychical self to pointing out the direction in for the upward evolution of mankind. their president, Prof. William Crookes, contain, however, speculations so an exception is here made in their are not presented as demonstrated fact. S. P. LANGLEY, Secretary.

ment of Science, 1898.

\* \* \* No incident in my scientific career is more widely known than the part I took many years ago in certain psychic researches. Thirty years have passed since I published an account of experiments tending to show that outside our scientific knowledge there exists a Force exercised by intelligence differing from the ordinary intelligence common to mortals. This fact in my life is, of course, well understood by those who honored me with the invitation to become your president. Perhaps among my audience some may feel curious as to whether I shall speak out or be silent. I elect to speak, although briefly. To enter at length on a still debatable subject would be unduly to insist on a topic which—as of a Branly or Lodge coherer as to sug- strengthen while they narrow the path discussion at these meetings, does not yet enlist the interest of the majority of my scientific brethren. To ignore cowardice—an act of cowardice I feel no temptation to commit.

To stop short in any research that bids fair to widen the gates of knowledge, to recoil from fear of difficulty or adverse criticism, is to bring reproach on science. There is nothing for the investigator to do but to go straight on; "to explore up and down, inch by inch, with the taper his reason;" to follow the light wherever it may lead, even should it at times resemble a will-o'-thewisp. I have nothing to retract. I adhere to my already published statements. Indeed, I might add much thereto. I regret only a certain crudity in those early expositions which, no doubt justly, militated against their acceptance by the scientific world. My own knowledge at that time scarcely extended beyond the fact that certain phenomena new to science had assuredly occurred, and were attested by my own sober senses and, better still, by automatic record. I was like some two-dimensional being who might stand at the singular point of a Riemann's surface, and thus find himself in infinitesimal and inexplicable contact with a plane of existence not his own.

I think I see a little farther now. I have glimpses of something like coherence among the strange elusive phenomena; of something like continuity between those unexplained forces and laws already known. This advance is largely due to the labors of another association, of which I have also this year the honor to be president-the Society for Psychical Research. And were I now introducing

for the first time these inquiries to the \* From report of the British Association for the

Advancement of Science, 1898. Bristol meetings.

annual report of the Smithsonian In- starting point different from that of In every direction there is evolution as address, with such authority as a pres- special functions. Again, waste of stitution several years ago. We are old. It would be well to begin with well as disintegration. It would be ident's chair confers, upon a science tissue and reparation have to be not aware of its having ever been re- telepathy; with the fundamental law, hard to find instances of more rapid which, though still in a purely nascent provided for; hence the necessity for published by any Spiritualist paper. as I believe it to be, that thoughts and progress, moral and physical, than in stage, seems to me at last as import- organs of digestion, assimilation, cir-Its logic and reasoning are of so much images may be transferred from one certain important cases of cure by sug- ant as any other science whatever. culation, respiration, etc., to carry on value that we give it, extensive as it mind to another without the agency of gestion-again to cite a few names out Psychical science, as we here try to these processes effectually; and when is, to our readers. It is a very good the recognized organs of sense-that of many-by Liebeault, Bernheim, the pursue it, is the embryo of something we consider that this highly complex knowledge may enter the human mind late Auguste Voisin, Berillon (in which in time may dominate the whole organ is fitted to undergo active work The articles in the general appendix without being communicated in any France), Schrenck-Notzing (in Ger- world of thought. This possibility— for the best part of a century, we can

portions of addresses to the British usefully brought before one of our thus evoked, as it were, from the until he has seen the chicken. Association for the Advancement of sections. I will therefore confine my-depths of the organism, is of good omen Research, delivered in each case by which scientific investigation can must be scientifically sifted before we legitimately advance. If telepathy effectually grasp a faculty so strange, take place we have two physical facts- so bewildering, and for ages so inscruweighty and ingeniously illustrated that the physical change in the brain of A, table as the direct action of mind on the suggester, and the analogous mind. This delicate task needs a favor, but it is to be repeated that they physical change in the brain of B, the rigorous employment of the method of exist a train of physical cause. When- explained by known causes, including \*Extract from address before the ever the connecting sequence of inter- those far too familiar causes, con-British Association for the Advance- mediate cause begins to be revealed, scious and unconscious fraud. The the inquiry will then come within the inquiry unites the difficulties inherent range of one of the sections of the in all experimentation connected with British association. Such a sequence mind, with tangled human temperacan only occur through an intervening ments, and with observations dependmedium. All the phenomena of the ent less on automatic record than on universe are presumably in some way personal testimony. But difficulties continous, and it is unscientific to call are things to be overcome even in the in the aid of mysterious agencies when, elusory branch of research known as with every fresh advance in knowledge, experimental psychology. It has been it is shown that ether vibrations have characteristic of the leaders among the powers and attributes abundantly equal group of inquirers constituting the mission of thought. It is supposed by combine critical and negative work cells of nerves do not actually touch, penetration and scrupulous fair-mindwidens in sleep, while it narrows almost of the late Edmund Gurney is largely This condition is so singularly like that evidence in psychical research, which a particularly small pill. conceivable there may be present owe convincing demonstration of the masses of such nerve coherers in the narrow limits of human continuous brain whose special function it may be observation. the subject would be an act of to receive impulses brought from with- It has been said that "Nothing out through the connecting sequence of worth the proving can be proved, nor magnitude. Ræntgen has familiarized may have been in the past, it is true treme minuteness compared with the has forged weapons of observation smallest waves with which we have and analysis by which the veriest tyro ute. hitherto been acquainted, and of dimen- may profit. Science has trained and and there is no reason to suppose that itself for tasks higher, wider, and inof the atoms themselves.

Confirmation of telepathic phenomena proof, perhaps, is drawn from analysis in that matter, which we in our ignomind, when these, whether by accident standing our professed reverence for or design, are brought into conscious its Creator, have hitherto covered with we really can know. survey. Evidence of a region below the opprobrium, the potency and promise threshold of consciousness has been pre- of all terrestrial life." I should pre-Research, and its various aspects are be- potency of all forms of matter. ing interpreted and welded into a com- In old Egyptian days a well-known prehensive whole by the pertinacious inscription was carved over the portal genius of F. W. H. Myers. Con- of the temple of Isis: "I am whatcurrently, our knowledge of the facts ever hath been, is, or ever will be; in this obscure region has received and my veil no man hath yet lifted." valuable additions at the hands of Not thus do modern seekers after truth laborers in other countries. To mention confront nature—the word that stands a few names out of many, the observa- for the baffling mysteries of the unitions of Richet, Pierre Janet, and Binet verse. Steadily unflinchingly, we the Society for Psychical Research, January 29, made on the system in other respects, (in France), of Breuer and Freud (in strive to pierce the inmost heart of 1897. Reprinted from proceedings of the Society must conspire to reduce the size of

states. While it is clear that our knowledge of subconscious mentation is still to be developed, we must beware of chical Research. rashly assuming that all variations

A formidable range of phenomena

us with an order of vibrations of ex- no longer. The science of our century sions comparable with the distance be- fashioned the average mind into habits tween the centers of the atoms of of exactitude and disciplined percepwhich the material universe is built up; tion, and in so doing has fortified we have here reached the limit of fre- comparably more wonderful than even capable, from their extreme minuteness, the earth. It is henceforth open to the internal and external movements glimpses of a profounder scheme of Cosmic law.

Austria), of William James (in Nature, from what she is to recon- 1897, pp. 338-355.

and can thus learn the lessons of more beautiful, august, and wonderful functions, being a transformer where-

Wallace, Lodge, and Barrett have gest a further analogy. The structure of subsequent explorers. To the detectalready shown—though not unfitted for of brain and nerve being similar, it is ive genius of Dr. Richard Hodgson we ance. On the contrary, I feel ignorance would be produced by a change in the is healthful stimulant; and my force of gravitation. Let us take enforced conviction that neither I nor extreme cases. Say that the power of anyone can possibly lay down before- gravitation were to be doubled. In hand what does not exist in the uni- that case we should have to exert a verse, or even what is not going on vastly increased strength to support ether waves of appropriate order of yet disproved." True though this all round us every day of our lives, ourselves in any other than the prone leaves me with a cheerful hope that or dorsal position, it would be hard to something very new and very arrest- rise from the ground, to run, leap, ing may turn up anywhere at any min- climb, to drag or carry any object.

first, and address myself to those who grinding. sented, since its first inception, in the fer to reverse the apothegm, and to believe with me in the survival of Proceedings of the Society for Psychical say that in life I see the promise and man's individuality after death. I changes in the structure of human will point out a curious, inveterate, beings. To accord with thickened and widespread illusion-the illusion bones, bulging muscles, and larger that our earthly bodies are a kind of respiratory and digestive apparatus, norm of humanity, so that ethereal the body would be heavier and more bodies, if such there be, must corres- massive. The necessity for such pond to them in shape and size.

for Psychical Research, London, Vol. XII, March.

tation can probe subliminal processes, veil we have lifted, and her face grows brain itself, among its manifold alternating personalities and abnormal with every barrier that is withdrawn. by intelligent will power is enabled to react on matter. To communicate \* Address before the Society for Psy- with the external world, the brain requires organs by which it can be The task I am called upon to per- transported from place to place, and from the normal waking condition are form to-day is to my thinking by no other organs by means of which necessarily morbid. The human race means a merely formal or easy matter. energy is supplied to replace that ex-The following was published in the world of science I should choose a has reached no fixed or changeless ideal. It fills me with deep concern to give an pended in the exercise of its own many), Forel (in Switzerland,) van nay, probability-does not make it the not but marvel that it can keep in Although the inquiry has elicited facts Eeden (in Holland), Wetterstrand (in easier to me now. Embryonic develop- tune so long. The human creature and admitted scientific facts and not of with reference to the mind, it has not Sweden), Milne-Bramwell and Lloyd ement is apt to be both rapid and represents the most perfect thinking yet reached the scientific stage of Tuckey (in England). This is not the interesting; yet the prudent man and acting machine yet evolved on The following two articles, forming certainty which would entitle it to be place for details, but the vis medicatrix shrinks from dogmatising on the egg this earth, developing through countless ages in strict harmony with the Nevertheless, I desire, if I can, to surrounding conditions of temperature, say a helpful word. And I ask my- atmosphere, light, and gravitation. self what kind of helpful word. Is The profound modifications in the huthere any connection between my old- man frame, which any important standing interest in psychical prob- alteration in either of these factors lems and such original work as I may would occasion, are strangely unhave been able to do in other branches considered. It is true there have been of science? I think there is such a questionings as to the effects that recipient of the suggestion. Between exclusion—a constant setting aside of connection—that the most helpful might be occasioned by changes in these two physical events there must irrelevant phenomena that could be quality which has aided me in psychi- temperature and atmospheric composical problems and has made me lucky tion, but possible variations in gravin physical discoveries (sometimes of itation seem almost to have escaped rather unexpected kinds) has simply notice. The human body, which long been my knowledge-my vital know- experience and habit have taught us to ledge, if I may so term it-of my consider in its highest development as the perfection of beauty and grace-Most students of nature sooner or "formed in the image of God"-is later pass through a process of writ- entirely conditioned by the strength of ing off a large percentage of their gravitation on this globe. So far as supposed capital of knowledge as a has been possible to ascertain, the inmerely illusory asset. As we trace tensity of gravity has not varied more accurately certain familiar se- appreciably within those geologic ages quences of phenomena we begin covering the existence of animated to realize how closely these se- thinking beings. The human race, to any demand-even to the trans- Society for Psychical Research to quences, or laws, as we call them, therefore, has passed through all its are hemmed round by still other laws periods of evolution and development some physiologists that the essential leading to positive discovery. To the myself this writing off of illusory as- sion to this dominant power until it but are separated by a narrow gap which edness of Prof. Henry Sidgwick and sets has gone rather far and the cob- is difficult to conceive any great web of supposed knowledge has been departure from the narrow limits imto extinction during mental activity. due the establishment of canons of pinched (as some one has phrased) into posed on the proportions of the human frame. I am not disposed to bewail the In the first place, I wish to consider

Our muscles would necessarily be Well, it was this attitude of a more powerful, and the skeleton to mind "to let" which first brought me which they are attached would need across Mr. D. D. Home, and which corresponding modification. To work led to my getting a glimpse of some such limbs a more rapid transformation important laws of matter and energy of matter would be required; hence the of which I fear many of my fellow supply of nourishment must be greater, quency. It is known that the action of the wisest among our ancestors imag- physicists still prefer to be uncogniz- involving enlarged digestive organs, thought is accompanied by certain ined. Like the souls in Plato's myth ant. It is this same accessible temper and a larger respiratory apparatus to molecular movements in the brain, and that follow the chariot of Zeus, it has of mind which leads me to follow the allow of the perfect aeration of the here we have physical vibrations ascended to a point of vision far above problems of the Society for Psychical increased mass of blood. To keep up Research with an interest which, if the circulation with the necessary of acting direct on individual molecules, science to transcend all we now think somewhat calmed by advancing years, force, either the heart would have to while their rapidity approaches that of we know of matter and gain new and by perception of the inevitable be more powerful or the distance slowness of discovery, is still as deep through which the blood would require a feeling as any which life has left to be impelled must be reduced. The An eminent predecesor in this chair me. And I shall try to utilize this increased amount of nourishment is afforded by many converging exper- declared that "by an intellectual ne- temper of mind to-day by clearing demanded would involve a correspondiments and by many spontaneous occur- cessity he crossed the boundary of away, so far as I can, certain pre- ing increase in the difficulty of its rences only thus intelligible. The varied experimental evidence, and discerned suppositions, on one side or the other, collection, and the struggle for existwhich seems to me to depend upon a ence would be intensified. More food of the subconscious workings of the rance of its latent powers, and notwith- too hasty assumption that we know being required day by day, the jaws more about the universe than as yet would have to be enlarged and the muscles strengthened. The teeth also I will take the most essential part must be adapted for extra tearing and

These considerations involve marked alterations in structure would be When we take a physical view of increased by the liability to fall. The a human being in his highest form of necessity of keeping the center of Address by the president, William Crookes, to gravity low, and the great demands

(Continued on page 4.)



PUBLISHED EVERY SATURDAY BY HAMBURG PUBLISHING COMPANY INCORPORATED 1905 President and Treasurer

FRANK WALKER, ELIZA J. WAKER Secretary HAMBURG, N. Y. 53 MAIN STREET,

FRANK WALKER, EDITOR

Entered as second-class matter October 7, 1907, at the postoffice at Hamburg, N. Y., under the Act of Congress of March 3, 1879.

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#### EDITORIAL NOTES.

Please cast your eye at the date on your address label and see if it looks retary, 415 S. Franklin street, Muncie, good to you. It always looks best to Ind. everybody when well in advance.

It will repay those receiving this issue of the Sunflower to read the long article of Prof. William Crookes, the noted English Scientist. It not only gives one much food for thought, but shows what a mighty thinking chlidren of earth need your co-operaman is he. The article from Mr. tion as never in the history of our Fred Duggan, of Manchester, Eng- present civilization, since the tiny rap land, is timely and worthy of at Hydesville, N. Y., awoke the consideration. Both articles tell their slumbering forces of a superstitious, own story, so that further comment is ignorant and undeveloped humanity. not needed.

#### Some N. S. A. Affairs.

work is active, and the public interest is encouraging. The financial income we bring forth the highest and best needs to have more activity, for success we each have to present as the result depends upon ability to achieve, and of travail in this evolutionary developmoney is the basis of all accomplish- ment of forms, through which soul to ments.

becoming more and more necessary. Hence, as that fund is having steady drains, the convention asked for

A Gratitude DayiTestimonial,

To that end I have made the anthorized call for a public collection and personal donation to be made on Sunday, November 24th, next.

That call has been published for November 20th, which is an error.

Remember, the date set is November 24th. Let all true Spiritualists make that truly a day of gratitude to mediums for their labors of love to us all.

#### Endowment Fund.

official board's appreciation. I add my all, we will don the new garments of

Collectors of Funds.

seal and official signatures. This is truer and better living. important to know, for all donations ceipt. All donations coming to this fluence of divine paternity. office will be receipted for.

#### General Fund

This is an important fund to contribute to, for it is the only working fund for the N. S. A. Do not forget this and fail to assist onr working and good will throughout the civilized power. Help now, for the N. S. A. has immediate need.

Fraternally,

GEORGE W. KATES, Secretary, N. S. A. 600 Pennsylvania Ave., S. E., Washington, D. C.

#### The Temple Fund Society.

of the Temple Fund Society, previous if in your power, which all can do in to being elected secretary of the N. S. thought, and, if possible, help feed A., which latter position will conflict the hungry, clothe and shelter the with giving much attention to the needy, but always assist each to he p squares. If flavoring is desired, it Temple Fund Society effort, I must ask him or herself if weak and faltering should be stirred in just before the that the associates on that society's and when you garner your heritage of mixture is taken from the fire.

entertained hopes that I should be able executed in truth for a perfected to see its growth and usefulness. humanity. There are so many enterprises in the public cause of Spiritualism that each of these will have only a portion of the help that so many desire to give. Great and momentous affairs require that we rally to the public support of WHAT IS SPIRITUALISM, AND WHO ARE the N. S. A. and each of its auxiliary affairs. The whole cause depends upon the support of its units. No more worthy enterprise for public good is instituted than the effort to gain edifices for the Spiritualists to hold meetings therein, and have a home centre. To that end, I trust that the Temple Fund Society will have some support this year, and that my duties in the N. S. A. \$1.00 office will not interfere with prosecution of said society, for the vice-president and secretary, especially, will take up the activities that otherwise I should have made.

All who can will aid this fund by becoming a personal member, the fee of which is one dollar per annum. Swell its working force, and then seek for liberal donations to make a fund now needed to assist in Temple or edifice extension.

Address Mrs. Carrie H. Mong, sec-

Fraternally, GEORGE W. KATES, President.

### DO GOOD.

Welcome, ye hosts of immortal inspirers and spirit loved ones. The

The time has come for solving some of the greatest problems that have ever arisen on the horizon of this thinking world of ours. Let us be All is moving well at this office. The noble men and women, tolerant with one another. Let us be calm while soul reveals the secrets of the unseen The need to assist worthy mediums is but immortal master of each manifest presence in individuality. Liberty of speech and press means greater he was entered a captain in Stark's altitudes of organized brain-centers to regiment. give authority over the elements in nature. We would not have power to use in the propelling forces in nature, until the soul-man had by a process carried mind action up through principles of gradation in the atomic cells to vibrate to the intensity of nature's forces, as in steam and electricity, and their captain, the farmers waited found in organized humanity. write humanity, for we claim that ful, death dealing pageant of British which appears to be a genius, as a warriors swept grandly toward them. Fulton or an Edison, were levitated With the coolness and wonderful preand poised into possession of these cision of a dress parade the old world This fund has had a splendid help by wonderful possibilities through the in-the munificent gift of \$2,000 by Mr. and seperable paternity of the whole and light infantry marching in single file twelve feet apart, the artillery ad-Mrs. A. Sanders, of Elyria, Ohio. The people and thus this effective law is vancing more slowly and thundering N. S. A. thanks to this worthy couple acting everywhere. And, when we out an insolent defiance to the conwas proudly given by the convention, take into consideration that the need ceited little rebels, while on each side and has been supplemented by the of the individual is the necessity of five battalions formed an oblique line own and that of the former secretary, universal brotherhood, and instead of flower of the English army, full blosas personal tributes to such liberality. graft and greed for that which is of somed in learned maneuvers, resplen-May others do likewise, is surely a hope the earth, earthy, each will seek to of all who want to see Spiritualism become a loving brother and sister, make progress toward greater public and the most unfortunate will claim our soulful assistance. We shall seek to learn the why and wherefore of No collectors of money for the En- life's difficulties, and we shall know Bang! Bang! The little rebels were dowment fund or any other fund of the beyond the peradventure of a doubt N. S. A. are as yet appointed. If such that if our fellow men are confronted should be appointed they will have with a stumbling block, the same hinproper credentials, under the N. S. A. ders everybody else's progress into

We need teachers who can instruct should be made direct to this office, or the people from the very soul, from with positive surety to a person whom whence emenates these pure principles you know to be trustworthy, and who of wisdom and love, with hearts true will agree to produce an N. S. A. re- and affectionate with the fostering in-

And we believe with this work begun we will find noble souls everywhere who would join in a grand redeeming birth of humanity into a higher consciousnss of peace on earth world. As we write a melody so beautiful is flowing in most enchanting measure in upon us, from spirit spheres, and we hear these words: "Guardians of your planet waiting the solicitation of mortals open the doors of your earthly habitations, form the time. When a little dropped into your home circles, allow no unhallow- cold water is the consistency of pulty, ed thought to have form in your midst. Speak kindly of everybody and do all and set it aside until it begins to get Having been re-elected as president the good you can. Help the unfortunate, cool. Beat it as long as you can do so

The development of a Temple fund is Let power be adjusted to each of our very dear to my desire, and I have lives, that the divine plan may be

MARY C. WARD.

#### BOOK REVIEW.

THESE SPIRITUALISTS?

Having been out of print for the past year Dr. Peebles has just issued the 3rd edition of the above titled book, 133 pages on tinted paper, and a heavy, including those sympathizing with Spiritual truth and angel ministries. The fallen asleep, such as Prof. Hare, Judge Edmonds and Prof. Buchanan, but the vast majority of them are in the field as writers, authors, scientists, philosophers, beginning with Sir William Crookes, London, and ending with Prof. Hyslop of the Columbia University, N Y. Some quotations from the writings of these most eminent Spiritualists are given in this booklet, forever closing the lips of those who sneeringly ask: "Who are these Spiritualists ?

Price 35 cents. Postage 3 cents. For sale at the Sunflower office, Hamburg, N. Y.

#### THE GRASS FENCE.

Thrilling Incident of the Battle of Bunker Hill.

The battle of Bunker Hill gave the occasion for many deeds of valor, and since that day we hold a list of names illuminated in our memory. One of these names belongs to the Knight of Derryfield. Do you remember who he was, and can you recall the song of his bravery? Read of it once more and have impressed again on your heart the implicit obedience and perfect courage of the New Hampshire farmers and their captain, John Moor.

When the forty-five men of the little town of Derryfield, N. H., left their homes to fight for the great cause each knew that no men were ever led by a braver man than their beloved Captain Moor. His courage had inspired many of them in the French and Indian war So, eagerly, when the alarm came in 1795 they marched with him and his drummer boy son to Cambridge, where

And now comes the battle of Bunker Hill. Behind a fence, piled thick with grass, Captain Moor's company lay as still as death. An order had come from Colonel Stark that not a shot was to be fired until the British passed a stake that was driven a short distance away. With perfect confidence in themselves We -waited motionless while that beautito the fence breastworks. The very dent in shining arms and waving banners, advanced to meet a little group of men untrained in tactics of warfare. only half armed, clad in homespun, hiding behind a breastwork of grass.

The dead line was crossed. Bang! awake at last. Now, not the stake, but a line of fallen bodies marked the dead line. Thunder and lightning belched forth from that breastwork. A fire, intense, steady, killing, and the brave march of the Britishers was checked. A slight recoil, and the officers, dashing up, again urged the line forward. Not for one moment did the grass fence cease its voice of fire and shot. One by one the brave grenadiers and their dashing, gallant officers fell to the earth. The ranks broke and the proud host fled before the meager handful of New Hampshire men. Ah, if we could only have had grass breastworks and Captain John Moor all along the American line!-C. F. Harrison in Atlanta Constitution.

How to Make Opera Creams.

Put into two cups of granulated sugar enough milk to thoroughly dissolve it, adding to the milk a quarter teaspoonful of cream of tartar. Bring slowly to a boil, stirring steadily all turn the mixture into a greased pan and then knead as you would dough, turning it out on a pastry board sprinkled with powdered sugar. Roll into a sheet half an inch thick and cut into

# ship.

This age is not without abundance of material capable of developing power sufficient to convince the most skeptical mind of the reality of the life beyond the grave, but, like a vast electric plant, the slightest defect throws the whole system out of order.

We all know that when a message can be transmitted across the ocean even without wires, there must be supplied the necessary conditions-both positive and negative poles, and battery capable of generating energy sufficient handsome cover. It contains 324 names to make its vibrations felt from one end of the world's distinguished Spiritualists, of the line of communication to the

We also are aware that a master bodies of some of those named have mind may have the desire, as well as the ability, to render a soul-stirring piece of music, but without the instrument capable of responding to his delicate touch it would be impossible to produce tones dependent upon a practical shortening and lengthening of strings to increase or diminish vibrations essential to the production of sound.

Now, it is in this same manner that practical conditions must be forthcoming, if we hope to establish communications with our spirit friends, or act as instruments attuned to the higher vibrations of spirit thought.

Each and every one of us are batteries, and there is no battery so complete and effective as is the human brain, nor can the hand of man construct an instrument with such possibilities as ours.

What, then, can be the matter with us? Simply, we need tuning up. An instrument not tuned cannot produce the vibrations essential to good music.

Some, through birth conditions, furnish the requirements for manifestations of a physical nature, while most of us have to undergo a long course of magnetic treatment by spirit power ere we can respond to minor impressions leading up to such manifestations. And in this connection it is well to state here, that no phenomena can ever be produced without faithful obedience, on our part, to all necessary requirements.

For developing, the greatest care should be exercised that the conditions of the first sitting be repeated, withoutbreak, in all subsequent sittings. Select a quiet and preferably small room. Be sure that the hours selected for sitting are always the same—say from 7 to 7:30, Tuesdays and Thursdays. This gives a half-hour for each sitting of two weekly and cannot be improved upon. Do not add to or take from that assumed at first sitting. Be always prompt and exact in your repetitions of engagements, for the spirit detailed to act as your guide and to prepare you for the work you may seem best fitted for, shall always be awaiting your arrival at the appointed hour.

Let the room chosen be perfectly dark, for reasons similar to those required for photographic developments, and in order that you may, in due time, see phenomena not visible to the natural eye in the presence of strong or artificial lights which blanket weaker ones as the sun would the moon.

Be modest in your dress, sit perfectly natural in your chair, and always use the same one. Do not cross your feet while sitting, but plant both firmly upon the floor. Let your hands rest, palms down, upon your knees, and, above all, preserve a calm condition of mind, free from worldly thoughts, and ever ready to respond to higher impressions.

Remember that, in these sittings, a circuit is being established, of which you are, at best, but a negative pole. Do not, then, bring with you on any occasion, a positive condition, for though a positive pole can be so magnetized as to become negative, or vice versa, in this instance, the spirits furnish the positive currents, for they certainly know, better than you or I can tell them, the laws governing effects which it is the purpose of these sittings to produce.

It is not possible for the dense media of which we here in the flesh are composed to emit vibrations attuned to that her rounds of visits. Much pleased, spirits to diminish the frequency of the waves of their natural condition, or to so magnetize us as to increase the number of our fleshly oscillations, and thereby tune them to their vibrations.

The writer announces the formation of an international developing circle, which will be the largest and most powerful in existence. Those desiring to price," are requested to sit promptly at the same hours as aforesaid-7 to 7:30, Tuesdays and Thursdays.

It is hoped that the formation of this ments with which the spirits may have able to find it!"-Harper's.

board of officers will give their special immortality, great, then, will be your activity to its enterprise. How to Develop Medium- at their disposal ample material for carrying on the work of reformation throughout the wold.

Persevere in your efforts for good, and if your purpose is pure, and not a selfish one, you will certainly meet suc-

Of the things to be avoided as detrimental to development I would mention. as being in the front rank, a concentration of one's thoughts upon self. Allow your soul a little relaxation, away from personal considerations. There is nothing so racking to the nervous system and retarding to soul growth as that condition where one cannot escape from self. The standard of worth is a measurement commensurate with the capacity to radiate from narrow limitations to the utmost boundaries of the soul's field of usefulness.

To be able to emit rays capable of warming the chilled hearts of a suffering people necessitates that we study and obey the laws governing our own health of mind and body, and eschew anything and everything tending to lower our moral as well as physical stamina.

A subject sitting for development does much towards success by keeping both body and mind in a high state of vigor. Anything that weakens or lowers the pressure of vital currents also detracts from the chances of success as a medium of spirit energy and thought.

The second, or intellectual, aspect of mediumship comes very natural to those highly developed in this direction and adapted as instruments in the hands of intellectual giants. But here again we cannot reach and snatch the fruits of such talent without first having done our part towards its development.

"There is no royal road to learning," and certainly none to mediumship. Years may be required, in some cases, to develop ordinary powers, but to him or her whose motives are the best all things are possible.

The third, and by far the most important, phase of mediumship, is to be found in that high, moral standard of spiritual excellence, which is, beyond a doubt, the gift of gifts, and rarest of the rare.

It is not a difficult matter these days to find a media capable of developing astonishing power for manifestations of a physical nature, nor is it much more difficult to find a medium of an intellectual type for the effusion of sorely-needed knowledge. But to find a man or woman willing to ignore self for the sake of others is, indeed, the accident of life.

We love our little pet flags better than any other, and are not without our social, religious, and domestic hobbies, but these things have no place in universal love.

Our souls are cramped within us and have no room for expansion.

We know not liberty. We use the term but its significance has never once dawned upon our intellects.

We are veritable prisoners, held within the confines of our mental limitations and animal proclivities.

Do we really seek mediumship for other than selfish motives? If so, are we willing to give the cause of our spirit friends the proper place in our hearts?

Let us ask ourselves these questions, and, if prepared to co-operate in the work of uplifting our fellowman, let us show it in our every-day life, and not miss an opportunity to emit rays of light and comfort where we can benefit others, remembering that every act and thought serve as atoms in the building up of character in others, as well as ourselves.

May the spirit of love help us to grow, that we may send out the fragrance of true ripeness to the nourishment and advancement of all m inkind.

FRED DUGGAN. Manchester, England, October 30, 1907.

A Philanthropist.

An earnest east side worker says that not long ago she was approached by an old gentleman who has the reputation of being something of a philauthropist with the request that he be permitted to accompany her on one of of a spirit state, hence, it lies with the the worker consented. The destitute condition in which many families were found elicited expressions of deep sympathy from the old gentleman, but to his companion's surprise and regret nothing more material. Presently they came upon a small girl weeping bitterly.

"What is it, my dear?" the old gen-

tleman inquired. The child raised a tear stained face join it, "without money and without and pointed into a dark alleyway. "Me mudder sent me to buy some bread. an' I lost my dime in there, an' I'll git

licked awful!" she sobbed. "Poor dear?" he remarked in a tender circle will connect the two continents, hand into his vest pocket. "Don't cry. voice, at the same time putting his and be the means of developing instru-

Mrs. Lazell and Mrs. Dalrymple

Lynn Nutting has secured a position

in Dunkirk. Miss Mary Sherman returned from

Cambridge November 6th. Mr. and Mrs. Richards have gone to Wellsville for the winter.

Dr. Lafayette Todd of Dunkirk is taking a week's vacation here with

his parents. Wilkinson, returned from Laona No- Hyde.

vember 2nd. sister, Mrs. Raymond.

Mrs. Mary Todd visited Mrs. a week or two. Martha Tolles at Fredonia recently, returning November 2nd.

land, O., November 4th.

Mrs. 1. R. Raymond and son are kirk. They left the 6th.

here since early in August, left No- not yet out of danger. vember 7th for her home in Buffalo.

to Yates Center, Kan., by the illness his music. of her husband. She left November

Mrs. Martha Conklin of Little Val-Carpenter.

Mr. and Mrs. A. M. Baker and Mrs. Helen Sage left the 5th for Lake Helen, Fla., where they will spend

Mrs. Atcheson, a noted psychic of Knothe. Her dauhgter, who has been Frantz Beebe. very ill, is recovering.

Mrs. Lucinda Morton, of Gerry, came the 4th inst., to be treated by Dr. Hyde for cancer. She is stopping with Mrs. Emma Horton.

left for Atlantic City a few days ago. had been ill with pneumonia since Mich.

Aunt Polly Horton, aged 85, who was quite ill a while ago, is again briskly

weeks with the exceptions of two or cestry. He attended Williston Semithree days.

week in Buffalo, arranging for violin George N. Briggs, in Pittsfield. repair work.

Rochester, N. Y.

week from the grape fields to enter school for the winter.

Mrs. Binney, Harry Champlin of Dunkirk, and Mrs. James Champlin of Fredonia were recent visitors.

few days before returning.

from the grape fields. She will leave be the result of fraudulent practices,

in a few days, for the winter.

winter with Dr. Duke's family. Mrs. Bessie Bardsley left last week for Harrisburg, enroute for a visit

with her mother at Mechanicsburg, Pa. for Cleveland, where she expects to received the nomination for Surrogate

Lawton, returned October 31st, from a nent, and served his full term. Upon the illustration shows. week spent in Friendship and Sinclair- its expiration he resumed practice as ville.

Mrs. Z. P. Gates and family, who office. went to Buffalo recently, intending to stay through the winter, returned here the author of numerous essays, several the 3d inst.

Mr. and Mrs. A. Normann left November 2d for a short visit in Warren, Pa., enroute for Lake Helen, Fla., for the winter.

Mrs. Sarah Wilder has been the guest for three weeks of her sister, Mrs. Carrie Shaw. She returned to her home the 29th ult.

Mrs. Mina Seymour returned the 28th are governed by absolute laws. from a lengthy visit at Fredonia. She for the fall and winter.

Fairchild, left November 2d for a visit during the World's Fair he read a dication an' nateral inventiveness .with friends in Warren, Pa., before re- voluminous paper in regard to the Chicago News.

N. Y.

last week with his son's wife at Fre-

Miss May Huntington was called to Randolph November 2d by the death of an uncle. She will remain two or three weeks with relatives there.

Alfred Winchester has secured employment in the shovel factory at Fredonia, and he and Mrs. Winchester ex-

Arcade last week, accompanied by a all of us love so well. Our indigent paper and allow all the moisture to grand-daughter, Miss Grace Jackson, mediums must not be permitted to suf-Mrs. Cooper and daughter, Mrs. who has begun guitar lessons with Mrs. fer. The noble-hearted donor, Broth-

Mr. and Mrs. William Harper of from a three weeks' visit among ent pensioners, but the fund is now so Simcoe, Canada, are guests of their friends in Ashtabula and Madison, O. Mrs. Hutchinson will not return yet for

T. J. Murphy, of Buffalo, was here last week to secure passengers over Mr. and Mrs. Jacob Wright and his line, the Pennsylvania R. R., to daughter, Mrs. Bigden, left for Cleve- Lake Helen, Fla. Several here purchased tickets of him.

visiting friends in Fredonia and Dun- has been very ill with appendicitis, is the last Sunday of November. reported by her physician, Dr. Hender-Mrs. V. A. Dambach, who has been son, to be slowly recovering, though that day a memorable one for the however, the writing will turn brown

Master Harold Maxham, in his eighth response. Mr. and Mrs. George Gamp returned year only, has beaten the record among recently from a two-weeks' visit at small boys, by engaging piano lessons, to make Sunday, November 24, 1907, Ellicottville, N. Y., and Bradford, Pa. and paying for them with his own earn- a day of gratitude to the spirits and Mrs. Lena Keller was called home ings. He is making fine progress in their mediums for help and comfort to

Joshua Ramsdell, who owns the fine farm and residence near the lower lake, the N. S. A. should be encouraged in left some weeks ago for Chicago, their earnest efforts that they shall ley came recently for several weeks' where he went into business with his make for the cause of Spiritualism, visit with her sister, Miss Celia brother, Ildo, who is technical superin- then respond to this needed call, and tendent of a large engraving establish- show that you are willing to join passengers, and invariably he is called ment there. Later he was followed hands in creating a new era for our upon on Sunday to conduct religious by his son, Leon, who has secured a po- mutual cause. sition in the same establishment. Now the rest of the family are preparing to A. office, 600 Pennsylvania avenue, S. move to Chicago. The farm and stock E., Washington, D. C. will be left in charge of Mrs. Ramsdell's Buffalo, was a recent guest of Mrs. mother and uncle, Mrs. Walters and

#### OBITUARY.

ABRAM HOAGLAND DAILEY.

Ex-Judge Abram H. Dailey died last week at his home, No. 675 St. Allen Campbell and Charles Shourds Mark's avenue, Brooklyn, where he 723 Prospect Ave. Mrs. M. E. Lane. Mrs. Alice Greene left here October Tuesday. Until yesterday strong 28th for her home in Grand Rapids, hopes were held out that the judge would recover.

in Sheffield, Mass., on October 21, 1831. He was the son of William and Eliza Dailey, of that place, and was Fine weather here for the past three of English, Irish and German annary, and upon graduation studied 330 Melwood St., PITTSBURG, PA. Otis Maxham spent several days last law in the office of former Governor

Admitted to the bar at Lenox in Mrs. M. E. Crampton and her guest, 1855, he opened an office in Great The Apparatus Can Easily Be Made by Mrs. Dr. Orr, left the 29th ult. for Barrington, but three years later removed to Brooklyn, where he there-Miss Reba Smith came home last after made his home and continued boxes and provide yourself with four the practice of his profession. In 1863 he was elected justice of the 4th District Court of Brooklyn, but served other two boxes are closed and a piece less than four years, resigning in as large as one of the sides taken out order to devote himself to his private of the first box is cut out of the top practice, in which he achieved note-Miss Abby Olmstead came from Erie, worthy success. In 1871 he received Pa., the 29th inst. She will remain a the Republican nomination for District Attorney of Kings County, but failed Mrs. Jennie Coan returned the 2d of election. Believing his defeat to made possible by the defective election Mrs. Nettie Bowers left last week for laws of that time, Judge Dailey Fredonia, where she will spend the assisted in framing legislation providing for a system of registration and other safeguards, which was enacted by the State Legislature the following winter and served as a model for the laws on that subject adopted by nearly Mrs. D. W. Henderson left last week all the states of the Union. He spend the winter with her son, Wal- in 1875, and was again declared defeated; but he successfully contested Dr. Hyde, wife and sister, Mrs. in the courts the election of his oppoan advocate, and held no other elective tube, F E D C formed by the three

A man of literary tastes, he was books and a few poems. Most of these were related in one way or another to the subject of Spiritualism, in which Judge Dailey was a firm believer and of which he was a prominent propagandist. He did not, however, believe in what is usually called the "supernatural," but contended that man is related to both the physical and spiritual worlds, and that both

One of his volumes dealt with Hypis organizing a series of card parties notism: Its Relation to Medico-Legal Jurisprudence. As a member of the Mrs. F. Bridell and daughter, Mrs. psychical congress held at Chicago depends on who's tellin' it an' his ed-

turning to their home at Waverly, psychical features of the case of Motlie Fancher, and later wrote a H. P. Woodcock spent a few days of book on her life and experiences. He How Letters May Be Made Safe From was a member and former president of the Medico-Legal Society of New York and a member and trustee of the us occasions sometimes arise when we Writers' Club of Brooklyn.

#### PENSION FUND GRATITUDE DAY.

I am glad that my first official appeal or communication to the Spiritualists of the United States is in the pect to remain there during the winter. interest of the Pension fund, that is Mr. and Mrs. Jackson returned from of such great importance to the cause er Mayer, has given them a perpetual L. C. Hutchinson returned recently help that will partly sustain the presexhausted that there will soon be an impossibility to help these needy ones wrote. It will show up like the waterin a material manner, unless there is mark on a postage stamp. This methan immediate increase of donations. od, by the way, is sometimes adopted To that end the board of trustees has instructed me to make a call to all cans instead of glass and a sharp piece auxiliary societies of the N. S. A., of wood for a pencil. and all other societies of Spiritualists, and persons, to take a public collection Miss Alta (not Reba) Woodcock, who and solicit personal contributions on

humanity.

If you feel that the new officers of

Make all remittances to the N. S.

Fraternally,

GEORGE W. KATES,

#### SPIRITUALISTS

Visiting Buffalo, N. Y., will find a Pleasant Home Accommodation at

THE SPIRITUAL RETREAT.

the been ill with pneumonia since diesday. Until yesterday strong opes were held out that the judge ould recover.

Abram Hoagland Dailey was born

THE EDEN SOCIETY promotes Brother-hood, Benevolence, Social Progress, Co-operative Industry, and settles the inequalities of the Human Family. Send 10c for Prospectus and copy of Official Organ. Address: The EDEN SOCIETY, (Dept. 2) Baxter Springs, Kansas.

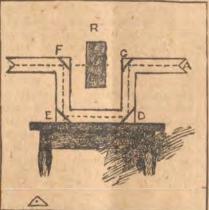
Trumpet and Trance Medium.

All Readings Given in the Light.

### TO SEE THROUGH A BRICK.

Any Ingenious Boy.

Take three small, square, flat paper placed on the table, the cover closed and two sides or ends cut out.



THE APPARATUS COMPLETE. and bottom of two opposite ends. Then the three boxes are fitted together, as

In each corner of the rectangular boxes, a piece of mirror is fastened at an angle of forty-five degrees. To make it more effective the two outside boxes can have kneelike extensions made of cardboard and pasted on the two openings. R indicates the brick. When a flower or any other object is placed on the other end of the rectangular tube (A) it will reflect upon C, from C upon D, from D upon E and from here upon F. In this last piece of mirror it will appear to the eye of the person looking into the opening to the left as if he had seen the object in a direct line.

Fish Stories.

Mr. Townguy-How long does a fish grow in a year? The Guide-Waal, it

#### SECRET WRITING.

Prying Eyes.

Even with the most unromantic of should like to make some memorandum or write some letter which cannot be read except by those we wish to do to. Here is a simple method:

Soak a sheet of note paper in cold water and lay it perfectly flat upon a pane of glass. Place above it another sheet, dry this time, and on the upper sheet write your message with a fairly hard pencil. You now destroy the dry avaporate from the wet plece. Don't hold it to the fire, but let it dry naturally. If you then examine it closely you will see not the faintest trace of writing, but if you moisten the paper once more and hold it up to the light you can read quite plainly all you by convicts. They use their gruel

Another way is less dirty and even more effective. Lay several sheets of paper on a flat surface and write upon the top one. Then remove the bottom sheet, on which no impression appears. Each society and person can make If you hold this in the vapor of iodine, cause of Spiritualism by a generous and be quite legible. The explanation ls plain. The note paper contains Please remember that it is desired starch, which on being pressed turns to hydramide, a substance which is acted on by lodine in the manner de-

#### THE PURSER'S JOKE.

Why Religious Services Were Not Held on That Trip.

On most of the big ocean steamers a minister is usually found among the service in the main dining saloon. Occasionally the man of the cloth seeks the purser and asks if he may conduct a service on the Sabbath. A case of this sort happened recently on one of the Red D steamers on the run from New York to La Guayra. A young Secretary. minister who three days before the steamer sailed had taken orders from a seminary, and a day later a wife asked the purser if he might conduct religious service on the following day, which was Sunday. The purser replied that the dining saloon was at his disposal and that the passengers would be informed. "At what hour shall the service begin?" asked the young minister. The purser rubbed his brow a moment and replied that he could begin at "nine bells." minister and his bride appeared in the dining saloon at 9 o'clock in the morn-MRS. L. EVELYN BARR ing and waited four hours for the congregation, which did not come. On the following day he listened again for "nine bells," but heard them not .- New York Tribune.

She Said the Wrong Thing.

"I shall never forget the breakfast I gave to a pretty girl when I first knew her," the short man began. "It would make your mouth water to hear what it was-grape fruit to begin with, the most delicate of breakfast food with cream, a choice broiled chicken-it was a late breakfast-the finest of fruit, coffee. I can't remember the things I ordered for her at that breakfast, and what do you think she said when she finished? She said: "You needn't have gone to so much trouble. I don't care for anything but a couple of eggs for my breakfast and a piece of toast."

"It was the wrong thing to say, I will admit," sighed his wife. "I was that girl, and I have been living ever since on a couple of eggs for my breakfast and a piece of toast."-New York Press.

Sheathing a Ship.

Sheathing a ship is covering the bottom with a sheath of copper. In all seas, but particularly in those of the tropics, the hulls of ships are liable to the attack of certain worms which penetrate the hardest wood and have been known in the course of a few months to damage the hull so as to render the vessel worthless. Copper sheathing protects the ship not only against the attacks of these borers. but also against decay, and is especially valuable in the case of iron ships, the metal rapidly oxidizing and becoming brittle when exposed to the action of the sea water.

Fortunate.

"I thought," said the author as he took back the manuscript, "that the story would just about do for you."

"Yes," rejoined the editor, "that's just about what it would do if we printed it, but fortunately I happened to read it myself, so I am returning it to you for fear of accidents. People are so careless."-Judy.

Starting Him In Business.

Bride's Father (to his prospective son-in-law, a young lawyer)-I am not going to give my daughter a cash dowry, but I have some doubtful claims for \$10,000 that I will make over to you, and you can sue on them.

#### COOKING FOR THE SICK.

How the Professional Nurse Prepares

Food For Her Patients. Since sickness has a way of creeping into most families and since one never can tell when she may be forced from an ordinary diet down to beef tea and mutton broth, says the Boston Herald, it might not come amiss to know how such weak and watery food may be made in the best way possible, or, in other words, as the professional nurse

One point about beef tea is that it will curdle if too hot, and another is that it usually proves more attractive when served in a colored glass.

There are several ways of making it, all of which the professional nurse approves. One good method is to take a piece of round steak one inch in thickness and boil it for seven minutes. Then squeeze the meat in a lemon squeezer into a cup. Season the tea and serve at once.

Another method is to cut one pound of juicy round steak, free from fat, into small pieces, then put to soak in a cup of cold water for several hours. Squeeze the juice from the meat and strain it. This must be heated by setting the cup containing it into a pan of hot water. Season with a little salt and serve as soon as warm. Beef tea need not be warm, however, for when frozen, like ice cream, it makes another sickroom dish.

For chicken broth, remove the skin and fat from a young fowl and cut it into small pieces. Put it into a stewpan with one quart of cold water and heat it slowly for three or four hours. Then season the broth with salt and strain. When the patient is not too ill to have tapioca, sago or rice, add a tablespoonful of either after the soup has boiled for one hour.

How to Roast a Christmas Pig.

When roasting a pig for the Christmas dinner select one if possible that is not more than a month old and well filled out for his age. Put him in a big pan of cold water and wash thoroughly, taking care that his eye sockets, ears and throat are perfectly clean, says the Kansas City Times. Rinse and wipe dry. Make a stuffing as for a turkey. Rub over the inside salt, pepper and a suspicion of sage. Press in the stuffing, which must, by all means, have a small onion chopped in it, and then draw the skin together with a long needle and coarse thread. Roll the legs in oiled paper. Bend the fore feet under the body and press the hind feet backward, skewering all in place. Put the pig in a dripping pan, rub the skin with olive oil or butter, sprinkle with salt and dredge with flour. Put a piece of hard wood between his teeth to keep his mouth open, and set the pan in a good hot oven. Baste frequently with a little olive oil and then with the drippings. After the pig begins to brown cover each ear with a piece of waxed paper. Allow half an hour to each pound in baking. When almost done, take off the wrappings from ears and feet to let them crisp. When done take out carefully and lay on a bed of cress or white celery leaves on a large platter. Take out the skewers, remove the wood from the mouth and insert a small red apple or ear of corn. Hang a necklace of strung cranberries or parsley about his neck and send to the Always serve tart apple sauc with roast pork or goose, as such rich meat needs an acid sauce to make the fat more digestible.

How to Take Care of the Skin. There really is no necessity for one letting blackheads appear on the face, enlarged pores or not, if the face is kept clean. That requires monthly steaming and massage and careful bathing every night. Blackheads are nothing more than an animal life that has been engendered by dirt. If they once get a hold on the skin, strenuous efforts must be made to remove them. Squeeze out the little seed with the finger tips after having given the face a massage with cold cream, which will make the task of removing the acne a simple one. Next bathe the sac with hydrozone to prevent any possible sore-If this fails to remove them, a more radical cure is to apply every night a lotion made of two ounces of brandy, one ounce of cologne and onehalf ounce of liquor of potassium. This usually has a most satisfactory result.

How to Clean Window Shades. We have all heard the story of the woman who told the new maid to wash the curtains, meaning the lace ones, and came into the kitchen just in time todiscover the newest window shades melting in the boiler. But we do not all know that when shades are merely dust soiled the surface can be freshened by the application of hot cornmeal. The shade should first be spread out flat on a large table and the meal rubbed in with a circular motion of the palm. Then if rubbed gently with a soft, dry cloth the meal and the dust It has absorbed will be removed without leaving any trace of either.

Another Thing. "I hear Starleigh took a new play out for a run. Did he strike it?" "No; he beat it."-Boston Herald.

### Crookes on Psychical Research.

(Continued from page 1.)

head and brain. With increase of highly probable that a large increase applies to my present surmises. This You must permit me, then, an homun-exaggerated; for he will discern a earth between fingers and thumb, spend a large portion of their time in own center of force. † of the earth's attraction.

we should be able to lift heavier problem. skeleton, smaller muscles, and slender- forces as opposed to molar, but of that by adroit manipulation he insuperable. In this branch of physical eliminate? er trunk. These modifications, in a forces whose action is mainly outside contrives to fill it with water. If he investigation little can be done unless direction of grace, slenderness, sym- parent laws of the universe which amuses himself by throwing stones and nite certain kinds of matter by friction, a larger scale than ourselves: metry, and tall figures.

are of the type that would be produced can. I shall not attempt to rival the tely refuse to go to the bottom, but performed upon a considerable mass of arch fiend himself is represented as \_ could be assumed by a thinking brain branch of knowledge like the present we can and its necessary machinery were the hardly help it, then the safest course appears to power of gravitation to be increased to be to assume as little as possible, and in that rethe highest point compatible with a great advantage over the more usual notion. existence—a serpent crawling along His atoms are mere centers of forces or powers, the ground. On the other hand, our not particles of matter in which the powers themhighest type of beauty are those which selves reside. would be common under decreased

gravitation.

tall," and the leaping athlete, please mere mathematical point, while in the usual notion us by the slight triumph over the earthward pull which their stature or around it. spring implies. It is true we do not correspondingly admire the flea, whose ishes, and the substance consists of the powers, or triumph over gravitation, unaided by nucleus independent of its powers? All our peris the flea, its body, like ours, is fancy, is limited to ideas of its powers. What strictly conditioned by gravitation.

But popular imagination presupposes spiritual beings to be utterly independent of gravitation originally deter- sider it difficult to think of the powers of matter mined, and only gravitation seems

likely to maintain. not to appear in recognizable form; so for which there is no philosophical necessity: that their appearance would take the ence. It is difficult to conceive the ton center. idea of a spiritual being having a body matter would seem to involve necessarily the conlike ours, conditioned by the exact clusion that matter fills all space. gravitating force exerted by the earth, that view matter is not merely mutually per removal of waste products. It is the matter," Phil. Mag., 1844, Vol. XXIV. p. 136.) equally difficult, hemmed in and bound +I may say, in passing, that the modern vortex mathematically worked out are left intentionally

the human race, under the altered matter, Faraday\* expressed himself in whom later I shall cite a most striking tures in rising from the earth, except enormous beings and ourselves. circumstances, remained bipedal, it is language which, mutatis mutandis, parable of precisely the type I seek. with wings, will soon seem absurdly If we stoop and take up a pinch of in the quadruped, hexapod, or octopod earnest philosopher was speculating on culus on whom to hang my specula- terrific creature, a behemoth "in moving those members, say, through structure would prevail in the animal the ultimate nature of matter; and, tion.\* I cannot place him actually plated mail," leaping through the the space of a few inches in a second very short legs allowing the trunk to or forms of energy appertaining to it, ment; but I shall make him of such rendered to the majesty of the common resistance, more or less, according to rest easily on the ground, and the he felt himself impelled to reject the microscopic size that molecular forces flea. serpent type would probably be in idea of existence of the nucleus alto- which in common life we hardly notice Perturbed by doubts, he will gaze other perceptible reaction follows.

human form, it is allowable to think and memory. Whether these intelligent he approaches and touches one of its in aggregations of matter of more a little roughly handled. that, under these different conditions, centers of the various spiritual forces orbs. It resists pressure like an than the smallest microscopic dimenman would still consider woman- which in their aggregate go to make india-rubber ball, until accidentally he sions. though stunted, thick limbed, flat- up man's character or karma are also fractures the surface, when suddenly Things still more tormentingly per- reasonable-variation in only one of footed, with enormous jaws underlying associated in any way with the forms he feels himself seized and whirled plexing our homunculus would doubt- the forces conditioning the human a diminutive skull—as the highest type of energy which, centered, form the and brought somewhere to an equilib- less encounter. And these changes in race, that of gravitation, could so material atom-whether these spirit- rium where he remains suspended in his interpretation of phenomena would modify our outward form, appearance, Decreased attraction of earth might ual entities are material, not in the the surface of the sphere utterly un- arise not from his becoming aware of and proportions as to make us to all be attended with another set of crude, gross sense of Lucretius, but able to extricate himself. In the any forces hitherto overlooked, still intents and purposes a different race changes scarcely less remarkable. material as sublimated through the course of an hour or two he finds the less from the disappearance of laws now of beings; if mere differences of size With the same expenditure of vital piercing intellect of Faraday-is one globe diminishing, and ultimately it recognized, but simply from the fact can cause some of the most simple energy as at present, and with the same of those mysteries which to us mortals disapperars, leaving him at liberty to that his supposed decrease in bodily facts in chemistry and physics to take quantity of transformation of matter, will perhaps ever remain an unsolved pursue his travels. Quitting the size brings capillarity, surface tension, so widely different a guise; if beings

perhaps the ultimate form which ""If we must assume at all, as indeed in a wire, and a steel pen, objects two or reached.

"If in the ordinary view of atoms we call the particles of matter away from the powers a, and the system of powers or forces in and around it m. The "daughter of the gods, divinely then in Boscovich's theory a disappears, or is a it is a little unchangeable, impenetrable piece of matter, and m is an atmosphere of force grouped

'To my mind, therefore, the a or nucleus vanm; and indeed, what notion can we form of the wings, is so striking. Marvelous as ception and knowledge of the atom, and even our thought remains on which to hang the imagination of an a independent of the acknowledged

A mind just entering on the subject may conindependent of a separate something to be called the matter;' but it is certainly far more difficult, and indeed impossible, to think of or imagine that When and if spiritual beings make matter independent of the powers. Now, the themselves visible either to our bodily powers we know and recognize in every phenomeyes or to our inward vision, their enon of the creation, the abstract matter in none; object would be thwarted were they why, then, assume the existence of that of which we are ignorant, which we can not conceive, and

"If an atom be conceived to be a center of powwhich we have been accustomed, term 'shape' would be now referred to the dispo-Materiality, form, and space, I am Nothing can be supposed of the disposition of sition and relative intensity of the forces. constrained to believe, are tem- forces in and about a solid nucleus of matter matter. porary conditions of our present exist- which can not be equally conceived with respect

and with organs which presuppose the trable, but each atom extends, so to say, throughneed for food and necessity for the author of the solar system, yet always relaining its own center of force." (Faraday, "On

round as we are by materialistic ideas atom also fulfills these conditions.

Men of science before now have shall take courage from the example never tell where they are coming, impediment. let him start for himself.

expect a set of structural changes of called a material world, although mat- absolutely certain. Let us now sup- ent and possibly antagonistic force. would follow upon a mere difference other objects into the water. As a percussion, concentrating the sun's three times the density of the stones, Nay, if he and his friends manage to at all possible for them. and floats tranquilly. After these and just seen, minimized beings would be a few more observations he theorizes unable to produce fire at will, except ulate generally refuse to sink in book. liquids, whether their specific gravity

The view now stated of the constitution of zled by the constant and capricious ion and the cohesion of liquids, surface and images directly from one mind to

"I need hardly say that in this fanciful sketch,

Nor could it be otherwise with the refuse to sink at all, and float on the chemistry of the little people, if, insurface like so many bits of cork. deed, such a science be conceived as

throw into the water one of those It can scarcely be denied that the enormous steel bars which we call fundamental phenomena which first led needles, this also makes a sort of con- mankind into chemical inquiries are cave trough for itself on the surface those of combustion. But, as we have on the properties of water and of by certain chemical reactions, and liquids in general. Will he come to the would have little opportunity of conclusion that liquids seek their own examining its nature. They might level, that their surfaces when at rest occasionally witness forest fires, volare horizontal, and that solids when canic eruptions, etc.; but such grand placed in a liquid sink or float accord- and catastrophic phenomena, though ing to their higher or lower specific serving to reveal to our supposed Lilligravity? No; he will feel justified in putians the existence of combustion, inferring that liquids at rest assume would be ill suited for quiet investigaspherical, or at least curvilinear tion into its conditions and products. forms, whether convex or concave, Moreover, considering the impossibility depending upon circumstances not they would experience of pouring water easily ascertained, that they can not from one test tube to another, the be poured from one vessel to another ordinary operations of analytical and resist the force of gravitation, chemistry and of all manipulations and that such bodies as he can manip- trough would remain forever a sealed

Let us for a moment go to the opbe high or low. From the behavior of posite extreme and consider how Nature shape of the body and clothing to er, that which is ordinarily referred to under the a body placed in contact with a dew- would present itself to human beings general conception of the impossibility drop he will even derive plausible of enormous magnitute. Their dif- of predicting what secrets the universe reasons for doubting the inertia of ficulties and misconstructions would be may still hold, what agencies undivined of an opposite nature to those exper- may habitually be at work around us. Already he has been somewhat puz- ienced by pigmies. Capillary attractbombardment of cumbrous objects like tension, and the curvature of liquid another without the agency of the surfaces near their boundary, the dew- recognized organs of sense, is a condrop and the behavior of minute bodies ception new and strange to science. \*I need hardly say that in this fanciful sketch, composed only for an illustrative purpose, all on a globule of water, the flotation of To judge from the comparative slowness kinds of problems (as of the homunculus' own metals on the surface of water, and with which the accumulated evidence structure and powers) are left untouched, and many other familiar phenomena, would of our society penetrates the scientific

to think of intelligence, thought, and less considerable, deduced in Gul- portmanteaus flying in the air; for the a small momentum would find all obwill existing without form or matter liver's Travels the absurdity, and the gay motes that people the sunbeams jects much harder than they appear to and untrammeled by gravitation or mere relativity, of so much in human will dance somewhat unpleasantly for us, while to a race of colossals granmorals, politics, society. But I a microscopic homunculus who can ite rocks would be but a feeble

gravitation the bipedal form would be had to face a similar problem. In of my predecessor in this chair, Prof. Nay, what he has understood to be the There would be another most beset by drawbacks. Assuming that some speculations on the nature of William James, of Harvard, from difficulty experienced by living crea- remarkable difference between such

kingdom. The majority of animals thinking of the little, hard impenetra- amid the interplay of molecules, for skies in frenzied search for prey, and of time, we experience nothing would be of the saurian class, with ble atom of Lucretius, and the forces lack of power to imagine his environ- for the first time due homage will be remarkable. The earth offers a little its greater or less tenacity, but no

the ascendant. Winged creatures gether, and to think only of the forces -such as surface tension, capillarity, at night into some absolutely tranquil Let us suppose the same action perwould suffer severely, and small birds and forms of energy usually associated the Brownian movements-become for pool. There, with no wind to ruffle, formed by a gigantic being, able to and insects would be dragged to earth therewith. He was led to the conclu- him so conspicuous and dominant that nor access of heat to cause currents or move finger and thumb in a second's by a force hard to resist; although sion that this view necessarily involv- he can hardly believe, let us say, in change surface tension, he perceives space through some miles of soil in this might be more or less compen- ed the surmise that the atoms are not the universality of gravitation, which small inanimate objects immersed and the same lapse of time, and he would sated by the increased density of the merely mutually penetrable, but that we may suppose to have been revealed still. But are they still? No. One experience a very decided reaction. air. Humming birds, dragon flies, each atom, so to say, extends through- to him by ourselves, his creators. Let of them moves; another is moving. The mass of sand, earth, stones, and butterflies, and bees, all of which out all space, yet always retaining its us place him on a cabbage leaf and Gradually it is borne in upon him that the like, hurled together in such quanwhenever any object is small enough tities and at such speed, would become the air, would, in the struggle for A view of the constitution of mat- The area of the cabbage leaf it is always in motion. Perhaps our intensely hot. Just as the homunexistence, be rare visitants. Hence ter which recommended itslf to Fara- appears to him as a boundless plain homunculus might be better able than culus would fail to bring about ignithe fertilization of flowers by the in- day as preferable to the one ordinarily many square miles in extent. To we are to explain these so-called tion when he desired, so the colossus tervention of insects must be thwarted held appears to me to be exactly the this minimized creature the leaf is Brownian movements; or the guess could scarcely move without causing and this would lead to the extinction, view I endeavor to picture as the con- studded with huge glittering trans- might be forced upon him that he who the liberation of a highly inconvenient or at all events to a scarcity, of ent- stitution of spiritual beings. Centers parent globes, resting motionless on sees this sight is getting dim glimpses degree of heat, literally making everyomophilous plants, i. e., all of those of intellect, will, energy, and power, the surface of the leaf, each globe of the ultimate structure of matter, thing too hot to hold. He would with the showiest blossoms—a gloomy each mutually penetrable, while at the vastly exceeding in height the tower- and that these movements are residual, naturally ascribe to granite rocks and result to follow from a mere increase same time permeating what we call ing pyramids. Each of these spheres the result of the inward molecular the other constituents of the earth's space, but each center retaining its appears to emit from one of its sides turmoil which has not canceled itself surface such properties as we attribute But having known no other type of own individuality, persistence of self, a dazzling light. Urged by curiosity out into nullity, as it must needs do to phosphorus-of combustion on being

Need I do more than point the obvious lesson? If a possible-nay, cabbage leaf, he strays over the sur- etc., into a relative prominence they microscopically small and prodigiously weights, to take longer bounds, to My next speculation is more difficult, face of the soil, finding it exceedingly do not now possess. To full-grown large would simply as such be subject move with greater swiftness, and to and is addressed to those who not only rocky and mountainous, until he sees rational beings the effects of these to the hallucinations I have pointed undergo prolonged muscular exertion take too terrestrial a view, but who before him a broad surface akin to the forces rank among residual phenomena, out, and to others I might enlarge upwith less fatigue-possibly fly. Hence deny the plausibility-nay, the pos- kind of matter which formed the which attract attention only when on, is it not possible that we, in turn, the transformation of matter required sibility-of the existence of an unseen globes on the cabbage leaf. Instead science has made a certain progress, though occupying, as it seems to us, to keep up animal heat and to restore world at all. I reply we are demon- however, of rising upward from its To homunculi such as we have the golden mean, may also by the the waste of energy and tissue would strably standing on the brink, at any support, it now slopes downward in a imagined the same effects would be of mere virtue of our size and weight be smaller for the same amount of rate, of an unseen world. I do not vast curve from the brink, and ulti- capital importance, and would be fall into misinterpretations of phenomduty done. A less volume of blood, here speak of a spiritual or immaterial mately becomes apparently level, rightly interpreted not as something ena from which we should escape were reduced lungs and digestive organs world. I speak of the world of the though, as this is at a considerable supplementary to those of general we or the globe we inhabit either would be required. Thus we might infinitely little, which must be still distance fom the shore, he can not be gravitation, but as due to an independ- larger or smaller, heavier or lighter? May not our boasted knowledge be an inverse nature to those resulting ter as therein existing or perceptible pose that he holds in his hand a vessel The physics of these homunculi simply conditioned by accidental from intensified gravitation. All parts is something which our limited fac- bearing the same proportion to his would differ most remarkably from environments, and thus be liable to a of the body might safely be construct- ulties do not enable us to conceive. It minimized frame that a pint measure our own. In the study of heat they large element of subjectivity hitherto ed upon a less massive plan-a slighter is the world-I do not say of molecular does to that of a man as he is, and would encounter difficulties probably unsuspected and scarcely possible to

Here I will introduce Professor less degree than we are contemplat- the limit of human perception, as inverts the vessel he finds that the we have the power at pleasure of James's speculation, to which I have ing, tend in the present to beauty of opposed to forces evident to the gross liquid will not flow and can only be raising and lowering the temperature already alluded. It deals with a posform, and it is easy to imagine our perceptions of human organisms. I dislodged by violent shocks. Wearied of bodies. This requires the command sible alteration of the time scale due æsthetic feelings would naturally keep hardly know how to make clear to my- by his exertions to empty the vessel of fire. Actual man, in a rudimentary to a difference in rapidity of sensation pace with further devlopments in the self or to you the difference in the ap- of water he sits on the shore and idly state of civilization, can heat and ig- on the part of a being presumably on

"We have every reason to think that It is curious that the popular con- of bulk in the observer. Such an ob- rule the stones and other wet bodies rays, etc.; but before these operations creatures may possibly differ enorceptions of evil and malignant beings server I must needs imagine as best I sink, although when dry they obstina- produce actual fire they must be mously in the amounts of duration which
they intuitively feel and in the formula. they intuitively feel, and in the fineness of the events that may fill it. Von by increased gravitation—toads, rep- vividness of the great satirist who, float on the surface. He carries other matter, otherwise the heat is conducted Baer has indulged in some interesting tiles, and noisome things-while the from a postulated difference of size far substances. A rod of polished steel, a or radiated away as rapidly as produced computations of the effect of such substances. A rod of polished steel, a or radiated away as rapidly as produced silver pencil case, some platinum and the point of ignition seldom differences in changing the aspect of nature. Suppose we were able, within the length of a second, to note di 10,000 events, instead of barely 10, as now; if our life were then destined to hold the same number of impressions it might be 1,000 times as short. should live less than a month, and personally know nothing of the change seasons. If born in winter, we should believe in summer as we now believe in the heats of the Carboniferous era. The motions of organic beings would be so slow to our senses as to not seen. The sun would stand still in the sky, the moon be almost free from change, and so on. But now, reverse the hypothesis, and suppose a being to get only one one-thousandth part of the sensations that we get in a given time, and consequently to live 1,000 times as long. Winters and summers will be to him like quarters of an hour. Mushrooms and the swifter-growing plants will shoot into being so rapidly appear instantaneous creations; annual shrubs will rise and fall from the earth like restlessly boiling water springs, the motions of animals will be as invisible as are to us the movements of bullets and cannon balls; the sun will scour through the sky like a meteor, leaving a fiery trail behind him. That such imaginary cases (barring the which is consequently not universal, depending on the use of the pneumatic superhuman longevity) may be realized somewhere in the animal kingdom it would be rash to deny." (James' Principles of Psychology, Vol. I, p. 639.

Telepathy, the transmission of thought be either ignored or unknown. The world, it is, I think, a conception even homunculus able to communicate but scientifically repulsive to many minds.

of spontaneous cases, as apparitions at not presume to decide. light on some of those phenomena.

are presumably in some way continuous; sixty-second or sixty-third step the These are weighty objections, but which a form of energy acts, not the and certain facts, plucked as it were trammels from which rays at the not, I think, insurmountable. Far be form of energy itself. We may from the very heart of nature, are sixty-first step were struggling to it from me to say anything disrespect- explain molecular and molar motions, likely to be of use in our gradual discovery of facts which lie deeper still.

Let us, then, consider the vibrations we trace, not only in solid bodies, but per second, and that these rays pierce from our material and limited concep- important question as to what form of in the air, and in a still more remarkable manner in the ether.

These vibrations differ in their velocity and in their frequency. That they along their path with the velocity of whom the thinker is in close sympathy determined paths. What is the exist, extending from one vibration to two thousand millions of millions vibrations per second, we have good evidence. That they subserve the purpose of conveying impressions from outside sources of whatever kind to living organisms may be fully recognized.

As a starting point I will take a pendulum beating seconds in air. If I keep on doubling I will get a series of steps as follows:

Starting point The seconds pendulum 2 vibrations per sec.

At the fifth step from unity, at 32 vibrations per second, we reach the region where atmospheric vibration reveals itself to us as sound. Here we have the lowest musical note. In the next ten steps the vibrations per second rise from 32 to 32,768, and here, to the average human ear, the region of sound ends. But certain more highly endowed animals probably hear sounds too acute for our organs; that is, sounds which vibrate at a higher rate.

We next enter a region in which the vibrations rise rapidly, and the vibrating medium is no longer the gross atmosphere, but a highly attenuated medium, ends. They can not be regularly philosopher to find out and correlate. selves on the new illimitable road. "a diviner air," called the ether. From the sixteenth to the thirty-fifth step the have not been polarized; they are not overrides all laws, and it is a pre- of scientific mind should shut his eyes (Our Magnetized Slates for the home circle will have not been polarized; they are not overrides all laws, and it is a pre- of scientific mind should shut his eyes (Our Magnetized Slates for the home circle will exceed a special state of the home circle will be a special state of the home circle w 738368 a second, such vibrations ap- to another of different density, and for every act done a corresponding from it. Our Proceedings are, of pearing to our means of observation as they penetrate considerable thicknesses expenditure of energy must be trans- course, not exactly parallel to the electrical rays.

We next reach a region extending from the thirty-fifth to the forty-fifth through glass. It is also demonstrated in energy of another kind. But to us every form of research there must be which as a weekly uewspaper we have step, including from 34359,738368 to 35,-184372,088832 vibrations per second. This region may be considered as un- but consist of bundles of different the existence of a certain kind of erroneous. But it is thus, and thus known, because we are as yet ignorant wave-lengths, analogous to what would molecular motion, what is it that only, that each science in turn takes what are the functions of vibrations of the rates just mentioned. But that them as light. Some pass easily rather than another? A weight falls in actual careful record of new and

the steps extending from the fortyfifth to between the fiftieth and the we may have a possible mode of trans- expended in its rise and the same of nature, and of "worlds not realfifty-first, and the vibrations extend- mitting intelligence, which, with a amount is liberated in its fall. But ized" than this planet has yet known. ing from 35,184372,088832 per second few reasonable postulates, may supply instead of letting the weight fall free, (heat rays) to 1875,000000,000000 per a key to much that is obscure in suppose I harness it to a complicated second, the highest recorded rays of the psychical research. Let it be assumed system of wheels, and, instead of letspectrum. The actual sensation of that these rays, or rays even of higher ting the weight fall in the fraction of light, and therefore the vibrations frequency, can pass into the brain a second, I distribute its fall over which transmit visible signs, being com- and act on some nervous center there. twenty-four hours. No more energy prised between the narrow limits of Let it be conceived that the brain is expended in raising the weight, and and Heroism by writers whose fame is now grow-about 450,000000,000000 (red light) and contains a center which uses these in its slow fall no more or less energy in the contains a center which uses these in its slow fall no more or less energy in the contains a center which uses these in its slow fall no more or less energy in the companion's columns. \$50,000000,000000 (violet light)—less rays as the vocal chords use sound is developed than when it fell free;

we arrive at what is for our existing out, with the velocity of light, to im- scope, or a philosophic instrument, senses and our means of research, an- pinge on the receiving ganglion of and does what we call useful work. other unknown region, the functions of another brain. In this way some, at The clock runs down. I lift the weight which we are beginning to respect. It least, of the phenomena of telepathy, by exerting the proper amount of is not unlikely that the X-rays of Pro- and the transmission of intelligence energy, and in this action the law of fessor Reentgen will be found to lie from one sensitive to another through conservation of energy is strictly between the fifty-eighth and the long distances, seem to come into the obeyed. But now I have the choice

regions, concerning which we must these high-frequency waves. Exper- of the weight. I strike a match; I own our entire ignorance as to the part ience seems to show that the receiving can use it to light a cigarette or to set 144 Berkeley Street,

scientific world in the same way as thought or its transmission? We supernatural. evidence less careful and less coherent might speculate that the increasing All the phenomena of the universe imagination to conceive that at the destination.

call up in my own brain a picture of a without loss of energy due to distance? fortuitous concourse of atoms along means of an orderly transmission of mundane ideas of space and distance rial world in which we live? vocal chords through the material regions of unsubstantial thought, where intentionally used words of wide atmosphere, a corresponding picture is "near" and "far" may lose their signification-have spoken of guidance implanted in the brain of anyone usual meaning? impress on the brain of the recipient it. The time may come when it will may be introduced into the existing is of a complicated character, or if be possible to submit it to exper- system of earthly forces by an external the picture of it in my own brain is imental tests. not definite, the transmission will be I am impelled to one further reflect that this is not so than I can be cer-

acquainted, and of dimensions comparable with the distances between the system or not. Let us consider this a force upon ultramicroscopic modifications of the atoms of which the malittle more closely.

The distances between the system or not. Let us consider this a force upon ultramicroscopic modifications of the human germ.

The distances between the system or not. Let us consider this a force upon ultramicroscopic modifications of the human germ.

The distance wanted by the distance of infinitesimal diverting and interest that he wanted by the distance of infinitesimal diverting and interest that he wanted by the distance of infinitesimal diverting and interest that he wanted by the distance of infinitesimal diverting and interest that he wanted by the distance of infinitesimal diverting and interest that he wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the wanted by the distance of infinitesimal diverting and interest the distance of infinitesimal diverting and interest the distance of infinitesimal divert

between the fifty-eighth and the long distances, seem to come into the obeyed. But now I have the choice sixty-first step, having vibrations extending from 283220,576151,711744 to sensitive may be one who possesses in a fraction of a second, or the telepathic transmitting or receiveneshing.

In this series it will be seen there are two great gaps, or unknown practice, is rendered more sensitive to more energy is developed in the fall full color.

In this series it will be seen there as the come into the obeyed. But now I have the choice of including Anecdotes, Miscellany, Humorous and Charact r Sketches. The Weekly Health Article, the Children's Page, Timely Editorials.

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A full A are two great gaps, or unknown practice, is rendered more sensitive to more energy is developed in the fall

We have supplied striking experimental they play in the economy of creation. and the transmitting ganglions are not fire to a house. I write a telegram; evidence; but few have been found to Further, whether any vibrations exist equally developed; one may be active, it may be simply to say I shall be repeat our experiments. We have of- having a greater number per second while the other, like the pineal eye in late for dinner, or it may produce fered good evidence in the observation than those classes mentioned we do man, may be only vestigial. By such fluctuations on the stock exchange that an hypothesis no physical laws are will ruin thousands. In these cases the moment of death and the like, but But is it premature to ask in what violated; neither is it necessary to the actual force required in striking this evidence has failed to impress the way are vibrations connected with invoke what is commonly called the the match or in writing the telegram

has often done before. Our evidence is rapidity or frequency of the vibrations ed that brain waves, like any other momentous part, which determines the not confronted and refuted; it is shirked would accompany a rise in the import- waves, must obey physical laws. words I use or the material I ignite, and evaded as though there were some ance of the functions of such vibrations. Therefore, transmission of thought is beyond such a law. It is probable great a priori improbability which ab- That high frequency deprives the rays must be easier or more certain the that no expenditure of energy need be solved the world of science from con- of many attributes that might seem nearer the agent and recipient are to used in the determination of direction sidering it. I at least see no a priori incompatible with "brain waves" is each other, and should die out alto- one way more than another. Intelimprobability whatever. Our alleged undoubted. Thus, rays about the gether before great distances are ligence and free will here come into facts might be true in all kinds of ways sixty-second step are so minute as to reached. Also it can be urged that if play, and these mystic forces are outwithout contradicting any truth already cease to be refracted, reflected, or brain waves diffuse in all directions side the law of conservation of energy known. I will dwell now on only one polarized; they pass through many so- they should affect all sensitives within as understood by physicists. possible line of explanation, not that I called opaque bodies, and research be- their radius of action, instead of The whole universe, as we see it, is see any way of elucidating all the new gins to show that the most rapid are impressing only one brain. The elec- the result of molecular movement. phenomena I regard as genuine, but just those which pass most easily tric telegraph is not a parallel case, Molecular movements strictly obey because it seems probable I may shed a through dense substances. It does not for there a material wire intervenes the law of conservation of energy, require much stretch of the scientific to conduct and guide the energy to its but what we call "law" is simply an

free themselves have ceased to in-ful of the law of inverse squares, but and discover all the physical laws of fluence rays having so enormous a rate I have already endeavored to show we motion, but we shall be far as ever of vibration as 9,223052,036854,775808 are dealing with conditions removed from a solution of the vastly more the densest medium with scarcely any tions of space, matter, form. Is it will and intellect is behind the motions diminution of intensity, and pass inconceivable that intense thought of molecules, guiding and constraining almost unrefracted and unreflected concentrated toward a sensitive with them in definite directions along premay induce a telepathic chain of brain determining cause in the background? Ordinarily we communicate intel- waves, along which the message of What combination of will and intellect ligence to each other by speech. I first thought can go straight to its goal outside our physical laws guides the wave vibrations set in motion by my may be superseded in these subtile In these last sentences I have development of Mediumship.

I am impelled to one further reflection, dealing with the conservation of tain, in an express train, that no signery audience to picture to themselves some very simple object, such as a triangle or a circle, the transmission of ideas will be well-nigh perfect, and that whenever we can trace the ransmitter and recipient. Here we ruse the vibrations of the atmosphere to transmit intelligence from one brain to another.

I am impelled to one further reflection, dealing with the conservation of tain, in an express train, that no signery a spiritualist of tain, in an express train, that no signery a spiritualist of the transmitter on to this or that line of forty-nine years, and is conversant with every energy. We say, with truth, that nalman has pressed a handle to direct energy. We say, with truth, that nalman has pressed a handle to direct that this is not so than I can be certon, dealing with the conservation of tain, in an express train, that no signery a Spiritualist of control to the trains of the train on to this or that line of forty-nine years, and is conversant with every energy. We say, with truth, that nalman has pressed a handle to direct that this is not so than I can be certon, dealing with the conservation of tain, in an express train, that no signery a Spiritualist of forty-nine years, and is conversant with every energy. We say, with truth, that nalman has pressed a handle to direct that this is not so than I can be certon, dealing when has been in medical practice for forty-nine years, and is conversant with every energy. We say, with truth, that nalman has pressed a handle to direct that in a part and in an express train, that no signery a Spiritualist of forty-nine pears, and is conversant with every energy. We say, with truth, that nalman has pressed a handle to direct that in a part and some of the train on to this or that line of forty-nine pears, and is conversant with every energy. We say we from of disease human flesh is conversant with every forty-nine pears, and is conversant with every

vibrations (both being under the com- but I have made it do work of another Leaving the region of visible light mand of intelligence), and sends them kind. It now drives a clock, a telewe arrive at what is for our existing out, with the velocity of light, to imscope, or a philosophic instrument,
soldiers. Philanthropists, Physicians, Lawyers, etc.

is governed by the law of conserva-To this hypothesis it may be object- tion of energy; but the vastly more

expression of the direction along

along ordered paths. It is wisdom to whose ear is capable of receiving such I repeat that this speculation is be vague here, for we absolutely can vibrations. If the scene I wish to strictly provisional. I dare to suggest not say whether or when any diversion power. We can no more be certain

compared with the most minute waves be most interesting to watch, we can-make the sun stand still upon Gideon. with which we have hitherto been not really tell whether any fresh He could do all that he wanted by the

Waves of this character cease to have that there is a wide difference between gradually amassing. I shall be conmany of the properties associated with the production of motion and the tent if I have helped to clear sealed questions answered through the independing the waves. They are produced in the direction of it into a particular chanaway some of those scientific stumbling same ethereal medium, and are probable medium, and are probable medium, and are probable or molecular, is governed by physical tend to prevent many of our possible direction. The production of motion, molar blocks, if I may so call them, which it is the hysical tend to prevent many of our possible direction. The production of motion, molar blocks, if I may so call them, which it is the hysical tend to prevent many of our possible direction. The production of motion, molar blocks, if I may so call them, which it is the hysical tend to prevent many of our possible direction. The production of motion and the tent if I have helped to clear sealed questions answered through the independent vertices.

FREE. Send four cents in stamps for our three directions of instruction upon our work and receive in addition, ONE picture of the Fox sisters taken from the original spirit painting. ity as light, but here the similarity laws, which it is the business of the coadjutors from adventuring them-

reflected from polished surfaces; they The law of the conservation of energy I see no good reason why any man refracted on passing from one medum eminent canon of scientific belief that to our work or deliberately stand aloof of substances opaque to light with the formed. No work can be effected Proceedings of a society dealing with a same ease with which light passes without using up a corresponding value long-established branch of science. In tain the mission of the old form, in that these rays, as generated in the the other side of the problem is a beginning. We own too much that been the mouthpiece fer rational, provacuum tube, are not homogeneous, even of more importance. Granted is tentative, much that may turn out gressive Spiritualism since 1857. be differences of color could we see determines its direction along one path its stand. I venture to assert that both they have some function it is fair to through flesh, but are partially arrested to the earth through a distance of 3 important facts, and in suggestiveby bone, while others pass with almost feet. I lift it, and let it fall once ness, our society's work and publica-Now we approach the region of light, equal facility through bone and flesh. more. In these movements of the tions will form no unworthy preface 17 Fayette St., It seems to me that in these rays weight a certain amount of energy is to a profounder science both of man,

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The Spiritualists of Rochester are trying to pay for Plymouth Temple so that they can own it free from debt. They have a fine photo souvenir sostal eard of the church and pastor, Rev. B. F. Austin. You can get one or a hundred for 5 cents each. Address Frank L. Cushman, Secretary, 549 Sawyer street, Rochester, N. Y.

#### THE NEW PASTOR.

versity; and a very glib and fluent been deified by human credulity. talker. He attracts large audiences, composed of influential and educated people-lawyers, doctors, literary folk, University.

what he said. I agree with him in measure you mete shall be measured his assertion that the book of Job is a unto you again." Each one must bear diers were called in. If this were done sublime poem; but when he says it is the consequences of his or her own it was likely to precipitate trouble the greatest ever produced, I must de- acts. There is no escape. Nature's with the whole tribe, and Major Coopmur. The Bible contains many poetical laws execute themselves with unfail- er laid the case before the headmen. passages of great beauty and power, ing fidelity. Just here a quotation They were told that if the soldiers expressed in language quaint and from the inaugural address of Horace picturespue; yet, like Shakespeare, Man, on assuming the presidency of it is antiquated and out of date-not Antioch College, will be fitting: up to modern thought. Besides, it contains so much vulgarity, obscenity the laws of nature, as manifested Indians, Head Chief and Young Mule, and nonsense, that taken as a whole, it is no longer read by refined, cultured and educated people, and it drown, her pestilences extinguish." is unfit to be taught to children.

fect man. This I deny. A perfect religion; that each religion of the man never lived upon earth. He would be perfectly sane, never make a mis- religion of the world contains some take or commit a blunder. The man falsehoods; and that all religions of who never makes a mistake never of some good thing. The very best poses. The trouble is we are so from her may science or genius sepaingorant we don't know how to use rate." All this is written in the inthese good things. Jesus Christ was terest of higher Spiritualism. not perfect or infallible. He made mistakes. He was not always right. He would not allow himself to be called "good."

He might have poured it in out of one it was so empty of work. This horrible doctrine may be in on a fallen tree trunk. loving souls. As long as we bear you might have to stay here till morning heart the least particle of malice, hatred or ill-will against anyone turned Miss Bagley scornfully.

Our speaker intimated that he had pocket.
a firm faith in the existence of a su
"I kep' looking at my watch and "I kep' looking at my watch and personal God as a personal Devil. Youth's Companion. The idea of a personal God, with a corporeal body, in the shape of a man, sitting on a throne judging, or, ing injustice, is not tenable. It is discarded as a myth, along with that other myth, imaginary existence of a tained a most unmerited prejudice. huge, colossal, personal Devil, superminent in all things.

I have no doubt there were many people in that audience who agree with me in my conclusions. The Methodist church teaches many truths and does much good; yet it is founded girl would join the coach en route. upon, sustained by and teaches five As a matter of fact, this had been the my money to support. In their order, the town to wait for the coach. Her they are:

(1). The existence of three personal gods, called a "Trinity."

It is as much as I can do to believe in one God. I draw the line at three gyman some two hours later, gods.

(2). The existence of a huge, collosal, personal Devil, superior to God Almighty.

This horrible conception is a relic of barbarism. It is no longer tenable. There is no room or necessity in all God's universe for such a creature.

a punishment inflicted by an "angry tepld soapsuds without any soda. After God."

soul could not exist through an eter- china, particularly when the china is nity of misery. A merciful God would mercifully grant it oblivion. This horrible dogma is no longer taught among advanced Christians. It is contrary to all the best instincts of

This universe is governed by immu- water or it will crack.

table, unchangeable, inexorable law. Jesus is no exception. He must have They have a new pastor at the M. children were. I don't think that E. church at West Lafayette, Ind. I Joseph was his real father. His father heard him preach his initial sermons, must have been a foreigner-perhaps Sunday morning and evening. His a Grecian, because Jesus had but few subject, on both occasions, was of the characteristics of the Jewish "Job." He is an educated man, race. The virgin birth has been

(4). The infamous dogma of Vicarious Atonement.

This doctrine is contrary to reason, students and professors from Purdue science, the Bible itself, to common "Whoever will not study and obey

I think any church is better than no He said, also, that Job was a per- church; any religion is better than no world contains some truths; that each the world are the radii of a circle

> O. L. HARVEY. West Lafayette, Ind.

> > A Trying Time.

Miss Bagley had been accustomed to It has always been a mystery to me regard every minute as gold, too how any scientifically educated man precious to be wasted. The life led can believe the miracles of the Bible by the visitors at the hotel to which to be true; for instance, that Jesus she went one summer with a delicate turned water into wine by a miracle, cousin seemed to her almost wicked,

vessel into another. I think if he One day Miss Bagley wandered off were upon earth today, he would turn by herself for a walk in the woods, all the wine back into water, and when, after some hours, she falled to return her cousin began to feel anxespecially the adulterated stuff, if he ious. At last, toward night, a search could. I once heard a Christian mini- party started out. It was dark before ster (Campbellite) say: "It is just as they heard Miss Bagley's voice answer necessary to hate as it is to love." their calls and came upon her seated

accordance with some of the teachings "It's a shame you had such a fright, ascribed to Jesus, yet it is contradict. Miss Bagley," said a kind hearted ed by all experience of the human and young man. "I suppose you thought

or anything, just so long entire, per- guess I could go to sleep in the woods fect peace of mind can never come, without being eat up, but I was mad and never does come. Hatred brings clear through to think I was lost without a sign of knitting work or so much Our speaker intimated that he had as a table napkin to hem in my

preme, omnipotent, personal Devil, saying, Another half hour gone and who was the cause of all Job's I might have done most a whole shell troubles. He said he could just as on my quilt!' You don't catch me reasonably deny the existence of a this way again, I can tell you!"-

Getting Mamma Out of the Way. In an Australian country town lived rather, misjudging, man and dispens- a widow named Sawyer and her pretty daughter Mary. As often happens, the daughter was in love with a young man against whom the widow enter-

One morning Mary was missing, and ior even to God Almighty. "God is her mother, divining the cause, rushed spirit''-the universal spirit of truth, hatless and with a huge white apron permeating all life and all matter im- enveloping her substantial figure down to the place where a coach left daily for the city, sixty miles distant.

The coach was upon the point of leaving, and, although Mary was not there, her luggage was. The irate parent took her seat, expecting that the fundamental and monstrous errors, to original plan, and Mary had gone to a which I never could subscribe or pay relative's house at the opposite end of brother, however, who was in league with her, gave the driver the hint, saw his mother fairly started on her wild goose chase and then rejoined the happy pair, who were married by a cler-

Imagine the poor widow's feelings to find on arriving at her destination a telegram awaiting her announcing that the wedding had taken place .-Peasson's Weekly.

How to Clean Lacquered Brass.

Remember not to apply polish to lacquered brasses. Rub them only with a (3). Eternal, everlasting misery as chamois leather or wash them with this, dry and polish with the chamois. Such a God would be a fiend. The Soda should never be used to wash gilded. The use of soda in the water is what has caused so much of the gilt decoration to disappear from the frag-He gilt and white china of our grandmother's day. Brush cut glass well to remove dust from the indentations before washing it, and never dip either (4). The Immaculate Conception. fragile china or fine glass into too hot

#### A SINGULAR DUEL.

tered to Two Indians.

The following story illustrates very well one of the characteristics of the Indian, as it shows that Indians, as a rule, did not mind dying so much as they were particular about the method. formerly professor in De Pauw Uni- attributed to all great men who have It was a good many years ago at Pine Ridge, when there was trouble with the Cheyennes. Major Cooper was there as agent, and there were two young Cheyennes who were badly wanted for murder. They had waysense and experience. "Whatsoever laid and killed a prospector. They I wish to take some exceptions to ye sow that shall ye reap." "What were not caught, and the chances were that they would not be unless the solwere sent for there would surely be trouble and were requested politely to ask the two erring bucks to come in and be hanged.

Word was sent to the two young within and around us, her lightnings who were out in the hills. They sent blast, her fires consume, her waters word back that they had no objection to dying if it would keep the rest of the tribe out of trouble, but that if they had to die they preferred to die fighting, and they wanted it distinctly understood that they would not be hanged. It was entirely against the customs of the government, but rules did not go for much in those days. Results were the chief things, and does very much. There is nothing evil whose center is God. In the language Major Cooper sent word to them that in itself. All evil is the wrong use of Madame de Stael: "Religion has no if they wanted a fight he would risk limits and no bounds; the vast, the accommodating them. A date was set things are used for the worst pur- infinite and eternal are hers. Never and early in the morning they rode toward the agency, fully armed. Major rest of the tribe, the potential hostiles, were gathered on the hills to see fair play. The agent rode out into the for cover and shooting across the sad-

> The two young Indians galloped up to within shooting distance and commenced circling, hanging on the off der their necks and across their heads. night. The tacit understanding was that if they were killed it was all right, but if they got the agent they would pull out into the hills and wait for some other challenger. The fight did not last long. Cooper had a heavy buffalo gun and killed one Indian, shooting him through the body of his horse. The other kept on circling, and several shots were exchanged till the Indian was shot through the body. He knew It would be all up with him in a few minutes and charged, shooting as he came. But the agent's luck held good, and he was dropped within fifty yards. The law was satisfied, and the agent was able to report officially to Washington that the Indians had been executed.-Washington Star.

> > What Is a Midshipman?

By luck I for the first time in my life have found a plausible derivation for midshipman. It would appear that in the days immediately after the flood the vessels were very high at the ends. between which there was a deep "waist," giving no ready means of passing from one to the other. To meet this difficulty there were employed a class of men, usually young and alert, who from their station were called midship men, to carry messages which were not subject for the trumpet shout. If this explanation holds water, it, like forecastle and afterguard and knightheads, gives another ter than you could at a trifling cost. instance of survival of nomenclature from conditions which have long since

well expressed the anomalous and undefined position of the midshipman. He belonged, so to say, to both ends of the ship as well as to the middle, and his duties and privileges alike fell within the broad saying that what was nobody's business was a midshipman's. When appointed as such in later days he came in "with the hayseed in his hair" and went out fit for a lieutenant's charge, but from first to last, whatever his personal progress, he continued as a midshipman, a handybilly.-Captain A. T. Mahan in Har-

How to Make Harmless Colorings. To color frosting or candy: Lavender, two teaspoonfuls of blackberry juice or jelly; bluish lavender, two teaspoonfuls of blueberry juice; pink, beet, cherry or strawberry juice; yellow, orange, lemon or yolk of egg; brown, chocolate, coffee or tea; green, boil spinach or swiss chard, then squeeze through cheesecloth. All these are harmless and after a little practice one becomes quite expert and can have many dainty effects.

How to Make an Opera Bag. An opera bag always makes a useful Christmas gift and in white or black can be carried with other colors in costumes. A brocaded silk, with the pattern outlined in gilt. silver or steel beads, makes a handsome bag, whose top may be gathered to a purse top or over two gilt rods with a ribbon handle and bows.

#### LIFTING THE BABY.

had a human father born just as other How the Death Penalty Was Adminis- How the Little One Should Be Han- How to Manage an Auto on a Slipdled to Avoid Injury.

The importance of handling and lifting a baby properly is one that many mothers, particularly those who are young, seldom understand. Curvature of the spine or misplaced joints may result from some of the pulling and hauling done, sometimes unconsciously and again when in a temper. To tell a mother that she would injure her small child is to call forth vehement denial, but the fact remains that this is precisely what is likely to happen.

I cannot say too often that a baby should be handled as little as possible, but when he must be moved it should be so the whole body and head receive support, says the New York Evening Telegram. An infant's spine is not strong enough to hold the head unaided, and unless help is given it will roll dangerously. To lift one from a bed put the left hand well under the hip, supporting the limbs. Let the right hand go over and under his head and neck, placing the head then gently on the bend of the arm. Never under any circumstances put the hands under the armpits and raise him until he is at least six months old.

To change from the arms to the shoulder, as may be done when baby is to be carried, place the right hand between the shoulders, bracing the little head by the outspread fingers. The other arm supports the weight of the body.

No baby is strong enough to sit up alone until he is four months old. No matter how he may try and how able he may seem, the strain on muscles is too great and should not be permitted, When beginning to sit he may be put almost anywhere, but the back must Cooper was out to meet them, and the always be supported by a soft pillow.

One of the best ways of strengthening an infant's limbs and one that he enjoys is to put him on his back on a open and slipped off his horse, using it big bed and allow him to kick for an hour or more every day. This may be begun when he is two months old. From its birth a baby should be turned at an interval of an hour during the day from one side to another in its side of their ponies and shooting un- crib and when the mother wakes at

How to Clean Gloves.

Most women seem to think that the whole duty of glove cleaning is comprised in scrubbing silk and linen ones with soap and water and applying benzine or gasoline to the kid variety. As a matter of fact every sort of glove requires a different method of cleaning. Here are a few of them:

Chamois leather gloves should never be washed in very hot water, as the heat tends at once to shrink them. It is also bad for chamois leather to have soap rubbed upon it, and the gloves should be washed in a nice lather made of lukewarm water and good soap jelly or powder in which a pinch of borax has been placed to soften the water.

Black kid gloves should never be washed, but when they begin to look dirty and shabby they should be inked with an application of olive oil and black ink. The gloves should be placed upon the hands and the oil applied with a tiny paint brush or feathers. For white and light kid gloves, apply the benzine with a small toothbrush, leather.

Instead of attempting to clean very fine and expensive gloves oneself, send them to the cleaner, who will be responsible if anything happens to them and will probably do them bet-

How to Preserve Shoes.

An excellent preservative of shoe Whatever the origin of his title, it leather is vaseline. If a small quantity be applied to new shoes it will soften the leather, and if enameled leather will keep it soft much longer than ordinarily and render it less liable to crack, says the New York Globe. If worn shoes are cleaned and blackened and then rubbed with the vaseline, their appearance and wearing qualities will be much improved. Have a box of oats handy when the shoes are taken off, remove all mud and dirt, lace or button them, fill half full with oats and stuff the tops with crumpled paper. When necessary to wear the shoes, empty them and they will be found to have kept their shape and will not be drawn if they were in the least damp when taken off.

> How to Clean White Leather. Alum mixed with pipeclay will be found successful as a means of cleaning waist belts of leather in white or pale shades. An old handkerchief should be dipped in the mixture and worked over the kid, the soiled lines and marks being rubbed in a rotary direction until the dirt disappears. The same procedure may be followed in regard to opera or purse bags in soft kid, the treatment being repeated until the original color is restored.

EPITAPH ON A BAD MAN. OF him that in this gorgeous tomb doth

This sad brief tale is all that truth can He lived like one who never thought to

He died like one who dared not hope to

-Samuel Taylor Coleridge.

TO PREVENT SKIDDING.

pery Road. The ordinary small skid on a slip pery road may be overcome by turn ing the steering wheels in the opposite direction to that which the real wheels are trying to follow and then, as the car straightens up and starts to skld the other way, swinging them back again, continuing this until the machine steadies itself.

Except the skids which sometimes occur in descending a steep hill on muddy roads, those which most often happen occur on city streets after rain or the passage of a sprinkling cart when attempting to turn a corner or when the brakes are applied.

What the results will be cannot be foretold, says a writer in Suburban Life. It is usually advisable to take a chance in shaving close to other vehicles rather than to take the risk of applying the brakes hard on slippery roads.

The side slip happens so quickly that the operator scarcely knows it has started before the car is turned halfway around or is even headed in the opposite direction to that in which it was going. A car can be stopped without causing it to skid by applying the brakes quickly, releasing them and applying them again, overcoming each small skid with the steering wheel.

Often where the service brakes are on the hubs it is advisable to use the lower speed gears as a brake, as the action on the rear wheels will then be about the same. With hub brakes one may be set tighter than the other, and when these are applied the car will almost invariably skid to one side or the

The best method is to go straight ahead as far as possible, gradually slackening the speed of the car and avoiding sharp swerves right or left or turning any corners. Ordinarily the car will not skid, even at high speed, on a slippery road so long as a straight course is followed, but the moment a turn is attempted or the brakes are applied the trouble begins.

How to Treat Weak Ankles.

It is not so easy to see why so many people have weak ankles. The ankles of young children bend in when they walk, and parents, thinking they will outgrow this trouble, pay no attention to it. The consequence is that the turning in becomes a habit which is not corrected in later life. Little children should have the ankles rubbed with alcohol if they show any signs of weakness. Young children ought to wear shoes without heels, and the condition of the shoes worn by older ones should be watched carefully. When the heel is worn down on one side, the ankle naturally turns down on that side. Carelessness in the fit of shoes and the wearing of shoes that are worn on one side will cause the ankles to turn and the walking to be tiresome and awkward. When the ankles bend either in or out when walking, it is a good plan to have the heels lowered a bit on the opposite side. In the same way a habit of turning the heels over on one side can be counteracted by lowering them on the other. Bend the foot backward, forward, sideways. Rotate it slowly at the ankle. Stand on one foot, shake the other leg from the thigh, letting the ankle of the foot be perfectly loose, so that the foot moves freely.

How to Cure a Torpid Liver.

The only salvation for the person with a torpid liver is through changed system of dietetics, combined with exercise in the outdoor air, calisthenics and deep breathing. The person with a bad liver should habitually practice deep and long breathing, filling the lungs at each inhalation. The curative dietary must consist principally of nerve and brain food, including fish and a reasonable amount of beef, with generous quantities of cereal foods and the fruits that are rich in acids. In warm weather it is best to abstain from milk altogether. Butter and vegetable fats, olive oil, boiled rice, baked apples, baked potatoes. graham or whole wheat bread, soft boiled eggs, all constitute a safe and nourishing diet for the bilious person. At the first symptom of biliousness squeeze the juice of half a lemon in the water you drink just before breakfast and before going to bed at night.

Moody on the Cards. One evening in San Francisco Evan gelist Moody sat in his room at the hotel playing a game of cards with Mrs. Moody and two friends when a messenger came in with a dispatch. As the boy stood waiting for a reply Mr. Moody suddenly asked, "Won't you sit down, my lad, and have a game of authors with us?"

The boy declined and soon left the room. Hardly had the door closed when Mrs. Moody said, "Why, Dwight, what made you think of inviting that boy to sit down and play with us?"

"My dear," replied Moody, "don't you see, if I had not called the boy's attention to the fact that we were playing authors all the morning papers would certainly have announced under big headlines that D. L. Moody had been discovered in a San Francisco hotal angaged in a game of cards?"

### LIGHT FROM EVERYWHERE



NORTH SOUTH

This department is conducted to enable Spiritualists and Public Workers to keep in touch with each other and with the work. Send us notices of your engagements or any other items of interest. Officers of societies, send us reports of your meetings, entertainments, what speakers you have, your elections, reports of annual and other business meetings, in fact, everything you would like to know about other societies.

Write reports with typewriter or plainly with pen ad ink. Never use a pencil or write on both sides of

Make items short and to the point. We will adjust hem to suit the space we have to use. A weekly no-cofyour meetings written on a postal card would sook well in this column.

Always sign your full name and address to every continuous attention in the necessarily for publication, but as a guarantee of good faith, "correspondent" or "subscriber" gives us no clue to the author. The printed article can be signed that way if you wish it but we must have your name for our own information.

Manuscripts will not be returned unless stamps are closed for return postage. If not used they will be stained thirty days and then destroyed. Retain copies poems as we do not return them if we can not use Suggestions for the improvement of the paper are in-

Mrs. G. Ripley, the message me-

Mulock avenue, Toronto, Ont.

and test medium, for winter and other tainments. seasons, at reasonable terms. Can easily reach eastern states from this their first social and dance of the large audiences every week, who know point. My private work here during this summer has been good in results. Till farther notice address me Bonfield P. O., Ontario.

VIRGINIE BARRETT.

In a letter to us from Dr. once a month. Peebles, relating to business, he reand am glad to say that it reflects my Ey met with quite an accident. Mr Ey are of great value.

"He says there 'seems to be abundant ceived injury and severe shock. evidence that in many instances the Wednesday evening, October 30th, medium is acted upon by some tricky seance at Temple was well attended. Diakka to play upon the credulity of Mrs. McMininm was the message the unsuspecting, just for amusement. bearer. She occupied most of the time raised \$16 on a center piece. We go \* \* Spirits may trick us in spite in answering questions that were handed from one thing to another, working of all our efforts to make conditions in from the audience. She did very for a good cause, and hope never to fraud-proof.

peals to our reason and judgment.

"Just recently, I received a letter hear her. from -, Pittsburg, Pa., stating that four-fifths of the trance mediums voluntarily and purposely shut their eyes Prospect avenue and Jersey street, to make believe that spirits were speaking through their organizations. Is it not about time to call a halt to all these unproven charges and counter- topic of consideration for the evening among a basketful of other articles

Columbus, Ohio, Nov. 2, 1907. Editor Sunflower:

Sunday, October 27th, I concluded my first month of a three months' engagement with the First Spiritual Church, corner Fourth and State streets, Columbus, O.

The attendance has been good. I find my audience in this city composed of a class of people who appreciate scientific and intellectual discourses. The church building in which our meetings are held would be a credit to any denomination. I think this society can well be proud of owning such a build-

The success of my efforts here are largely due to the unselfish and untiring co-operation of a faithful few, prominent among the number being Mr. Joseph Slater, Mr. John Arras, Mr. Parsons, and Mrs. and Mr. Sailey. Miss Elizabeth Harlow is also serving a society in this city, which gives me the opportunity of much pleasant fraternizing with her, which I greatly enjoy. I always take a deep interest in her work, and I feel that she does in mine. I attended the N. S. A. convention in

Washington, D. C. I think that it was the most practical and efficient convention ever held by the N. S. A. One of its features that I thoroughly enjoyed was the report from the Hague Peace Conference, as given by Mrs. Cora L. V. Richmond. To me her report was intensely interesting and wonderfully comprehensive. I think we Spiritualists of America were greatly merly a Baptist clergyman, officiates medicine or sympathy, as the case blessed in having such a capable repre- at the Temple of the First Association requires. We feel that his patients sentative at that great convention. of Spiritualists, founded 1852. Lyceum are blessed by being able to secure his With very best wishes for your valuable founded 1864. Services at 10:30 a. m. attention. publication,

I am fraternally, OSCAR A. EDGERLY. Address, until January 1, 1907, Room 28, Norwich Hotel, Columbus, Ohio.

The Sunflower, \$1.00 a year.

N. H. EDDY, CORRESPONDENT

November 8th and 15th Prof. Lockwood holds his class of instruction.

Mr. Sprague is expected to serve First Society at Temple during December. Come and get a test.

are well attended. Mrs. Staley, message bearer.

November 19th and call at 723 Prospect avenue, Mrs. Lane's, and be served with oysters and a social time.

Mrs. McCoy, trumpet and trance medium, from Cleveland, is located at 377 Prospect avenue, where she will receive friends and patrons.

class lectures are well attended, also right hand our good and faithful made very interesting by the clear and lecture, to which he calls the attention finds to do, from giving spirit mesof the class.

dium, is now at her home, No. 18 card party and social held at Keystone Stevens, Mrs. Rowe, and other local

A fair number was present and all en- they will hear, but still they come,

Through a mistake made, and some marks: "I have just read Lyman C. carelessness on part of the conductor Howe's article in your issue of the 26th, on the street car, Mr. and Mrs. August views to a remarkable exactness-views being blind made a misstep and stepped put foward in my book, Obsessions by off the car while it was in motion. He Evil Spirits. Mr. Howe's opinions up- was throwh to the pavement and both on any subject relating to Spiritualism bruised and shaken up. Mrs. Ey was also thrown to the pavement and re-

nicely in the work of the evening. Miss weary in well doing. We extend an "No intelligent, well-balanced Spir- Juergensen will serve the society Wed- invitation to all who may come this itualist of experience denies or doubts nesday evenings during November. way to our Ladies' Aid. this. Hence the necessity of caution Miss Juergensen is a very earnest and wisdom, accepting only what ap- worker. I trust that patrons of Sun- wishing all success. flower here in Buffalo will come out to

Prof. William Lockwood occupied the rostrum at First Spiritualist Church, Sunday morning and evening, November 3rd. He always has something of Editor of Sunflower: interest to say to his audience. The on Modern Civilization. The discourse reading was wonderful and she keeps was a very able and scholarly one and the audience spellbound with her tests. listened to with marked attention by When she came to my ring she said, those present. At close of lecture Mrs. "The owner of this ring will be taken C. Lewis Chase, under the influence of very sick right away, for I see very interesting spirit messages. Most her, but the lady will not die, but will grabbed covered with gauze. of same were acknowledged correct.

#### IMPORTANT NOTICE.

To Spiritualists of New York State.

State Association meetings and the He told me that I had to have an work of our State organizer and operation right away. I had not a missionary for the fall and winter moment to lose. Well, I was put under

Spiritualists from all parts of the the holding of State Association meet- cuse, N. Y.

We urge each Spiritualist to cooperate with the State Board in this matter, and request that you let us Write either to Mrs. T. U. Reynolds, the State Association.

H. W. RICHARDSON, Pres. at each session. East Aurora, New York.

#### Philadelphia Note.

The Rev. G. Tabor Thompson, forand 7:30 p. m.

Lyceum, 2:30 p. m.

Capt. Francis J. Peffer, President.

F. H. Morrell, Secretary. Monday, October 7th.

Pittsburg.

street, Pittsburg.

Regular services Sundays 11 a. m. and 7:45 p. m. Thursdays at 7:45 p. m. Lyceum Sundays at 10 a. m.

Visitors cordially welcome.

readers some knowledge of what the is expected that H. W. Richardson, The Sunday evening services at Ladies' Aid of the First Spiritual Sterling Hall, 372 Connecticut street, Church of Pittsburg, Pa., is doing. We have sixty-five members. The board of managers is composed of Patrons of Sunflower in Buffalo note good workers. They are: President, Mrs. Philip Zigg; first vice-president, Mrs. Lizzie Jones; second vice-president, Mrs. Mary Zimmerman; treas- the ladies between services. A good urer, Mrs. Annie Porter; secretary, attendance is expected and a good time Mrs. J. S. Steele; board of managers, Mrs. Mary Aull, Mrs. Kate Taylor, Mrs. G. A. Reich, Mrs. Harry Zigg. We meet every Thursday at 3 p. m. Prof. Lockwood's Friday evening President Mrs. Zigg always has at her worker, Mrs. J. S. Steele, who is distinct explanations of the points in his always willing to do whatever she sages to soliciting donations. The A good number was present at the other faithful ones are Mrs. C. L. Hall Saturday, November 2nd, Charles mediums, who do much towards bring-Hulburt, president. An enjoyable time ing many into the light and truth of a I will engage with societies and per- is always assured those who participate life hereafter and spirit return, and it sons wishing my services as speaker in the Harmony Circle socials or enter- is demonstrated every Thursday that home mediums are appreciated and are The Psychic and Social Club held able to hold the people, as we have season Tuesday evening, October 29th. that it will be home mediums that joyed the program of the evening. Re- week after week, listening to the freshments were served. The other words of cheer given out freely to socials will be duly announced, about whoever it may come. Every week some one has his eyes opened to the great truth of spirit return. We also serve supper every Thursday. In fact, the Ladies' Aid is the mint of the church, as we have money for all our wants and help the main society in a good substantial financial way every month, and we feel that this year will be our banner year, for since the doors were opened September 11th we have had success in every way. We

Hoping I have not tired you, and

raised \$20 on a quilt and a member

that passed into spirit life some

months ago won the quilt. It was

given to her little daughter. We also

Yours, for truth,

S. A. S.

#### Syracuse Notes.

October 13th I had my ring placed confederate in our lives. recover. Well," she said, "who owns this ring?" I claimed the ring and I was feeling sick at the time, but did not tell anyone about my feelings. I had to be helped home that night, and had to send for a doctor. He told me that I had to have an elients means.

Madam EVA SCHWARTZ, 214 East 25th St., 2d Avenue, New York. True Spiritual Psychic. Normal and Trance Clairvoyant, Psychometris and Medical Diagnosist, Fee, according to clients means. Dates are now being arranged for night, and had to send for a doctor. the operation at once, and am now out We shall be glad to hear from of danger and getting along nicely.

The child was Matilda Rosa Leyson. State, especially in localities where Her father is the Rev. Saxville G. there are no organized societies, with Leyson, of the Psychological Research a view to making arrangements for Association, 9-10 Lynch Block, Syra-

MRS. DEGEE, 303 Winton St.

The Lone Star Spiritualist Society hear from you soon with information has commenced services Sunday mornas to conditions in your locality. ings at 10:45, at 1002 Montgomery street. Also services Sunday and Wed-Troy, N. Y., or to the president of nesday evening of each week. Very attentive audiences greet the speaker

> Dr. Robinson, of McLean, N. Y., called on your correspondent the past week. He is visiting this city every week as diagnostitian and dealing out

The Phychological Research Society is still in working order, with Rev. Saxvill G. Leyson as pastor and speaker. He is honest, earnest and interesting. He has good sized The annual meeting will be held audiences. His daughter, a child of

First Church of Spiritualists, Bouquet nized. She is a medium of rare abil-

#### Niagara Falls.

A joint meeting will be held Sun-Ladies' Aid Thursday afternoons at 3. day, November 17th, at Niagara Falls under the auspices of the N. Y. S. A. and the Niagara Falls Society. Ser-I take pen in hand to give your vices at 2 p. m. and 7:30 evening. It president State Association, Frank Walker, first vice-president, and Miss T. U. Reynolds, state missionary, together with Mrs. A. G. Atcheson, pastor of Niagara Falls Society, and other speakers and mediums will be present. Supper will be served by

Mrs. T. U. Reynolds, state missionary, will hold two meetings Sunday, November 10th, at Barre Center, presumably one at Clarendon during the week. Friday and Saturday evenings, November 15th and 16th, at Little San Jose, Cal.

Valley and Niggara Falls November November 15th And Niggara Falls November Novem November 10th, at Barre Center, pre-17th. Moravia November 29th, with week night meetings in near-by towns.

#### The Other Side.

Toronto, Ont., November 2, 1907. Editor of The Sunflower:

Allow me space in your valuable paper to correct the mistake you have made by publishing an article from the S Mail-Empire of this city. That paper has made the correction and given both sides of the matter. No so-called spirit toggery was seized or found. No evidence produced against us and we are fighting the case. You are aware no doubt of the sensational nature of all "common" newspapers and how they feel towards anything of this kind. I will if you wish send you later papers where an account of a strict test seance was given to the press and noted barristers here. We have never claimed to materialize anyone's departed loved N ones, nor do we affirm or deny the existence of occult spiritualistic or supernatural power. There is nothing to expose. The Progressive Thinker has done us a great injustice. There are other ways of producing and demonstrating things besides by spirit power or ledgermain. It is always fair and just to publish both sides. We have been in the work 20 years and have never changed our names. There is not one so-called materializing medium who can do our work. We never posed as mediums or Spiritualists. We are doing our work in our own way. We have never been proven frauds, nor has it been proven that spirit power was not responsible for our demonstrations. We will give anyone \$500 who can Syracuse, N. Y., October 29, 1907. duplicate our work under the same test conditions. We have never used a

We announce to our people that if lecture was The Humanitarian In- sent up for a little girl fourteen years Mrs. Howland's body is in the room fluence of the Spiritual Philosophy up- old to read, psychometrically. Her and is clothed in material clothing it is of Spiritualists under three flags have pronounced us the most wonderful mediums living and have ordained us. Mr. Francis has no proof of his asher controlling intelligence, gave some a lady in bed, a doctor standing over sertions. Mrs. Howland was not

> Sincerely yours, REV. CLARENCE C. HOWLAND, 572 Bathurst Street.

#### ric readings, which are readily recog- MEDIUMS' AND SPEAKERS' DIRECTORY

Mediums and speakers frequently lose engage ments because people do not know where to find them. To avoid this have your name and address listed in this directory, under the proper heading. Speakers and public mediums who subscribe for or advertise in the Sunflower by the year, can, upon application, have their names and addresses placed in this column under one heading free of charge. If more then one heading is desired, \$1.00 per year for each heading, Those marked with a star will attend funerals.

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Mrs. Tyler Moulton, 424 Lilly Ave., Columbus, O.
Mrs. Elise Stumpf, Lake Helen, Fla.
Harriet H. Danforth, Lily Dale, N. Y.
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### TITLES OF LONG AGO

Some of the Ancient Styles of Royal Salutation.

#### FANTASTIC AND RIDICULOUS.

In Spain at One Time the Appella-So Servile That Philip III. Sup- capital. pressed Them-Caesar and the Title "Demigod."

Shenstone in his quaint essay on A Humorist Who Draws a Moral From "Adventure," printed with long s's in the year 1802, says, "It is a very convenient piece of knowledge for tive woman is wedded she becomes a person upon a journey to know practically speechless, says Newton the compellations with which it is proper to address those he happens to in conformity to custom and caste. meet by the way." The author found A Korean wife does not after marhimself well or ill used in proportion riage become absolutely mute, but as he happened or not to suit his salu- she does not speak unless necessitations to people's ideas of their own ty demands it. And, by the way, rank.

"It may not be imprudent," he says, "to accost a passenger with a title superior to what he may appear to claim. This will seldom fail to diffuse a wonderful alacrity in his countenance and be perhaps a method of securing you from any mistake of greater importance. I was led into these observations," he remarks, "by some solicitudes I lately underwent on account of my ignorance in these peculiarities. Being somewhat more versed in books than I can pretend to be in the orders of men, it was my fortune to undertake a journey which I was to perform by means of inquiries." After enumerating the mishaps that befell him on account of misplacing the titles "friend," "honest friend," "honest man," "dame," "madam," "sir," "sweetheart," etc., he says naively that he was within a foot of rushing down a precipice by calling another "forsooth.'

"When you reflect upon this subject," he continues, addressing the public of upon this impression jests and jokelets his day as a sympathetic friend, "learn are freely built. The eternally talking to be wise from others' harm and do not forget to observe decorum on every occasion. In the meantime you may if you please consider the vast front and, with their noses touching importance of superior titles when there is no one so inconsiderable but there is also a mind it can influence."

The Princess Elizabeth in an undated letter from "Hatfilde" sends by request her picture to Queen Mary and concludes the carefully worded epistle with: "And thus I will (trobling your malestie I fere) end with my most humble thankes, beseching God long to preserve you to his honor, to your consort, to the realme's profit and to my joy. Your Malestie's most humble sister and seruante."

St. Foix tells us, says the elder Disraell that kings were usually addressed by the titles of most illustrious. your serenity or your grace. The appellation of your majesty was established by that Tiberius of France. Louis XVI., whose manners were of the most sordid nature. So distinct were once the titles of highness and excellence that when Don Juan, brothup the latter and the city of Granada saluted him as your highness it occathat had he persisted in it he would have been condemned for treason.

prefix illustrious belonged only to those who had made a splendid reputation in arms or in letters.

and ridiculous attributes, reducing them to the simple "the king our lord." dom, saluted Henry VIII. as your maj-

Ancient Portuguese writers give fannomotapa, "a native African kingdom that attained on the original trials. famous for its gold mines, lying in Now a third set of propellers is to be the lower Zambezi basin and chiefly in the present Mashonaland. The king speed.-Engineer. of this region is surrounded by musicians and poets, who thrive in his atmosphere and who adulate him by such refined flatteries as the lord of the sun and moon, great magician and great thief.

"The king of Persia is called 'branch of honor, mirror of virtue, rose of delight.' His majesty of Ava is called God and in his correspondence with royalty styles himself king of kings and insists upon being obeyed, as he attends to the preservation of animals an ambiguous conclusion, to which foreign royalty might reasonably object. He is also regulator of the seaand flow of the sea, brother to the sun and king of the four and twenty umbrelias. To mark his dignity the four and twenty useful and often plebeian articles are always carried before the august monarch.

"The most striking titles of the king of Achem are 'sovereign of the uni- hall porter made a mistake and put the verse, whose body is as luminous as the sun, whom God created to be as tion office and the "Welcome" doormat accomplished as the moon at her plen- in front of the editor's room,-London itude, whose eye glitters like the north-

ern star; a king as spiritual as a ball is round, who when he rises shades all his people."

In the age of Augustulus "your eternity" and "your perpetuity" were not unusual titles. A law of Theodore the Great begins, "If any magistrate, after having concluded a public work, put his name rather than that of 'our perpetuity.' let him be adjudged guilty of high treason." When Caesar had conquered Rome and was put to dine with the gods he had the good taste to inn Spain at One Time the Appella- sist on the removal of his new title, tions Applied to the King Became "demigod," from his statue at the

#### WIVES IN KOREA.

Their Silence.

It is said that in Korea after a na-Newkirk in the Boston Post. This is if none of us talked any more than necessity demanded this world would be full of large chunks of silence. The Korean wife does not chatter like a parrakeet. Hot air is something in which she does not deal. Of course if the house got on fire she would mention it, or if she were to step on a snake she wouldn't try to keep the fact a secret, but she does not talk over the back fence when she is bringing in the wash or converse with her neighbor when she is washing the windows. If she did, she would lose her caste and her social rating would slump faster than a copper stock.

Probably many a brutal husband who reads these lines will sigh and say, "Ah, that my wife were a Korean!" There has an impression got abroad in this land of the free and the home of the grafter that our women are endless and tiresome talkers. In the eyes of the masses the American wife holds the long distance record as a continuous conversationalist. And wife is a prolific source of inspiration for comic weeklies and the vaudeville stage. Two comedians come down each other, engage in a rapid fire conversation;

"I got a talking machine down to my

"Oh, you got a talking machine down to your house! How much did you pay

'I didn't pay nothing for it-I married it!" (Shrieks of laughter from the large and select audience.)

But if the wife is voluble of speech, is her husband a sphinx? If a woman is a human phonograph, is a man a clam? Not exactly-not so that you could notice it from the road through the binoculars. Most of the husbands who like to joke about the wagging tongues of their wives are living expounders of the hot air theory. They are the chaps who have nothing to say and devote most of their time to saying it; they are full of persiflage, verbosity and prunes. When they open their mouths their tongues run away er of Philip II., was permitted to take with them. Stand one of these tiresome expounders of the obvious up beside a talking machine and he will sioned such serious jealousies at court make it sound like a whisper. Man, as he averages up, is full of bluff, brag and bluster, and that's worse than Until the reign of Constantine the you can say of the average woman.

The Dreadnought's Propellers. When the work of fitting the new In Spain the affectation of titles experimental steering engine to the grew to such a degree that Philip III. Dreadnought is completed the vessel published an act which forbade servile will be docked to have another set of propellers fitted. It will be remembered that after the Dreadnought had Ferdinand and Isabella were high-completed her steam trials there was a nesses only. Francis I.. who styled considerable falling off in her speed. completed her steam trials there was a himself the first gentleman in his king- It was thought that the deficiency could be met by the provision of a new set of propellers, but when these were fitted the subsequent tests showtastic accounts of the kingdom of Mo- ed that her speed was still less than

A Horse's Jump.

fitted in the hope of regaining the lost

A startling episode occurred some time back at Angers, the capital of the French department of Maine-et-Loire. A cavalry charger was being exercised by a groom in the Rue de Brissac when as it was crossing the railway bridge it was startled by an approaching tram car. The animal, which was a great, powerful bay, plunged violently, and then with one tremendous bound it cleared the four foot parapet at the bridge and dropped to the railway line full forty feet below. The horse kept its feet and the rider his seat, and neisons, the absolute master of the ebb ther was a penny the worse.-Strand Magazine.

Awful Blunder.

Newspaper Office Boy - Oh, there's cinnati Enquirer. been an awful time up in the editorial room today! Business Manager-Eh? What's the trouble? Office Boy-The "No Admittance" sign at the subscrip-Tit-Bits.

#### TEACHING ELEPHANTS.

the Best Pupils.

On a number of points all elephant One of the most interesting sights trainers agree, says Appleton's Mag- the new arrival in Canada can strike zine. These are, first, that the tall, is to witness a log drive on one of the fat legged, small eyed elephant of big rivers there, especially should there be girth is not only the handsomest, but also the most docile and intelligent of his kind; second, that an elephant is fully aware of his prodigious strength rider, his steeds probably cutting more compared with man's and that the reason an elephant obeys his master is not because he is afraid of him, but because he has an affection for him; reaches the one he wants; then he will third, you may beat a bad elephant to death or kill him by ramming red hot from down his throat in an effort to press the "squeal of surrender" out running down stream miles without of him, but the one and only way to train an elephant to perform tricks is through kindness and patience unending; last, but not least, without exception the intelligence of the elephant far exceeds that of any other animal.

Elephant trainers maintain that training an elephant to perform is like teaching a boy circus riding, only less

which an elephant entertains his audience come as natural to him as the lapping of milk comes to a cat-for instance, the blowing of the mouth harmonica. Twenty feet to the right or to the

left of the candidate to be taught to lie down four heavy stakes are driven into the ground, and from each of these runs a block and tackle connecting with each leg and manned by ten or a dozen men. When all is ready the trainer stands in front of the animal, raises his hook and "Down! Down!" he orders. The elephant pays his trunk and swaying his body from side to side. "Down! Down!" shouts the trainer again, and upon a signal some forty men begin to heave and tug, the blocks squeak, the ropes creak, and while the trainer continues shouting his command the pachyderm's legs begin to be drawn from under him. With a scalp raising trumpet, the startled creature begins to struggle, lashing with his trunk from side to side and groping with its tip for a hold to steady himself, but the relentless ropes continue to draw his legs. The huge beast leans at a forbidding angle, bellowing like a herd of steers and drowning the "Down! Down!" of the trainer. The great body begins to totter. For an instant it regains its balance; then it falls, crash- his age.-London Standard. ing with a dull thud on to the bed of straw. Trumpeting like the screech out of a cracked steam calliope, the brute tries vainly to struggle to his feet, until at the end of three or four minutes he begins to realize that nothing so very startling has happened and that really he ought to feel very comfortable indeed.

To teach him to stand on his head the trainer again uses the block and tackle. To forestall the effects of a bad fall the floor of the training stable is thickly littered with straw. Then the candidate is harnessed with chains and the bellyband and block and tackle as he was when learning to rear, the difference being that the chains from under the belly lead between the hind instead of between the forelegs, so that the hindquarters instead of the forequarters may be raised.

A Wasp Nurse.

A story of how one wasp cared for another that had been injured is told by a gentleman who, while reading the newspaper, felt bothered by the buzzing of a wasp about his head and knocked it down. It fell through the open window and lay on the sill as if dead.

A few seconds afterward, to his great surprise, a large wasp flew to the window sill and, after buzzing around his wounded brother for a few minutes, began to feel him all over.

The injured wasp seemed to revive under this treatment, and his friend then dragged him gently to the edge, grasped him around the body and flew away with him. It was plain that the stranger, finding a wounded comrade, gave him aid as well as he could and then bore him away home.-London M.

Cup Plates.

"These cup plates assure us that this 100-year-old china service is the real thing," said an antiquary. "They stopped making cup plates 100 years ago. Cup plates," he went on, "show how table manners change. Now, do you know what they were for? They were to hold your dripping cup of tea-after you had poured a part of it into the saucer to drink from-so that the cloth should not be stained. Yes, in the past, everybody drank hot tea from the saucer. Kings and queens, emperors and generals, all, with a gurgling sound, tilted the full saucer with careful balance to the lips. The cup, meanwhile, reposed on the cup plate."-Cin-

A Faint Resemblance.

"Ah, my boy," said the purse proud individual as he handed round the Flor de Toofas, "that's something like

"Yes," responded one of the victims; "what is it?"-London Opinion.

#### A LONG DRIVE.

The Tall, Fat Legged, Small Eyed Kind The Expert Lumbermen of the Cana- The Monster Weighing Machine In the dian Rivers.

several rapids to navigate.

The expert river man is a clever athlete-clever and nervy as any circus antics than any horse could think of. He will jump from one log to another quickly as they swirl around until he make for the center and stand perfectly upright and still, balancing himself with a long pike or peavy, sometimes landing.

He also guides other logs into the channel in passing, at times jumping from one to another in marvelous fashion, although the logs are twisting and turning in every direction.

Probably the cleverest piece of work one could observe out here is when the logs get jammed in passing the rapids. Then you see the expert at A number of the simpler tricks with his best. He is here, there and everywhere until he gets things as he wants them, when he will calmly stand and ride down among the heaving, grinding mass as though there were no danger at hand. This scene, so full of excitement, once witnessed could never be forgotten.-London Tit-Bits.

A Royal Martyr to Etiquette.

In Spain the etiquette to be observed in the royal palaces was carried to such length as to make martyrs of their kings. There is a historic instance. Philip III. was gravely seated by the fire. The firemaker of the court no attention. He stands waving had kindled so great a quantity of wood that the monarch was nearly suffocated with heat, and his grandeur would not suffer him to rise from the chair. The domestics could not presume to enter the apartment because it was against the etiquette. At length the Marquis do Totat appeared, and the king ordered him to damp the fires, but he excused himself, alleging that he was forbidden by the etiquette to perform such a function, for which the Duc d'Usseda ought to be called upon, against the floor, frantically seeking as it was his business. The duke was gone out. The fire burned fiercer, and the king endured it rather than derogate from his dignity. But his blood was heated to such a degree that he was seriously ill the next day. A violent fever succeeded, which carried him off in the twenty-fourth year of

Just as Fresh.

Mrs. Newwed-Are these eggs as fresh as the ones I got from you last week? The Grocer-Oh, yes'm! Some of the same lot, ma'am. I've been keeping 'em for you .- Pick-Me-Up.

OUR LARGEST SCALES.

Washington Navy Yard.

The biggest scales in the country are in the navy yard at Washington, They outweigh the largest railway scales by fifty tons. The latter are not to be sneezed at, for they easily weigh as much as a heavily loaded car. The navy yard scales are so accurate that they come within a pound of the exact weight. Railway scales are considered good if they come within fifty pounds. All the large ordnance manufactured for the navy is weighed upon this machine, which is some ten years old. The scales look like ordinary hay scales.

The delicate mechanism is invisible. the most intricate parts being in a broad pit below the ground. The platform is forty-eight feet long and twelve feet wide. Beneath the powerful machinery is a cement base laid upon long piles. A solid base being one of the prime requisites of a powerful weighing machine, it was found necessary to use a pile driver to secure a stable foundation.

The machine is regarded as the finest of its kind in the world and is a splendid achievement of American ingenuity. In order to show the accuracy of the scales an official picked up half a brick and tossed it upon the platform. He then consulted a long brass lever and found that the brick weighed just one pound.

The capacity of the scales is 150 tons. Two twelve-inch guns lying on a forty-eight foot car truck can be weighed on the machine without taxing its capacity.-Washington Star.

"I Trust You."

"I owe my salvation to three words you spoke," he wrote. "When all the world was against me you said, 'I trust you.' "

If every boy or girl who has made mistakes and gone astray could have such a friend a great many of them would return to a normal life. The feeling that somebody believes in us, trusts us, no matter what others believe or say, touches the heart. Criminals are sometimes totally reformed through the consciousness that somebody still believes in them, no matter how low they may have fallen. Could we realize how much this trust and confidence would do for a man when everything else has failed we should be more generous of our confidence in our fellows .- Success Magazine.

The Boss.

"All right," said Elsie, "we'll play theater. I'll be the boss."
"No." replied Tommy, "I will. It takes a man to be manager."

"Of course, that's all right. I mean I'll be the leading lady."-Kansas City Independent.



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