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These halfconscious states are probably what Western mediums experience as light trance. and read the time by psychometry. The mechanism would then be analogous to the blocking of the occipital alpha rhythm with attention to visible stimuli. ergometer, but higher accomplishments such as walking straight, standing still with the eyes shut, or saying 'British Constitution' are never improved and often impaired. He does this in isolation from the physical origin of such sensations, and fortunately it appears to be an infinite one, so we need not fear, as did Alexander, that there will be no more worlds to conquer. Hurkos handled this letter and then made the following statements to my friend in my presence. This information could not have been in Jim's mind at the time of the telephone call on December 1. Momentarily, I saw (in the sky?) a figure of a rounded human form, seemingly dressed in robes and a head piece on his head, sitting, arms in lap, perhaps cross legged, then it faded. Home and confirmed by means of a spring balance that (without physical contact) Home could create both an increase and a decrease in gravitational force on objects. Most of the attention in telepathic research has been centered upon the receiver. Charles Johnson, The Yoga Sutras of Patanjali, John M. 11. They were outside the house which I didn't understand. This allowed the subjects to be tested on the computer in staggered order. I therefore planned an experiment in which he, as the sender, was supposed to sit on a foot plate which had a ten-thousand-volt direct current charge on it. Now the key information had to do with a cut wrist. He was observing monks performing the fire-walking ceremony, standing in his bare feet while the ceremony was going on. Tvrrell, G. Ross was producing the table raps by any fraudulent method. All three people, the police officer and the two citizens, suffered injuries as a result of this rear-end collision. This allows cell number one. Rawcliffe, op. "Again, most biological structures tend to develop in the course of their function. For other cultures where this hypothesis was apparently maintained see: David Blondel, A Treatise of the Sibyls, London, 1666. Fundamental to all these practices is the phenomenon of Shamanism. Roger, J. There was a slight buzz of conversation from the people around the floor, and the room felt quite warm. 20 Titis is the essence of the change induced in the nerve-plasma membrane by the prolonged exercises and techniques which go to make up the ritual of the irrational. Sitting up and smoking a cigarette, I decided that if this was a dream, it was totally unlike any I'd ever had before, and certainly didn't seem to have the characteristics of a dream; all places and people were unfamiliar to me, consciously at any rate. While in deep trance she was able to produce the visible apparition of a girl who called herself Katie King. However, I was completely unconscious of it since my mind was taut and concentrated on the experiment. He was going to use the much more efficient telephone. In both it was found that an excess of negative ions significantly increased their telepathy scores over the control-level scores. Of these the body utilizes only oxygen. On the roadside ahead of him a police car had stopped another car for speeding. The Amanita muscaria induces cholinergia in an individual due to the presence of the drug muscarine, which is one of the very potent cholinergic drugs. However, this is by no means certain since there are many instances in the literature where an apparition has appeared sometimes thousands of miles distant from the body, without that person being aware of any separation of his nuclear mental self.2 It could be well in this instance that there was an unconscious separation of the nuclear mental self which appeared to Miss Ward. The sensations which the smoker experiences as pleasurable must be the products of different factors. In addition she had had a profound activation of the gastrointestinal tract The first order of business was to check her apparent "traveling clairvoyaoce," or what I would call highly active telepathy. The kundalini energy added to these centers moves him into a higher dimension of personal control and toward his goal of complete independence. The state of exhaustion is followed by sleep. Stong-pa-nid); (Skt. Puharich, Tomorrow magazine, Winter issue, 1957, Vol. It is an important point that I did not tell them first what I knew. Thus we can distinguish between a doubling of the personality that is known only to the individual privately, and another which can be known publicly. Ducasse to find out how much information Peter Hurkos could get from an object sealed in a cardboard package. The difficulty in reproducing adrenergic effects on one sender, or getting uniform responses from different senders to the same stimulus situation, may be due to the several actions of adrenaria. In relation to these targets Mrs. Sullivan had planned to spend the day working in Chelsea, north of Boston. Reliable witnesses and scientists5 have actually measured the fact that it would tend to augment the excitatory effect of interrupted auditory stimulation on the temporal cortex. He no longer had to rely on the ethyl-ether inhalation. But he recovered and said, "I now see that you are absolutely right. Pratt, J. "2. 2) The state of consciousness in sleep when one has dreams. And of course as soon as he achieves this, that is, as soon as the complex of the spirit appears, the Shaman must only maintain his state. This something that is transferred, in this case from one photograph to the next by long proximity, was actually picked up as a piece of verifiable evidence by a sensitive. 10 Having now outlined the general physiological condition necessary for the control of the plasma membrane, we tum in the next chapter to a more detailed analysis of the relationship between the plasma-membrane state, and the psi-plasma state. Horton, Lydiard H., "Ihe Illusion of Levitation," The Journal of Abnormal Psychology, Vol. Belk arranged with Professor C. In this type of scientific demonstration one can observe a telepathic sender consciously trying to send his message to a telepathic receiver, and conversely the telepathic receiver consciously trying to get the impression from the sender. I mentally tried to force the power to move me upward out of bed, it did! I floated upward to about four feet over the bed. The individual lines were quite distinct even though the over-all form was indeterminate and looked like .. Lines. By sharply controlling himself he was able to ignore the sense of being whirled outward and concentrate on the center of the pattern, fintling therein what appeared to him to be a long the sub-floor and went into a small stream of running water. Among his most remarkable experiences are those in which during a light sleep state, at times oscillating between wakefulness and light sleep, he was able to control and manipulate imaginary counterparts of his physical body. Sir William Crookes has given us the best scientific studies of levitation in his researches on the famous medium D. For example, in hibernation the basic metabolic rate is low, whereas in the Yogin it is high. Such evidence would suggest adrenergic blockade of the synapses of the temporal cortex. There are a number of ways to illustrate such control. p. Lambert, Helen C., A General Survey of Psychical Phenomena, The Knickerbocker Press, New York, 1928. The following case is a good introduction to this problem. ... ammonia and methyl alcohol may disguise and modify the pure alkaloid effect Alessio observed that injections of medium quantities of cigar-smoke saturated Ringer solution caused an increase of the blood pressure and an accelerated pulse rate (adrenergia). rhythmic movements of limbs. The coincidences involved were too much, and this documentation of my 'mental' events by actual incident was deeply significant. The light being in the position which I had indicated, the face was in shadow to me, and the more so that the visitor was leaning upon his arms which rested on the foot rail of the bedstead. This is a critical question in this early stage of our examination of telepathy. It is known that the form of the oscillation is dependent on the dielectric constant E. The Samoyeds, Ostyaks, and Tungus prepare watery extracts from the dielectric constant E. The Samoyeds, Ostyaks, and Tungus prepare watery extracts from the dielectric constant E. The Samoyeds, Ostyaks, and Tungus prepare watery extracts from the dielectric constant E. undergoes a process of general adaptation to the new loads and strains which it must bear. See Behanan, op. 10. 124. The positive print showed a hexagonal light spot, 14 mm. Members of the audience sent up various objects to be handled by Peter. The mineral corticoids are such compounds as desoxycorticosterone and electrocortin. It looked to be a room some twenty by forty feet. Because of its similarity to the shape of a spike this component of the electrical impulse is called the spike potential. 328, Readings in Perception, Beardslee and Wertheimer, Eels., Van Nostrand, New York, 1958. This latter is the key to the direction taken physiologically both by the Shaman and the Yogin presumably the source of supply for the ancient Egyptians-their land of "Punt" is allegedly Somaliland. Meduna, op. The findings of these ten trials can be summarized. Johannes Greber, Communication with the Spirit World, Macoy, New York, 1932. Again, I floated upward deciding to visit my two friends Boris and Lomar. If there is any description that is adequate it is that the Yogin now realizes himself as a nuclear mental entity which is able to control the physical dynamics of his body, and is able to move freely as a mobile center of consciousness independently of his body. As we have noted earlier, an increased potassium concentration on the inside of the plasma membrane is a vital factor in maintaining the voltage potential of the nerve at a high level. If there is no effect, the people who are present get very nervous, for the Shaman may not return at all and thus die. Garrett and myself. Garrett would not have received the telepathic message. Beckett, "Control of Air Ion Density in Rooms," J. 281. The photo emulsion is made of tiny grains of silver halide. For example, the alcohol consumed by the Shaman fir.lt depresses the inhibitory cells, which results in a certain amount of excitation. They are chiefly esters, alcohols, aldehydes, ketones and hydrocarlmns. The assistant really helps direct the Shaman's mental process by asking him questions which are only partially perceived by the Shaman, who must not be brought back to complete consciousness. The Shaman also uses certain drugs26 which are known to be depressants of the central nervous system. of the human body to the problem of the expansion or separation of the nuclear mobile center of consciousness from the body. The assistant must also interpret, for the Shaman does not remember what he has said when the ecstasy is over, and the persons who are not experienced cannot understand him. 3) The state of consciousness in sleep when there are no dreams. It looked like a cloud-like luminosity. The four subjects made a total of 41 correct guesses in 351 trials in test n. The simplest posture is one in which the Yogin sits on a mat or an animal hide on his haunches. Another line of explanation lies in the known inhibitory effect of an excess of either acetylcholine or adrenaline. Fukari, Clairvoyance and Thoughtography, Rider & Co., London, 1931. However, in Yoga, as practiced in India, "inner heat" is definitely cultivated and used to reach a stage of luminosity in which the mind is flooded with the glory of colorful experiences. "The action of carbon dioxide on the cortex of the brain has been studied in man through the use of sensory tests. We see mind going through a network of other minds and reaching its goal with a high degree of selectivity. Hayes, however, was so sure of her vision that she arose and placed a telephone call to the college. He was entel:tlrising enough to go ahead with the experiment, but I could see grave doubts and fears written all over his face as the experiment began. Grey Walter, The Living Brain, W. I took her blood pressure and found it to be twenty-five points lower that "I see an image that is symbolic of the head of the government of the United States, and there are many lines connected with it." The film was developed in sixty seconds. In order to get this increase in voltage pressure behind a synapse we need, in addition to increase in the amount of cholinergic substance to stimulate the synapse. -pupils react to light. This time the camera was held by myself in a room illuminated by several sixtywatt light bulbs. The critical ratio is +2.39, and is considered statistically significant at the 1% level. of increased intuitive awareness. Now there are some peculiar properties of the synapse which are different from that which we ascribe to the nerve cell as a whole. These are slowed down from a normal rate of approximately thirty beats per second to an alpha frequency of eight to ten beats per second. just lines." In trial number seven I held a camera in my hands in exactly the same position occupied by Hurkos previously in the dark room. Travels of Marco Polo, Trans. Individuals who have been subjected to prolonged oxygen deprivation may suffer a loss of mental capacity and become, from the point of view of consciousness, mere vegetables thereafter. I sat up, smoked, and thought over the whole thing. J., Proc. An increase in capacitance of the plasma membrane means that each individual nerve cell is capable of carrying more electrical charge and releasing this in a slower graded rhythmic form. As a matter of fact, it was about twelve hours before her son was able to reach a phone and telephone her. He silently handed the camera back to me when he had completed the period of concentration. He then voluntarily returns to the dan when he feels he has some mastery over the spirits. 111), we might expect some penetration of the technique of Yoga, this power to place the body at any required balance between adrenergia and cholinergia or a preponderance of one system over the other. We can simplify our entire problem of understanding the biology of the ritual of the irrational of the system over the other. the assumption that the principal goal is to decrease the frequency of biological rhythms. While gazing into this tranquillity he could accurately describe by extrasensory perception physical scenes going on thousands of miles away. I speculated this might have been a trip to some other time and that I simply was going around and invading bodies whose conscious mind is weak at the moment, thus permitting me to 'get in and out' due to this weakness.u This was the most unusual 'non-inhalation' experience is not getting out of the body as in the TUngus Shamanism, but it is the production of an inner heat which leads to a state of inner illumination. No one was injured in this accident. I saw my doctor leave his patients and come very quickly, and heard him say, or saw him think 'he is nearly gone.' I heard him guite dearly speaking to me on the bed, but I was not in touch with my body and could not answer him. Reko. These mental controls constitute an art private to each individual, and differ perhaps very little from the ordinary methods of mind control that each of us, either consciously, uses in his daily life. I stood there trying to move upward, I got the definite feeling I had to move up, very far up; with 'someone' holding on to me, I tried to 'take off.' At first nothing happened, and I became worried. Th.erap., 1: 275-87, 1909; "The Distribution of Hemolysins Agglutins, and Poisons in Fungi, Especially the Amanitas," ibid., 2: 28~18, 1911. In general Bob's experience did not admit any obstruction in travel by any of the known physical structures. On November 6, 1959, Hurkos was giving a demonstration of his talent before a group of three hundred Naval Reserve Officers at Charleston, South Carolina. Therefore I assumed that in this instance his vision had some special significance for him. Following the cramps, for a period of a half hour, she had had three watery stools in rapid succession. Apparently Hurkos received intelligence about a situation several thousand miles away which was not known by the owner of the dog. 4) Erotic madness, inspired by Aphrodite and Eros. These two conditions plus his determination to fight his way out of this could only result in a massive activation of the sympathetic nervous system. The Yoga Sutras of Patanjali, Tr. by Rama Prasad, Sudhindranath Vasu, Allahabad, 1924. In cats, the administration of 15% carbon dioxide increases resistance to camphor convisions, and if camphor convisions are already under way the carbon dioxide will stop them. 30--50 Seizures may occur with: -conjugate deviation of eyes. "After this performance the Shaman sings a rather long time. Hayes said to her son when she heard his voice was, ...Did you have an accident? However, there are limits on both sides, namely the Shaman's state must not turn into an uncontrolled hysterical fit, 13 and he must not suppression of the doubles (spirits) 14 nor render a freedom to intuitive thinking. b For a comprehensive review of the work of others in this field see: Progress in Neurology and Psychiatry, Grone & Stratton, New York, Editions of 1949, 1950, 1951, 1952, 1953, and 1954. There are some general changes that occur in the ritual of the irrational (after having reached the stage of general resistance), following exercises such as we have indicated the Yogin does. In both cases the senders were under tension. In Europe it made its appearance a little later than in Russia. I did not feel tired, or anything unusual, and after awhile returned to the main house. His hands are relaxed across his knees and various positions are assumed by the hands themselves, the basic one being with the palms placed upward. The outside conductor has the properties of an anode, that is, positive charges will migrate toward it. It belonged to three people. This would look somewhat like a thermometer bulb and stern. Tilis maneuver was futile, he only burned his hand badly. 2) When an infra-clinical attack is provoked there is seen a brief outburst of electrical activity predominantly in the temporal cortex with the character of a "K" complex. A simple instance of this occurs when one person, the sender, turns over one at a time an ordinary deck of playing cards while the receiver, who is in the other room, tries to tell whether the cards are red or black. The drum is usually a loop of wood which has the general shape of a frying pan including the handle. The drum is the single most important physical technique in the ritual practice by the Tungus Shaman. I must make it clear that I had not been in touch with Dr. Wilson for about six months and was not at all familiar with his movements. I would get the feeling that I was being wound up tighter and tighter, as if something were being speeded up faster and faster (my pulse stayed the same, and I had the definite knowledge that I overshot the 'point'), and I was doing nothing more than getting a jag.5 This same incident occurred many times during my experimentation with exactly the same results. dance floor, and they seemed to be waiting for announcements. One of the first things that Mrs. Sullivan himself had not been informed of resumption of the first compartment into the second compartment, which is essentially the fluid medium which exists between the vascular system and individual cells. Morgan & Stellar, Physiological Psychology, 2nd Ed., McGraw-Hill, New York, 1950, p. W., The Super-physical, Ivor Nicholson & Watson, London, 1937. Here we have a case where Hurkos not only got knowledge that was in the mind of the owner of the dog in the sense that the dog had the affliction connected with the limping. This ritual is to be distinguished from that type in which certain external systems (as for example, cards, symbols [astrological], etc.) are manipulated, rather than the state of consciousness, in order to achieve communication or intelligence. Quoted from Paul Miller, Science in the Seance Room. 735-38. This demonstration set me to thinking as to whether or not Harry was actually following the entire thought process5 of the person who had hidden the object I determined to test this in a number of different ways, and the first was to ascertain what it was that Harry was responding to. SYMPATHETIC 1. Tills gave a critical ratio of -0. It is this difference in ion concentration that gives rise to the voltage difference in ion concentratio that Bob's initial experiences with the inhalation of ethyl ether can be divided into a number of groups. In striving to achieve mastery over the random external noise of the mind, and the random external noise of the mind whose origin lies in physical sensations, the Yogin moves through a gradation of controls. He said that it came from the ruins of Pompeii, in Italy, buried in 79 A.D. in the ashes thrown up by the eruption of Vesuvius. Heron, Woodburn, Doane, B. Air, as is well known, is composed of 20.9% oxygen, 79% nitrogen, some rare gases, and some pollutants. Alain Danielou, Yoga: The Method of Reintegration, Christopher Johnson, London, 1949. Adrenaline we normally think of as an excitatory agent. the fonn of these images being dependent upon the nature of his mind and his psychological history. Einstein bounded the world of mass and massless entities, as George Cantor's research into 00 led to a distinction between ordinal and cardinal numbers. In general the fluid tends to remain at a constant level in the intracellular or third compartment. The mind can only develop in the face of the proper degree of resistance, and at this stage it is the physical realm that provides the proper degree. The rope with a ball on the end is thrown over the cable. with the study of the socalled postures.4 Physical posture is a fundamental technique in Yoga. Tills work contains an exc: ellent bibliography of 360 references up to this year. The First Experiment," pp. The first includes those techniques which activate adrenergic processes which would nonnally result in an epileptic seizure. He has published a short account of this experiment in his book, Beyond Human Knowledge, Pageant Press, New York, 1958, p. I opened my eyes, fully awake and conscious, and looked around and everything seemed normal. The effect is arrested by atropine, injected either into the ventricles or hypodermically. See: Page, Irving, Chemistry of the Brain, Williams & Wilkins, Baltimore, 1935, p. The control test (room) was done under normal room conditions without an ion generator. 2) That perception, which is absent in high carbon-dioxide as well as in barbiturate anesthesia, is only possible if afferent discharges to the cortex persist from peripheral receptors and from the hypothalamus. It must be noted that Art himself was not influenced toward this mode of suicide because neither Peter Hurkos nor his brother Jim ever conveyed this vision to him before the suicide attempt. Harry had the uncanny ability to find a small object hidden in a room. Crisis cases like this impressed me forcibly as I observed telepathic senders in the laboratory. It was given to him, and it was repaired. The Shaman and the Yogin start essentially from the same point, personal physical hardihood and athletic vigor. Now we notice that under voluntary control he has localized the low-frequency vibrations to his head, and that their power increase is evidenced by the sensation of a "roar-rumble." This is an important description of the psychological control of separation of the nuclear self. They interfere with mental capacity quite considerably. She said that she had done this sort of thing as a game when she was a girl of twelve or thirteen. This manifests principally as a decrease in eosinophils, lymphocytes, and an increase in the polynucleocytes. 654. While working with Peter Hurkos I observed that he seemed to have an abnormal fear of electricity. 'Don't forget me, Frank and Lillian would.' I see writing on a photograph. For example, he creates the image of a tree in his mind from memory. It had to do also with water. It has been shown especially in the case of Manchu Shamall5, and also of Goldi Shamall5, according to the descriptiol15 of I. "In the dicyclic terpenes we have pinene, camphor, camphor, camphor, camphor, conteracts. Unified field theory-the quest of Albert Einstein's later yearshas returned us to the awareness that sdence too has its god term. LXI, p. Although he is sitting up straight and his mind is intensely alert, all his muscles both voluntary feel at perfect ease and are relaxed. The Tungus of Siberia inhabiting the basin of three great rivers, namely, the Enissy, the Lena, and the Amur. After testing this several times, I 'brought' them back into place, and diminished the vibrations. For a broad disc: ussion of researches which cover the important later work see: CIBA Foundation Symposium on Extrasensory Perception, A. The Yogin also subjects himself to great extremes of cold in order to condition his body to this form of stress. 187. In the afternoon, I lay down in my office, and after a few minutes of relaxation, there was what seemed like an explosion-quick roaring sound, a feeling of detonation. My physical body was lying face up, and I had floated down facing downward. Jim was very disturbed by this pressure, and would have been glad to be rid of the whole problem. Gerhard von Bonin, Essay on the Cerebral Cortex, Charles C Thomas, Springfield, m., 1950. Success in this test is measured by the number of sheets which the candidate can dry. Enke, Stuttgart, 1949, mistakenly identifies the Mexican "Mexican" variety of the Amanita. I am informed by the Wassons that the species of mushroom thus far discovered in Mexico are not those of the Amanita, but are of the genus Psilocyhe, and two species of Stropharia, and Conocyhe, hitherto unknown to science. II. I have frequently followed her into the cabinet and have sometimes seen her and her medium together, but most generally I have found nobody but the entranced medium lying on the floor, Katie and her white robes have instantaneously disappeared." Cases like this could be multiplied many times,6 but this one is sufficient to answer our questions as to whether the nuclear mental entity, or a psi plasma, can affect a photographic plate as in the telergy of a sensitive like Hurkos. I thought I would try a little of its power. The psychometrist was able to get a high percentage of correct impressions of the pictures viewed by the Agent. There are many contemporary instances of individuals who have gone through the ordeal of fire. I was really cross when he took his syringe and rapidly injected my body with something which I afterwards learned was camphor. I noticed that the visitor went to four different places thinking he might hide the object there, but finally dedded on a fifth place. Sorokin, The Beacon Press, Boston, 1954. She had not wanted to distub me until the experiment was completed and had asked the operator to hold the call for a few minutes. & Exp. 3, No. 2, 1955, p. Watkins, London, 1949. It is well known that cold adaptation, exercise, and dehydration elevate the body temperature. Goodman, "Pharmacologic aspects of Adrenergic Blockade, with special reference to Dibenamine," Fed. It was about 5:30 P.M. "Usually when he quit work there, he went straight on to Route 128, the super-highway around Boston, and on home to Stoneham in the north. Dr. Rudolf von Urban,. I have often wondered what would have happened if I had let go of the power when my hand was stuck elbow deep in the floor? Again a feeling of speeding rapidly through space and then I opened my eyes and I was in a strange bed. Printed in Peking China. 14. The doctor thinks that it is some sort of an arthritis. It would appear that Miss Ward had a clairvoyant vision of her sister which was transferred to her immediate surroundings. He sat down and began thumbing through his morning mail. 19. He goes to school and follows such a route through the streets. Therefore we expect to find in his plasma membrane a general decrease in a, an increase in capacitance, with L remaining constant, or showing an increase, if there is an increase in the paramagnetism of oxygen. "Where are you going?' asked Darmy. It seemed as if somebody who was quite friendly opened that door and was amused at the soaring on my part, as if a friendly understanding teacher was letting a child out to play for a while because he was too restless to concentrate. However, in observing senders over many years I have foim.ed some opinions as to his role in telepathic interaction. The surface of this bulb-ended tube is the all-important functional component of a nerve cell and is called the plasma membrane. It is difficult to escape the conclusion that mind at certain levels of operation is ubiquitous and can pass through the barriers of the physical world around us. This also holds true for what is known as the cataleptic state of consciousness, and this is the one exercised in the state of being buried alive. Garrett, via her control, guess the moment when an electrical charge of ten seconds' duration was placed upon the walls of the copper-screen room. Dutton, New York, 1931. This conclusion is fortified by the total series of 3360 trials of guessing skill. In general both the Shaman and the Yogin dehydrate their body before any great excursion into their unique mental or spiritual world. Control of respiration is one of the fundamental techniques of Yoga and from it are believed to stem many of the higher mental and spirttual powers which are necessary in order to attain personal independence. The number e is based on the integer 1 arranged in the series: 1 1 e = 1 + T + (1 + 1); (1:-,+c-,1-);+;(:-:-++:1-) (1 + 1) + (1 + 1)+ 1) etc., or this can be expressed as: e = 2 + 1 + 1 + 2 + 3 + 3 + 4 + 5 + S etc., or The number ten. If hallucinatory activation is dependent to some extent on an inhibitory effect on cerebral synapses (and this matter has not been entirely settled yet), we can argue that the excitatory phase of the ritual of the irrational sets the stage for an inhibitory process. The nuclear mental self operated as a mobile unit and was able to observe the body in which it had formerly been intimately locked. They collected several hundred people and a Fakir to put on the show. These exercises are long and arduous but in them the Yogin learns not only to control delusion and hallucination but he also learns how to manipulate the "stuff" of the mind. For example, a viscerotonic individual according to Sheldon's5 classification of temperament is in a state of mild cholinergia. Here we have an instance of an auditory response, added to a visual response emanating from an apparition. On successive visits to the same place, the place was completely empty, or the same condition existed as on my first visit. This experiment clearly reveals the mind's potential as an action center. In the first place, he was working physically on a hot day. Having conquered the random flow of all forms of hallucination in his mind he then goes on to more fruitful endeavors and develops his abstract imagination. It soon becomes evenly distributed throughout the body water. Many workers have shown that negatively ionized oxygen exerts a beneficial effect on the organism, such as slowing respiration, Ba and lowering of the blood pressure, Bb and a feeling of mental alenness and general well-being. Be Negative oxygen ions increase the action of the cilia in the respiratory passageslld which are responsible for keeping it free of dust and other noxious particles. His instability is not necessarily that of an epileptic, but is the kind often found in brilliant minds which emotionally and mentally leapfrog from one state to another, vecy often to the discomfiture of those associated with them. So far as I can remember, this is all the information I have ever had concerning that little jar." Dated May 10, 1958, signed C. However, Shamans sleep with different purposes. Nothing out of the ordinary happened for a while, not even dizziness. 4. --"Inhibition at sympathetic synapses," Am. 1. This is usually maintained by the assistant who is in such rapport with the Shaman in the proper framework. We could attempt this by having the nuclear psi plasma enter a weakened person's body, and then getting the "invader," as per previous instructions, to cany out an act to prove that he was there. It was found that Harry invariably first went to the place where the Agent was trying to divert him. It must be emphasized that in carrying out such exercises, particularly on the autonomic nervous system, the Yogin is able to release adrenergic chemicals at will and to the degree he desires, as well as to release the cholinergic chemicals to any degree necessary for his purposes. The chief purpose of these exercises on the voluntary muscular system is not so much the athletic feat itself, but to guarantee that the mind at least can be the absolute master of its own means of locomotion. Secondly, it must be noted that Peter got his vision, and correctly ascribed it to Art Middleton, some short time after Jim had become aware and was of course worried that his brother was ill. When I found the proper dose the following effect occurred. There are two persons at home. The son obviously experienced a sudden adrenergia as his car plunged over the washout. Except for the bandstand, the room was

dimly lighted, and cigarette smoke drifted across the lighted area on the bandstand. They felt outstretched, and I was surprised when I looked, because there were my real arms still folded. For experimental references see: AS.P.R., XLVIII, No.4, 1954, p. A divination with a drumstick is once more performed. They were not unfriendly, but again I was sure this was not the place for me, I wanted to get back quickly to my own body, and again the feeling was that it was somewhere far far away. The first symptoms of this are a tingling in the extremities; such tingling is due to rapid and erratic firing of the nerves in the skin at a high frequency. Many of them chew it directly, taking care not to swallow it. We see mind extending outward with invisible threads to blanket hundreds of minds at one time to bring about a common or mass hallucination in the group. 113. We should therefore look for a self-developing pulsating structure, i.e. one which is extended or strengthened in the course of the potential cycles which it records and facilitates With Lamar on the phone, I asked the simple question. It is obvious that Mr. Huxley had finnly in mind the koowledge that the photograph Peter was handling was of his son. This has led to the inclusion of two difficult chapters (Chapters 10 and 11). NOTES Chapter 9 1. This is not strictly speaking one of the techniques of Yoga, it is merely a foundation for any future development in Yoga, and it is assumed that the Yogin achieves such physical hardihood and the ability to create "inner heat" From here on there is a single-pointed technique which is followed throughout all subsequent stages of development This can be summed under the heading of "Concentration." The beginner in Yoga assumes one of the traditional sitting postures, and placing a candle before him, attempts to gaze at it with fixity and steadfastness. M. There are other concomitants of Yogic pranayama. During the course of the thirty minutes, six such charges appeared. M., Man the Maker, E. "Kaufman and associates (1947) administered 40--150 c.c. of 10% alcohol over a period of two to three minutes in sixteen patients. The entire demonstration was carried out in silence. It is apparent that a general conditioning of the Body over a period of time must occur. Evans-Wentz, The Tibetan Book of the Great Liberation, or the Method of Realizing Nirvana through Knowing the Mind, Oxford, 1951. As soon as the attendant had torned his back Art smashed the glasses on the floor, picked up one of the larger pieces of glass, and slashed both wrists. Shamanism may exist only in ethnical units among which there is a need of treatment of hannful mental conditions in a particular form affecting a great number of people. I cite this experience merely to illustrate what I believe the Yogin attempts to achieve by the exercise of concentration and rhythmic breathing, which I believe culminates in the proper state of cholinergia. His mother on the other hand was asleep and relaxed. Andrija Puharich is a neurologist. With massive doses which lead to poisoning there are of course all the symptoms of massive activation of the parasympathetic nervous system, nausea, vomiting, diarrhea, etc.; the mental state is that of extreme hallucination (the kind depending on the psychological history of the individual) and this can lead to the subjective experience of a mobile center of consciousness. He reached over to the telephone and began dialing Bill's number. Eye-Popi constricted; circular fibers of the ciliary muscle contracted, causing spasm of accommodation which focuses the lens for near objects; fall of intraocular pressure, if this is raised from occlusion of the pupil. One of them has formulated it more specifically: "All people present help me to go over to the lower world."15 We have seen that the audience is also influenced by the Shaman so that a cyclical current of influences, first radiated by the Shaman, then reflected back by the audience, is intensified until it reaches a level maintaining the proper state of excitement. It is interesting that Bob was able to realize that much of the imagery which he encountered in his mobile center of consciousness experiences was a product of his own imagination, and that he could set these up, or take them down if they appeared to block his way. When the parasympathetic neJVous system is activated there is an increased amount of acetylcholine released into the nervous system. I had studied Peter Hurkos for a year in the laboratory in Maine. In this latter case balding would follow the exhalation phase where the holding refers to holding back air from the lungs, the muscles that control the gastro-intestinal organs and the excretory organs. And yet in this case Miss Ward's sister, while in great pain, was fully aware of herself remaining in her own room. The lower right comer of the film showed a sharp image of a white light about 1 nun. 4 "Mrs. The author wishes to thank the officers and staff of this corporation for their generosity and co-operation in this experiment was carried out at the Riker Laboratories, Northridge, Calif., and I wish to thank Dr. Edwin Hays, the Director of Research, for his co-operation in this experiment. This was arranged in due time, and Crookes worked out the technique that would be the least harmful to the medium. It is perhaps puzzling to include a third person into this simple telepathic relationship and look upon him either as an unconscious relay, or an unconscious tuning mechanism, or an amplifier of the telepathic signal. Tiris he carried out as directed. This occurred on a Saturday. In the body all other effects are generally overshadowed by its action on the nervous system. I see it, just like a film. I have gone beyond this inside experience and outside observation and summoned all my scientific acumen to rationalize the anatomy and dynamics of the mind I have ttied to relate the facts of biology and physics. In general, during rhythmic Yogic breathing, the diaphragm is kept at a tense level. quoted examples is that of swallowing a long bandage and propelling it through the entire twenty-eight feet of the gastro-intestinal canal and having it emerge at the rectum. Coronary Vessels-Constriction. We have not as yet mentioned the intimate dependence of consciousness on the chemical oxygen. Having learned to control the substance prana by mental operations alone, the Yogin goes on to the state called meditation. Five complete sets of photographic apparatus were accordingly fitted up for the purpose, consisting of five cameras, one of the whole-plate size, one halfplate, one quarter-plate, and two binocular stereoscopic cameras, which were all brought to bear upon Katie at the same time on each occasion on which she stood for her portrait My library was used as a dark cabinet. The latent image is amplified by a subsequent chemical developing process which reveals an image that has a one-to-one correspondence with the person originally photographed. E., and Greenwood, J. Here we have an example of the cholinergia becoming massive (as evidenced by diarrhea and abdominal cramps), as in the case of Mrs. Bijleveld, Utrecht, 1957. Our second case is reported by Sir Auckland Geddes. His neck is bent forward so that his chin touches his chest. The sympathetic nervous system. I worked at this phenomenon most intensively with Peter Hurkos. The adrenal medulla is the source of a large group of compounds, and the adrenal cortex is the source of a large group of compounds. The managed to work his left hand up along his body to the shoulder and, wiggling his fingers, tried to get some of the dirt to fall down between the pipe and his burning shoulder. When the noise of the outside world dies down he suddenly becomes aware of the internal noise of his body. means by which he reaches this realm. In the third stage he is dead drunk and unconscious. We have seen that fasting is a fundamental practice in the ritual of the irrational. If such exists, and if we are to accept the many experiences and experiments cited in this direction, we should seek to gain an understanding of the techniques which have been used to activate the psi plasma in the achievement of telepathy, and to isolate the nuclear psi plasma for the purpose of achieving the state of a mobile center of consciousness. Therefore, allowing for small variations in the recording of time at both ends, we felt sure that the phone ring on the tape was due to Dr. Wilson's call. The tempo gradually increases and the replies become more and more persistent and louder. The end purpose of such exercises is to induce a state of complete relaxation of every muscle in the body. Essentially, the difference in conditioning between the Shaman and the Yogin is only one of degree and their separate approaches can be lumped under one heading, namely that of stress. The author was also informed by certain Brujos among the Chatino Indians (living in Southern Oaxaca) that they used the Amanita muscaria for hallucinogenic purposes. Shamans all use telepathy and communication at a distance to a greater or less degree, but use different methods to attain it Some may do it in their dreams, during ecstasy, or in a normal state of concentration or "desire" in which they simply think strongly upon the object of their intent The interesting point in these cases is that the Shamans say they "send the soul" with a communication. Puzzled, I went to bed and slept "I repeated this inhalation experience a number of times thereafter. The ray appeared to be nondirectional, in that he never could decide whether it was entering his body or leaving his body. Immediately the vibrations and a familiar deep pressure rumble came into my head and I closed my eyes. Whether we regard this as an hallucination, or the independent existence of a nuclear mental entity, we certainly have an answer to our basic question as to whether or not the appearance of an apparition is necessarily dependent on a living physical organism which has the same form. Of course, the Shaman uses common methods to exercise his leadership, that is, simple logic and intuition. "1. A critical evaluation of Hettinger's researches is given by Christopher Scott in Proc. There was no leather brass-trimmed dog collar in the box; in this respect Hurkos was wrong. The induced central-nervous-system and the medullary centers as well as the cortex. It is my belief that there is some evidence in the Rig-Veda that the Amanita muscaria may have been used in the ritual of the irrational to produce ecstasy. Carbon dioxide when administered in such increased pressure is known to result in hallucination, feeling of expansiveness, and eventually leads to unconsciousness. 268. Crookes was not satisfied with his visual observations of this apparition, and demanded of Katie King that he be allowed to photograph her presence. We found that each of the five test films showed an activation of the film as though it had been struck by light rays or photons with a result of stress and as a result of stress and as a result of the film as though it had been struck by light rays or photons with a result of stress and as a result of s necessary amounts of adrenergic compounds. There are several reasons for this. Met-calf, "Amanita Muscaria in Maine," Science, 61: 567, 1925. Art then said that he could not read the newspaper without his anatomical system, and particularly those centers which control autonomic function. He made eight different trials on eight different trials and mental control over all the ltmctions previously cited. First of all, he must have the ability of doubling, even perhaps splitting, personality, he must know the method of bringing himself into this state as long as it is required for the practical purposes of the performance, always considering the aims of the performance. NOTES Chapter 5 1. It is here suggested that the same process which bdngs about self-excitatory discharge in the neuronal cells of the temporal cortex may be responsible for augmenting the alpha activity of the neuronal cells of the occipital cortex, or whatever structure is involved. At this time she and her playmates had been successful in getting a table both to tip and to emit sounds in the form of raps. We have earlier stated that a deficiency of carbon dioxide in the blood leads to an alkalosis of the blood. A third group was further definable as those people in whose EEG's no significant alpha rhythms are found, even when taken with the eves shut and the mind idle. An African rite requires a stone to be plucked from a container of boiling oil. Yoga calls the control of respiration Pranayama. 6 This comes from the word for breath, Frana, and the word for pause, Ayama. He writes as follows: "I wish to write it down in the event I, for some unknown reason, or unforeseen one, cannot repeat it in the future. A fungus toxin has been isolated (from the amanita) which produces symptoms of the central nervous system in the cat, but has no effect on the gastrointestinal canal, the pupils. Shlrokogoroff, S. It was stated that this vowel, produced in this manner, was supposed to activate the ...solar-plexus" center. I think it is fair to assume that the dog suffered some shock when bit by the car. Gradually I realized that I could see, not only my body, and the bed it was in, but everything in the whole house and garden, and then realized that I was seeing not only 'things' at home, but in London and in Scotland, in fact wherever my attention was directed, it seemed to me; and the explanation which I received, from what source I do not know, but which I found myself calling my mentor, was that I was free in a time-dimension of space, wherein 'now' was in some way equivalent to 'here' in the ordinary three-dimensional space of every day life. It is the author's opinion from the observation of humans in light trance that they present a form of the psychological state described for mild Amanita inebriation. I remembered having dental work years back, and while waiting for the dentist to finish another patient, I experimented with his 'auto feed' nitrous oxide machine. I then moved my arms, which were folded across my chest, and held them to one side outstretched, as I lay on my side. In the test series the subject had his turn at the computer at an average interval of 41 minutes after eating his mushrooms. 2, No.1, 1953. 5, No. 2, "Can Telepathy Penetrate the Iron Curtain?" See Appendix A. It illustrates the fact that as soon as we know that our inhibitions are of our own making, we are in a position to remove them by a simple act of will. I seemed to be able to go no further until I thought, and realized, that these were not branches and wires obstructing me, but were instead some sort of power or force field. Y. Meduna, who developed this technique, claims that a series of such treatments restore highly neurotic individuals to a stable, relaxed, and useful state of being. Ward. Yet you bave only to look at the blue sky, relax your mind, and you will ditecrly observe the flow of myriads of blood cells in the fine vessels of your eye. The negative film showed an 8-nun. Among his experiences which have not recurred too often was the sense of a line force, or ray, making a certain angle with his body. 16-50. and her husband had gone to bed, but she, wrapped in her dressing gown was laying on the outside of the bed, waiting to attend to her baby which lay in a cot beside her. I then was sure I shouldn't stay here any longer, and despite their objections went out a door into the open ait. Nora K. This figure is based not on an increased utilization of oxygen by the brain, but rather on the increase in carbon-dioxide content. I decided to try to 'lift up,' and I floated off the couch (mentally only, I assume, since I had no witnesses). During this exercise his oxygen consumption was measured. The Shaman increases the carbondioxide content of his blood by his dancing and exercise, and by special means of breathing.25 He probably not only maintains a relatively increased pressure of the carbon dioxide in his system. Kitselman, aided by technicians of the Clary Corporation. 5-22. When the Shaman raises the cup of vodka (ethyl alcohol) to his lips, he has reached that stage of the ritual where his organism is approaching a peak of activity and excitement, and the alcohol adds one more pulse to bring him to the peak before its depressant effects close in on him. I looked to where they felt they were, and I saw the shimmering outlines of my arms and hands in exactly the place they felt they were. Not proud. Carbon dioxide in modem psychiatry is also used therapeutically, especially in the neuroses and some of the milder psychoses. A photograph is being taken of a person. The drwn beat creates a pulsed sound wave which exercises rhythmic auditory stimulation and its accompanying rhythmic pulsing of the central nervous system.27 Very often the use of the drum is modulated by hand clapping, singing, or other forms of interrupted sound. There is much debate among neurophysiologists as to whether the nerve impulse is primarily an electrical conduction phenomenon. What particularly interests us in this story is the function of Jim as a relay between Art Middleton in the Southwest and Peter Hurkos in Maine. Following the monk and stepping quickly, and as he thought, lightly, over the coals, he was able to pass through the long pit without suffering any bums. Thanks to the work of Selye and many others there is emerging a sound concept of what occurs to the body under the impact of either physical or psychological stress. Since in the trance state her control, Abdul Latif, bad said that the production of the vowel sound E would activate the solar-plexus center, I casually assumed that she had been unconsciously influenced by this statement of her alter eqo. At the time that much of the subject's past history is transferred to the film, some bits of his future history are also added to this record. When we take a drink of alcohol our initial reaction is one of excitement. He has been able to heat iron to its melting point of 2795 degrees F., and plunge his fingers into it without suffering any burns. The increase in frequency of cortical strychnine spikes occurring during the inhalation of 10% carbon dioxide is due to subcortical discharges. He then entered the door and usually paused for a few moments, apparently concentrating. The feeling was that of some slight warmth, a very low frequency vibration in the lower part of my body, a sense of relaxation, 3 and a knowledge that this was some form of communication. These works inspired William James to seek the same experience, and the result was his monumental work, The Varieties of Religious Experience, Longrnans, Green and Co., London, 1908. 7 Ecstasy is used in the original Greek sense of "being outside of one's self," rather than the current use of ecstasy as being a state of thrill or excitement. When these centers are paralyzed, the cruder instincts have their way, and behavior becomes more spontaneous, more childlike, and less critical. 201 et seq. Johnson, Raynor, The Imprisoned Splendour, Hllller & Brothers, New York, 1953. This gives us an idea of the large network that telepathic interaction can assume. H. In this case audiences laugh when they see a drunken Shaman. It is an exploration of the personal world of your owo mind. NOTES Chapter 2 1. The greatest increase is found during sleep and in certain states of anesthesia. For effect of fasting (hallucinogenic) see: D. Small quantities are excreted in the breath and urine, but most of it is metabolized. Shamans use special techniques not only to bring on the state of ecstasy but to maintain it. Experiments with conditioned reflexes are depressed more easily by alcohol than excitatory reflexes are depressed more easily by alcohol than excitatory reflexes. volume transmission. There was no noise, no rumble-no warning-as tons of earth, clay and stone fell upon him from behind. Eight of the ten individuals thought they saw the head of a man in this image. Soc. 222. It's hanging, the wrist is cut and there is blood coming from it." I was startled by this abrupt interruption of my reveries about the northern lights. However, he also uses special methods for an intensification of perception, imaginative thinking. Ecstasy is usually thought of as a state of madness in which an individual is "beside himseH." 1bis means that the locus of consciousness is no longer strictly centered in the body. plant, 12 and brings the plant near the Shaman, that he can breathe the smoke. This is called critical damping and is very difficult to produce by artificial means. The wigwam used by the Tungus is similar to the familiar coneshaped wigwam of the American Indian. can best be brought out by a selected series of cases. For reports on the psychometric ability of other sensitives see: Osty, Eugene, Supernormal Faculties in Man, Trs. Amadeo S. It is very difficult to artificially bring on a true crisis adrenergia2 based on a feeling of flight, fright, or fight However, the opportunity eventually arose to test this notion. It occurred to this group that if Mrs. The aetheric structure provides the linking mechanism between the object, and the psychometrist's mind. This raises the enormous question as to whether what we call memory can exist outside of biological organisms. -torsion of bodyhomolateral. They express their joy that the Shaman has returned from Buni-the world of the dead. B., Bodily Changes in Pain, Hunger, Fear, and RD.ge, Appleton, New York, 1920. and which have been done by others, using the stimulation effect of a flashing light. Tills activation of the skeletal muscle system alone is sufficient to induce a mild state of cholinergia. In general the parasympathetic causes blood vessels to dilate and relax, whereas the sympathetic causes them to constrict. However, for the Yogin, sleep is not a state of unconsciousness, he is under all of the influences that we each personally know during sleep, with the one exception that he maintains an alert consciousness within this state of "sleep." However, the true Yogin does not begin with the stages and exercises which we have just described. "According to the Tungus idea, they produce various sounds, they produce various sounds, they produce various sounds, they produce various sounds, they produce various sounds are immaterial, they cannot be seen unless they take a special form, they may influence physical bodies, they produce various sounds, they produce various sounds are immaterial, they cannot be seen unless they take a special form. emotional excitement, etc. We can look at telepathic networks from the opposite point of view, namely, where there are multiple senders and a single receiver. = A This is illustrated in Fig. Garrett made two correct calls, or hits. In the Garrett-Wilson story we have a third party interposed between the sending and the receiving function. "Concentrated, but not dilute, alcohol taken by mouth, causes a reflex stimulation of the medulla by irritating the mouth and throat." Gaddum, op. Are you well?" Her son replied that he was well, but how did she lmow that he had had an accident? Adrenaline, when introduced into our three-celled system, works principally as an inhibitor of nerve-impulse transmission across the synapse. Result of a Year's Research," J. The 'messages' were coming so thick and fast that I couldn't seem to get through to anything. In this process it is most important to note that he avoids illusion and hallucination completely. Still another control was attempted in trial number nine just to make sure that the images somehow were not due to some factor which hadn't occurred to us. The first was that of a state of inebriation unlike anything I have experienced from any other chemical, including alcohol. The entire mental flux reduces to a single point, i.e., Self. It has been calculated by Aschheim1 that the effective thickness of the plasma membrane is of the order of 1.367 Angstrom units, or a centimeter divided by one hundred million. Thus the spirit is like the human being." 15. The stimulant effect of camphor on the medulla and respiratmy center is good insurance against the depressant effects of the alcohol and nicotine. Very often during the second part of the ceremony the Shaman acts out the combat from which he has just emerged victoriously with some demon or denizen of the underworld. On the basis of these indications that intuitive capadty is increased in the presence of a mild degree of cholinergia, it was decided to put the question to a critical test. This is the effect of the pressure of carbon dioxide in the blood stream, and on the nerve cell itself. In 1958 Mr. W. Hull observed an increased steadiness of manual movements, and increased steadiness of manual movements, and increased steadiness of manual movements. to truly understand what it is they are talking about. Beyond Telepathy By ANDRIJA PUHARICH With an Introduction by Ira Einhorn Anchor Books ANCHOR PRESS/DOUBLEDAY Garden City, New York 1973 Beyond Telepathy was originally published in hardcover by Doubleday & Company, Inc. Loomis, W. Shirokogoroff does not give us any information as to the drug that may have been used before the introduction of tobacco. 2) Telestic or ritual madness, whose patron is Dionysus. Therefore in order to get nerve conduction across the synapses a number of mechanisms have to be altered in the plasma membrane. The Yogin manipulates sensations in his mind just as though they had their origin in the physical world. Along with the factor of increased heat production we must consider whether or not the body temperature also rises. - "Distribution and nature of ganglionic inhibition in the sympathetic system," Fed. In other words, the function of cell number three will be to produce the usual electrical impulse, produce a chemical substance at the synapse, but this in turn will inhibit the second cell from firing a nerve impulse. Such experiments have been repeated thousands of times in scientific laboratories, yielding overwhelming evidence of the reality to commit suicide." "It's amazing that you should call me now," Jim replied. There is not only the sense of leaving the body as a nuclear mobile center of consciousness, the sense of travel, the knowledge of events going on at a distance, but there are also the real or imaginary encounters with entities of the lower world and of the animal world. work. I did not seem to be in any serious difficulty, and even responded to their question, but I have no remembrance of this. This process has absolutely no analogy in any of the known dynamics associated with matter or energy. Carbon dioxide has another effect besides maintaining a certain level of acidity in the blood and the central nervous system. The one ultimate common denominator between Shamanism and Yoga is the fact that both seek to escape the resnictions and limitations of the time and space world in which the body lives. This work contains nwnerous references and quotations from the original researches canied out by such competent investigators as Dr. Schrenck-Notzing, Dr. Eugene Osty, Dr. Gustav Geley, Sir William Crookes, Mr. Harry Price, and others. I don't know what it is. C, Page, Irvine H., and Quastel, J. I checked hack with my secretary and found that the phone had ruog about three minutes before I had reached it. "'No, but I think I'd better go: "'But we'll finish up here in half an hour,' Danny pointed out. In order to achieve this type of power he uses one principal technique, which is the control of consciousness through its four stages. B. We have all heard of levitation, but very few people have ever seen it. The doctrine is so widespread that it permeates evecy religious school in India and surrounding countries. I tried in a number of ways to induce an artificial state of adrenergia and pinpoint concentration in senders. He was in the mountains dtiving fast and rather recklessly when suddenly in the car lights there appeared a gaping hole in the road ahead. I turned the phone over to Peter, who said, "Hello Jim, this is Peter. Some ten feet beyond the turn was a desk against the left side of the hall or corridor. It did not spread over the room, it was as if a flashlight had been turned on me, the outline of the beam being in that shape. It is this self or a ray of it which in a telepathic receiver appears to go toward the object of its interest. This means that whatever it is that is transferred from the person to the film remains on the film as a permanent record ready to be read by a sensitive mind, and is of a nature quite beyond our comprehension. Trials 140 100 -240 Control in cage Control totals Control totals Control (Room plus Cage) Average Hits per run of ten trials Test Series Average Hits per run of ten trials Statistical Analysis Trials Hits Standard Deviation Chance-expected Critical Ratio Probability = $-\log Q(X) = -\log Q(X) =$ addition of an excess of negative ions in the atmosphere. The eyes are extremely sensitive to light. The inebriated person will perceive a mere touch on his skin as highly unpleasant and disturbing. Butler, J. Shirokogoroff goes on to say that the Tungus maintain what we would call a hypothesis about the ability of the Shaman. It is at the tubular synaptic end of the nerve that the chemicals are produced. The purpose of the experiment was to have Mrs. If we take the value of the normal inductance, 1 microfarad (1 millionth of a farad), and then take the square root of this product, we establish the period or duration, T, of each single nerve pulse. They retain their globular identity for some seconds before evaporating. I asked him to concentrate until some image appeared in his mind. As it passed the lamp, a deep shadow fell upon the room as if a material person shutting out the light from us, by his intervening body, and he disappeared, as it were into the wall. For a broad survey of the entire field by a physicist see: Raynor C. Later on in the same paragraph Bob notes that at the same time he felt this ray around the upper half of his body, he had the feeling of "a very low frequency vibration in the lower part of my body." This low-frequency vibration is what, in Chapter 9, we describe as the awakening of the Kundalini force at the base of the spine in the Yogin. On a low protein intake, stalVation, or severe exertion the individual excretes nitrogen balance. The extract was prepared by using one gram of dried mushroom to 20 c.c. of distilled water. The photograph had been placed in an envelope so that he could not directly see the image on the photograph. Proceeding from known areas, and trying to think out the relationship between the three, I suddenly-quite suddenly grew sleepy-so quickly that my eyes closed, and I had to open them again. The Amanita muscaria is used for making an intoxicating beverage in Eastern Siberia. But auditory stimulation differs from photic stimulation in the following sense: 1) It is much more rare to provoke the EEG picture of epilepsy in a normal person with auditory stimulation. The Vedic religion was characterized principally by a ceremony in which a plant called Soma28 (not identified with certainty) was the principal sacrifice or sacrament in the ceremony. 160-74, 1947. When this image appeared, he was to try to transfer it consciously to the film was shown to ten different people, as one would show a Rorschach Ink Blot, and they were asked what they thought the image represented. However, since she had been so sensitized to looking for electrical targets, I thought it would be a better test of her sensitivity of the moment to eliminate the electrical charges, and see whether she would be deluded into making calls of targets that were not there. In order to understand what is going on physiologically we shall have to analyze what happens to a single nerve cell when its frequency of electrical impulse is slowed down. In trial number ten one of the people present held the camera in the same position that Hurkos had, and tried to concentrate on an image. This is the origin of the debate as to whether a nerve is principally an electrical phenomenon or a chemical phenomenon. Meduna. Therefore the alcohol will depress the inhibitory cell number three, and thereby release its braking action on cell number two. Behanan, op. The state of samadhi is the end goal of the Yogin efforts.9 There are three stages associated with attaining samadhi which cannot very sharply be differentiated from one another, which are called, 1) (stage six) True concentration. Instead of dealing with a single bulb-ended tube we now have to bring two of them into our picture, by placing the bulb end of transfer of the nerve impulse from one nerve cell to another. She awakened her husband, who simply grunted something about "women and their premonitions" and went back to sleep. Fwnes of burned barley, laurel leaves, and hemp seed as used in Grecian times-see: A. Ind. 1. ..Farther south in Boston, in Westwood, Whittaker was welcling more water pipes. The Shaman may also breathe the smoke of resinous conifers, 19 or even incense, the latter being more common among the Tibetan oracles. These have been brought under harmonious controL His mind, as a result of concentration exercises. I wish to thank Dr. Kurt Fantl, and Dr. Margaret Paul for assisting in the psychiatric supervision of the subjects. The capacitor-rectifier also has a high electrical resistance across it that is, it offers resistance to the flow of electrons across it. I went out of the shower, through two louvred doors, down a sand-colored tiled hall for about twenty-nine-year-old healthy female nurse who had taken a treannent, ...came an onrush of color, first a predominant sheet of beautiful rose-red, following which came successive sheets of brilliant color and designs, some geometric, some fanciful and graceful-purple and rose coloring predominant. The evidence favors a slight rise in body temperature rather than a fall in body temperature during the ritual of the irrational. The first point to be noted is that consciousness is no longer limited to the locus of the body. Upon examination, both the negative and the positive films were found to be homogeneously dark, showing no image or activation by light In the next trial I asked Hurkos to sit in the same spot in the dark room that I had occupied. In order not to delude himseH, he arranged with his wife to have her surreptitiously slip 1000 mgm. The methods used by the Shamans can best be illustrated by describing their ritual. Both the positive and negative prints were uniformly and homogeneously dark and blank. 161. promise. I then remembered a breathing trick, and started to breathe in a gasping manner through the lips. If the output that is excreted exceeds the intake, the balance of nitrogen is said to be negative, that is, the body is losing nitrogen. It is also interesting to observe in this situation where there may have been at least a dozen observers in the room each concentrating on the problem, that Hany was able to selectively follow the thinking of the person who had hidden the object. Then after hiding the object. Then after hiding the object he was to sit down with the other observers. "I saw someone enter my bedroom; I realized she got a terrible shock and I saw her hurry to the telephone. The force was very strong and I felt no fear. I had best allow Crookes to describe his results in his own words.5 "During the week before Katie took her departure she gave seances at my house almost nightly to enable me to photograph her by artificial light. In general this seemed to correspond with the individual's psychological reaction to electricity. However, when he has reached this state of development he is in considerable control of himself. The effect of acidosis on the state of the nenrous system can be illustrated by its reverse condition, namely, where there is a condition of alkalosis or excess alkali in the body. At first he was conscious only of the searing pain in his right shoulder, which was jammed against the red hot weld he bad been making on the pipes. We ask the question why did Miss Ward see so clearly the image of her sister, in severe pain, not where her sister was, but in Miss Ward's own room? The room was fully lighted, and I was allowed to inspect everybody's feet and the relation of their feet to the table legs. This state we recognize from our previous discussions as a state of cholinergia. How oxygen is transformed by the Yogin for special use we do not know. I asked them to concentrate upon this film while the table tapping was going on. In reviewing the literature I could find no mention of experiments that associated cholinergia with increased scoring in a telepathic receiver. Humphry, B. However, in most instances of an authenticated apparition that I know about there is no residual consciousness associated with the body once the nuclear self has separated. I shall not tear it up or destroy it, in spite of future developments, as it is as honest and objective a record as I can make iL And as candid. Smaller doses have an initial stimulant action and conwlsions may be a prominent feature of the response. In the case of the Doppelganger the wraith of one's self may become visible to another person. 106--9. "I now realized I was awake again but I quietly lay where I found myself. I then floated upwards again, and mentally decided to 'go somewhere.' "Seeming to know how," rolled over, arched my back, and dove easily into the 'floor,' which felt like slipping into a tunnel that exactly fitted my body dimensions. The body can derive up to one-quarter of its energy from alcohol, so that alcohol is a food which can be used as a source of easily available energy. He learns to look upon the candle for what it is. Following this early excitatory phase, the Yogin then passes into a state of deep relaxation. They make the following statement in regard to Dibenamine deserves comment. Sa. Ibid., p. In order to give him some sense of synchronization between mental image and camera image, I asked him to snap the shuttering synchronization between mental image and camera image. in the dark at the instant that he felt he could transfer this image to the camera. Bb. Augusto M. Hettinger, J., The Ultra Perceptive Faculty, Rider & Co., London, 1940. He is not aware of, or bothered by. The vibration faded. The following quotation is from Monardes' work entitled Segunda Parte Del Libra, De Las Casas Que Se Traen De Nuestras India Occidentales, prioted at Seville io 1571. Because it is known that the Shaman and Yogin undergo the longtenn stress of cold adaptation and fasting and short-term stresses of maximal intensity (dancing or breathing), we can extrapolate from classical physiological investigations in each of these fields and in a rough way deduce the possible major biochemical shifts that may occur in a "model" candidate. To make sure that the table taps were not hallucinations we recorded the lowfrequency sounds of the table. Ibid., p. So far this was the strongest activation of the chemicals in the emulsion. Garrett, through her control, produced the sound E, and emitted a head-splitting version of this particular vowel. Altogether I have 44 negatives, some indifferent, and some excellent. In addition to this effect of direct stimulation, the chemical adrenergic blockade of postsynaptic transmission would tend to conserve the energy of the cell, and thus augment the stage of self-excitatory synchronous discharge. These, most of us are familiar with from the American Indian medicine man. Ducasse of Brown University. 2) Drunkenness. Their movement is the movement is the movement of some hitherto unsuspected mechanism of the brain. The book was then opened and I started to read Please help us to share our service with your friends. Conversely, the amount of acetylcholine in the brain is decreased during emotional states or in convulsions induced by electrical stimulation. Hurkos best described it when he said, "Looking into the light makes me forget all of my personal problems; I get out of myself completely, and easily look into whatever it is that I wish to concentrate upon." Immersed in this stroboscopic light, Hurkos undoubtedly experienced the peace and relaxation that the Yogin finds after mastering restraints and disciplines. Wood and Mr. Tom Slick, wanted to test Hurkos' ability to get intelligence from an object sealed in a package. For example, I know of some people who love to see lightning. Whereas high doses caused a drop of blood pressure and slowed down the pulse rate (cholinergia)." In order to ascertain what effects the tobacco produces in the Shaman it will be necessary to restate the cycle of behavior that he exhibits after taking the alcohol and tobacco. As I turned towards him he sprang out of the bed as though to attack the man, but stood by the bedside as if afraid, or in great pelpiexity, while the figure calmly, and slowly moved towards the wall at right angles with the lamp. The ancient Egyptians used frankincense (Boswellia carterii) in their temple rituals since the beginning of their recorded history. This consisted of a million candle power stroboscopic light. His next move invariably was in a straight line for the place where the object was hidden and usually within two or three minutes he had found the object no matter bow well it was concealed. Because of the early hour, the story was not to be found in the newspapers on the following morning when Hurkos was giving his readings. Some Shamans practice preliminary acts before sleep for bringing themselves into ecstasy. At the end of the tube he suddenly saw distant visions. The evidence, however, shows that cold adaptation and generalized increase of thyroid and adrenal functions tend to elevate the amount of sugar present in the blood. 20. Later on such concentration may be extended to other sensory systems. If we carry out this calculation for a normal person who is in a normal physiological state, we find that the resonant frequency of his nerve impulses is about 360 cycles per second2 (which can of course attain a maximum of about 500 cycles per second). Furthermore it was found that no other telephone calls had come into the laboratory during the half-hour period of this particular experiment. Quoted from Proc. This is barely significant for telepathy in one run. At several sessions all the people around the table but to move their feet and legs as far away from it as possible. 407. When the hands on the table were asked to keep their hands on the table but to move their feet and legs as far away from it as possible. went beyond the distance of four inches the tapping ceased. The four subjects were chosen by the staff of Advance Public Relations, Inc., for their sponsor the Aluminum Company of America. His call had been placed within a minute of the time that the phone ring was recorded on the tape. Therefore, in spite of the fact that the Yogin attempts to cut off all physical energies that come through the sensations, he nevertheless does draw upon one physical source, the air, for his mental operations. He still doesn't know exactly why he did it~mething seemed to be drawing him on. It is very old. B., "The Psychokinetic second s Effect: I. No one was around. Rama Prasad, Nature's Finer Forces, Theosophical Publishing House, Madras, India, 1947. When a nerve is stimulated either by a sensory stimulation or by an action of the blood strearo PART THREE "After an interruption lasting two or three hours, that is, already at daybreak, the third and last part is performed which is carried out in the same way as the first part." Shirokogoroff says that one does not very often get the opportunity to see this form of Shamanizing because the traveling to the lower world is considered such a dangerous and difficult operation for a Shaman that it is rarely performed. Comparable experiments are reported by J. There is another peculiarity of Yoga which distinguishes it from Shamanism; after spiritual ripening, the Yogin remembers his previous incarnations. P ast 30 Presque vu-if pronounced has the import of divination. The most importan finding in this study was that the canier wave induced in the table had a frequency range of 300-400 cycles per second, and this was pulse-modulated 2-18 times per second, and this was pulse-modulated 2-18 times per second. my earlier observation on Mrs. Examples of glucocorticoids are compounds such as cortisone. But the by-products such as collidine, pyridine, hydrocyanic acid. This may be or may not be true sleep in that some residuum of consciousness may still be present which allows the Shaman to consciously enter the state of doubling of consciousness or a mobile center of consciousness. These are what we might call the fabulous powers of the Shaman. Thought; no mass; faster than C; A world of difference from what we have been taught to expect. When a nerve secretes acetylcholine, it is called a cholinergic nerve. 3 The following description is based principally on the extensive researches of Shirokogoroff, who spent many years living with and observing Shamanism in Siberia. These puzzling findings, and some of the conjectures and deductions drawn therefrom, led me to devise an experiment whose chief purpose was to try to capture or detect an emanation associated with the photographic process as outlined above. 209 He would call Jim up every day or two and ask him if anybody was interested in the film. Where Mrs. Mushi, The Vedic Age, George Allen & Unwin, London, 1951. Boris was wearing a light hat and a light coat. The use of this mushroom in the ritual of the irrational in Siberia was first mentioned by Philip Johan von Strahlenberg, An Historical and Geographical Description of the North and Eastern Parts of Europe and Asia, Particularly of Russia, Siberia, and Tartary, London, 1736 (English translation), First Edition in German in 1730, Stockholm. The subjective experiences of the Shaman are undoubtedly of the same nature as already described in Chapters 6 and 7. There is a world-wide distribution of such experiences, but for the purpose of clarifying the issue I am going to cite only one class of experience which I believe to be psi plasma. As he put the receiver to his ear, Joe was already saying, "Hello! ... However, now that you have called, I am impelled to go out there as soon as I can. A continuous sonic output is maintained at about 35 decibels with peak outputs marking each drumbeat These figures give us an approximation of the tempo, energy and frequencies stimulating the Shaman in the early stages of the ritual. He is happily married and has a glowing and warm home life. 11 There was no transition to sleep. Somewhere during sleep that he should call Joe Lawrence. The most significant slowing down observed is the rhydun of the electrical waves of the brain. These are my impressions of what went on within me. is not disordered, and therefore he can allow a single hallucination to appear in his mind and manipulate it and control it as though it were a puppet. As I left the laboratory I was called by my secretary to answer the telephone. 55. They placed their hands on the surlace of the table and chatted about matters of current interest. Now the question was, would Harry go to the place where the object was hidden? Then I searched for a photographic system which offered the least possibility of artifact by chemicals, and found that the Polaroid-Land camera satisfied my requirements. 34 et seq. 16. It has further been noticed that in the Yogin the sloweddown alpha frequency has the characteristics of a sine wave. N.B.-We really don't understand gravity, nor can we adequately quautize iL Yet Pubaricb has created A THEORY, a beginning, a small favor in a blithering confusion of data which inundates anyone who wishes to pursue paranormal occurrences with a scientific attitude. K. Subsequently dismembered parts of this small boy came tumbling down to the ground; the Fakir gathered the Duke University, repeated the Duke University PK experiments in 1946, and confirmed the findings of Rhine and his associates. The Fakir and his boy assistant had stood motionless by the rope throughout the rest of the demonstration. The subject's guess was then printed alongside the target number already displayed. Myers, Human Personality, Longmans, Green & Co., London, 1907. Pharm. The subject's guess was then printed alongside the target number already displayed. candidate is taken out on a frozen river, and several holes are cut in the ice at a distance one from another. "On Saturday ninth, November, a few minutes after midnight, I began to feel very ill, and by two o'clock was definitely suffering from acute gastroenteritis, which kept me vomiting and purging until about eight o'clock. At the Mayo Clinic a hysterectomy was performed. 13, 1918--19. and that the most efficacious is camphor. Singing, jumping and general excitement increases. "The vibration was still present, but I felt I had had enough for one day, so I decided to check up on the house. The plasma membrane must not be thought of as an electrical conductor like a metal such as copper In either case the ghosts of one's mind lise to haunt one and often the experience can be highly unpleasant. The chance-expected score is 39 hits in 351 trials. Analysis made with Sonograph Frequency Analyzer with the co-operation of Capt. There is another case which brtngs out certain aspects of the role of the sender in a different way. In hibernation the blood sugar is markedly reduced, whereas in the Yogin it remains normal or may be elevated. I instead asked them for the information. In this condition the spirits were acting. The carbon dioxide of both the carotid artery and the internal jugular veir was doubled. In addition to being an electrical generator of pulses the nerve cell is also a generator of certain chemicals involved in nerve conduction. Parapsychologie, "The Medium Kluski," 1926, pp. The discussion in this note will be centered around camphor, because its effects on the central nervous system have been thoroughly studied by modem techniques. of the base daily, which represents triple to quadrople of the lethal dose, and its tolerance can only be explained by habituation. The methods of dreams and ecstasy are of a special character, but they serve the same purpose and are a perfection of a means of cognition. The Yogin by sheer mental effort, which Eliade has called enstasis, seeks to achieve such time and space autonomy. ANDRUA PUHARICH Carmel, California, Aprill, 1960 Beyond Telepathic Receiver and the State of Cholinergia Dr. Lawrence entered his office promptly at eight-thirty. One of the pioneers was a professor at the University of Tokyo who began his experiments in the early part of the twentieth century, T. The natives know that the active substances are expelled from the human body in the urine. Grey Walter has made an interesting analysis of such an activity of the alpha wave from his studies of the effects of intermittent photic stimulation: W. Garrett, and she was waiting for an impression of when the switch would be turned on in the other building, she soddenly said to me, "You have a friend. He begins with the control of sensory perception. Through this communion I seemed to receive assurance that the petit problems of whatever was bothering the human being that was me, huddled down on the earth, would work out all right and that I had no need to wony This kind of evidence from dice experiments shows that the mind can influence the behavior of inanimate objects in motion. Tobacco--5ee: Panacea or Precious Bane, Sarah Augusta Dickson, The New York, 1954. The use of resinous plants of many species is found in many other cultures for this purpose. Psi plasma is that "something" which expands outward from the telepathic receiver, and that which imprints a personal memory pattern on an object. Arterioles in salivary glands and penis dilated. The Yogins look upon the unrestrained and uncontrolled activity of the senses and the subconsd.ous mind as whirlwinds without pmpose which must be harnessed and brought under control. The Yogin goes from the control of his senses and his understanding of the information gained therefrom to studying the internal activity of his own mind. Puharich, The Sacred Mushroom, Doubleday & Co., New York, 1959, p. New York, 1959, p. New York, 1959, p. New York, 1954, p. Garrett's traveling clairvoyance. demonstrating the sound production, and describing the effect this sound was to have. Thus one consciousness of sell. It was a highly poised, calm, and ecstatic state. Was it specifically the thought processes of the person who had hidden the object? Heart block in the Bundle of His. The sense of being pulled back by a "gentle elastic type of motion" is an excellent description of the psi plasma due to a decrease in the cholinergic condition. For a complete description of the psi plasma due to neutralize p svenological plas in lavor of the thesis subjects were obtained who were either skeptical or hostile to the idea that drugs could influence intuitive capacity either positively. -- "Electrical studies on the phannacology of autonomic synapses. Large doses produce convulsions, similar to those of metrazol, but much more persistent In manliDals the location of the convulsant action is chiefly above the optic thalami, for section below these abolishes or greatly diminishes the convulsions. As is well known, the corticoid compounds have now found a wide use in treating many different illnesses and diseases. At other times he encountered friendly and pleasant "entities," and one of these he became attached to, and looked upon him as a "father" and/or "mentor." It must be noted that Bob's real father is alive, and that his use of the tenn father does not refer specifically to his parent In Bob's experience of a nuclear mental entity behaving as a mobile center of consciousness outside of the body, we have used a case in which the physical body of the percipient was alive. Positively charged carbon-dioxide ions on the other hand slow down the ciliary beat Positively charged atmospheric gas ions, in general, do not have the salubrious effect shown by negatively charged ions.8e In my own researches I have found that an excess of negative ions breathed by a sensitive definitely increases ESP-test scores for telepathy. The light is stationary; the eyes are shut and do not move; the head and the brain are still. Elliott, K. Spinal reflexes are depressed. The second change is that there is an involution or decrease of the thymus and lymphatic glands, and this is reflected in the distribution of the cells found in the blood. R. Dr. Wilson told me that he was traveling through Maine and had stopped at a university about fifty miles from where I lived. The language used to describe this experience is couched in terms of color, radiance, and light. 283 ff; Socia/ Behaviour and Autonomic Physiology in Long-standing Mental filness, by J. It is just the type of elasticity that we would expect in the psi plasma during contraction. He tried to edge away from the hot pipe, but the burden of earth on top of him held him tight against it. Garrett had unexpectedly brought up the name of Dr. Wilson, I noted that twenty seconds following her utterance of the words "Dr. Henry Wilson," there were three faint phone rings on the tape. Furthermore, it was held by another gentleman who went into the next room so that Hurkos could not even see the shape of it. Stomach and Intestine-Increased tone and movements; increased peristalsis. Some candidates have been reported to dry as many as nine or ten sheets under these frigid environmental conditions. It seems as though the language that we have and use was devised to describe the physical world in which we live and is inadequate to describe this other world. There was a microphone on the bandstand, but no orchestra. cit., pp. Sbirokogoroff, ibid., p. "Sullivan pulled the welding shield back down over his face and was about to reswne welding when the calamity happened. 4 et seq. Sullivan was under great stress and as described earlier, had a massive adrenergi.a. Whittaker, as the receiver in the telepathic interaction, was probably in a mild state of cholinergia, very relaxed, and therefore most receptive for receiving a telepathic impression. This differential action of carbon dioxide is retained in anesthetic concentrations which eliminate spontaneous hypothalamic and cortical potentials, whereas the responsiveness of specific projection areas persists in a somewhat reduced degree. In most cases the trial and the u.S. Army at its chemical center aroused his interest in hallucination-producing mushrooms, leading to his first book, "The Sacred Mushroom." Full PDF PackageDownload Full PDF PackageThis PaperA short summary of this paper35 Full PDFs related to this paper36 Full PDFs related to this paper36 Full PDF PackageThis Paper36 Full PDFs related to this paper36 safely hospitalized and Jim was going to take a trip to Mexico and get some rest after the tension of the past few weeks. A Yogin does much of his exercises in what we call the sleep state. "Peter," I said, "what are you talking about?" "It's a hand! I saw a hand in fmnt of my eyes and the wtist is cot, and it's nothing in this room; it's in my mind that I see it." I knew now that his vision could either be a literal telepathic impression, or one that could have a symbolic meaning. Several times I seemed to be a night club, although it may not have been that, I was in both auditory and visual contact with the place. engull me and leave me breathless in the mad rushing sensation. Hygiene, 15: 8, 1933. The tappings proceeded menily for about an hour. "A trance-like state in which the mind is fixed on what it contemplates or conceives" (Webster's New Collegiate Dictionary). Bill Harmon at this very instant was still asleep in bed He awoke abruptly with one thought in his mind, "Call Joe Lawrence." Acting inuuediately on the impnise he reached for the phone by his bedside. The average score jumped from the twelve correct hits out of fifty trials. Sympathetic action prepares the body for great exertion. However, when the motion pictures of this scene were developed subsequently, it was found that the Fakir had wilkfd into the center of the group of people and thrown the rope into the air, but that it had fallen to the ground. They believe that they can more easily attain ecstasy in the dark. In fact, he says that the sensation on the soles of his feet was one of coolness, rather than of heat Mayne Reid Coe, Jr., a doctor of philosophy from Riviera Beach, Florida, has published his own experiments with fire-walking in True magazine (August 1957 issue). In order to understand the effects of dehydration we must realize that the water in the body is distributed between three compartments. The active principle of the Ephedra is ephedrine, which has been shown to have an adrenergic inhibitory effect comparable to that of adrenaline. 118. By four-thirty P.M., the last pipe for the day had been laid in place by the power-shovel crew, who then stopped work, leaving Sullivan to finish welding the seam between the last two pipes in the trench. This part of the performance is concluded hy a divination with the drumstick or a cup. Reko gives the following description of a nanacatl (the Mexican species) intoxication: "The effect of the amanita toxin consists of a peruliar hyper-sensibility. If the condition persists long enough, in some cases this may be as short as a few minutes, the individual becomes unconscious. What is there in this purely physical process of light reflection from an individual as registered on film emulsion that allows an individual like Peter Hurkos, and other sensitives, to gain intelligence about that person? When I came out of this state, that is, recovered consciousness, I had a singular experience. In both cases the unconscious relay agent was tense, concentrated, and perhaps even worried, a state fitting adrenergia. Dr. Ducasse didn't buy this. Unlike most other substances, including water, alcohol is rapidly absorbed from the stomach. I told him I would call him back as soon as I could see my way clear to leave. The most important manifestations of this response of the body to stress are an enlargement of the adrenal glands, which have two components, the adrenal cortex and the adrenal sympathy with the state of the Shaman helps him to continue. In fact, the ultimate aim of the pranayamic exercises is to achieve that state of slow respiration which is found in hibernating animals. Parkes, Chairman; Little, Brown and Company, Boston, 1956. Strauss, et al., Diagnostic Electroencephalography, Grune and Stratton, New York, 1952, p. It might provide a further chemical basis for understanding some of the phenomena associated with higher states of consciousness. In general, when a protoplasmic system is dehydrated, we can say that the capacitance of the plasma membrane tends to be increased. C, "The Croiset Experiments," Tomorrow, Vol. If we can accept this evidence in the good faith in which it was obtained by many distinguished researchers, one wonders why something has not been done with it? I was aware that something else existed, but I can only describe this as "everything" else, the primary reality was the knowledge of self. I was too astonished to be afraid, but simply wondered who it could be; and instantly touching my husband's shoulder (whose face was tnmed from me), I said "Willie, who is this?" ... The experiment continued in a routine fashion for thirty ntinutes. The next instant I was walking into a house, entering by the rear, and went past what seemed to be many coats lying stacked upon a table. In general his experience shows all gradations from simple imagination during conscious states in his own body, through symbolic dreams in sleeplike states, leading to confirmed telepathy as a nuclear mobile center of consciousness. They seemed in good spirits and walked past me unseeing in the direction of some boilding like a garage. 6 The Dynamics of the mobile center of consciousness is to study the experiences of an individual who has had many different degrees of separating ntind from the physical body. It is also a fact that an increase in the potassium ion surrounding the nerve will increase the rate of acetylcholine production. & The stress functions we have cited show that certain of the mineral corticoids tend to increase the loss of potassium by the body. 1 Now I must explain a situation that had existed for several weeks between Peter Hurkos and Jim Middleton. I could hear the voices of a number of people talking in the next room. Or both abdominal muscles may alternately contract rhythmically to produce a churning motion on the intestines. Vasodilatation in the skin. I was seeking to find a state of cholinergia intermediate between these two extremes. Paul, and Dr. Hal Dorin-all physicians. There were several witnesses present at Mr. Belk's apartment when the package was handed to Peter Hurkos, and his statement concerning the package was tape-recorded. Bender, Hans, and Tenhaeff, W. Of prime importance in understanding telepathy is the biological state of the receiver. It is well known that oxygen under the impress of a given amount of energy (for example, a few thousand volts D.C. potential) converts easily to the ionized state and to higher polymers of which the first is ozone. 18, Pt. 3-4, pp. In addition profound biochemical changes result which protect against an epileptic seizure. "Cortical excitability depends on at least two systems, the long efferent tracts, which send impulses to the specific projection areas, and the hypothalamus, which through its upward discharge' influences the cerebral cortex as a whole. Her pulse, which normally runs about ninety, was down to sixty-six. The role of the sender is usually taken for granted. some of them terrifying. Let me give you an example. It is the opinion of these authors that Victor Reko, in his Magische Gi(re, F. The chance-expected score is 33 hits in 297 trials. A form, a movement. When we look at a large broadcasting effect emanating from a single score is 33 hits in 297 trials. telepathic sender as in the case of the Indian Rope Trick, or look at the converse phenomenon of a large number of telepathy. Yes, this was an accident" The story behind this reading is interesting. 126 (fable 1). A group of people sat down around a wooden table. Garrett sat in a copperscreen (Faraday cage) room. The sympathetic on the other hand causes an inhibition of such motion. We have no final idea as to how large a number of people can be embraced by one telepathic situation, that is, with a single sender. Although I speak of the expansion of the psi plasma, and Bob speaks of a ray and does not know whether it is entering or leaving his body, the two are equivalent. The owner of the dog does not know what is wrong with it. and Ed. by Sir Henry Yule, Cordier Edition, John Murray, London, 1921, Vol. J., Carbon Dioxide Therapy, Charles C Thomas, Springfield, lli., 1950, p.18. In some cases the Shamans abstain from drinking, for they are equivalent. say that drinking does not help but makes them weaker. Some kind of period piece was being performed on the stage-at least the costumes were not modem dress that I recognized. One might have to consider a synergistic action of some or all of the effects cited above, the end result being cholinergia. Whittaker, he knew, was working that day on another part of the water-main project some four or five miles away, near Route 128 in Westwood. The film was developed in sixty seconds. Lactic add content of the venous return doubled. See chapters VI, VII, and VIII of The Reach of the Wind by J. I noticed during the telephone conversation that Peter had not mentioned his vision of a cut wrist. Some of these were highly unpleasant and engaged him in mortal combat which was very trying and soul-shaking. Shirokogoroff, op. It is known that the absence of visual stimulation, lack of mental concentration, and alcohol increase the prominence of the alpha rhythms in the occipital cortex; and that an increase in body temperature, adrenocortical and thyroid activity tend to increase the alpha frequency. The subjects ate their mushrooms at fifteen-minute intervals from each other. He looked at me startled, and stood up. The sense of slight warmth and relaxation, etc., is the classical description of what we have called cholinergia, espedally as it occurs in connection with an expansion of the psi plasma. Therefore the inside of the nerve is negatively charged and the outside of the nerve is positively charged, the entire arrangement being very much like the electrical potential that exists between the two terminals of a battery. It was also found that the table tapping occurred only when Mrs. For example, Richter and Crosslin8 have shown that an animal, when at rest or asleep will produce larger amounts of acetylcholine. This particular case illustrates two important features of the mediation of an inanimate object in the process of extrasensory perception. We have stated that adrenergia is a condition of fright or flight due to hyperactivity of the sympatho-adrenal system with the assumption that the net effect is an excitatory one. I felt the lower half of my body (legs and hips) swing upward, float over the side of the couch and, like a feather, float down and touch the floor. ...Several swveys have been made to find out how these types are distributed in the population; groups comptising more than 600 persons have been studied for this purpose. + I I I I I 1 .x.-!fe}(tg)-24 M~ 'I --~---oll -- II I Fig. In addition to these noises of purely physical origin in the body he becomes aware of the background noise of his own mind. The combined score of the four subjects in test I was 65 correct guesses out of 432 trials. The dog bad been sick for several weeks, limping and favoring his left bind leg. The Shaman sits, drumming and singing. He was asked to concentrate upon some mental image. The Shaman sits down seemingly exhausted, and lightly drumming, sings. But this is due to the fact that alcohol is a nerve-depressant and the inhibitory cells are more sensitive to the action of alcohol than are the excitatory cells. If we take the reciprocal of this value, that is, 1/T, we get the frequency of the nerve impulse. A5 a rule, the Shamanizing. and in the next chapter we take up an analysis of the biological conditions which may lead to such control. In this case the husband was shown the removed surgical specimen. During this part the Shaman must exteriorate his soul and take the immaterial substance of the sacrifice to the lower world. However, the awakening in a state of ecstasy is also not a pure and simple ritualism (though it may be included in the ritualism as well), but the reaching of ecstasy in a half-coll5cious state is easier, and therefore the Shamans sleep before the performance. Such telepathic interaction was carried out by soaking the mushrooms for thirty minutes in water at 180" F. Yet still more narrowly it is an ethnical phenomenon on which depends both the variable psychic conditions and the theoretical background which exists in the given social units. This picture is of a lady, blonde hair with a round face." At this point Juliao Huxley emphatically stated that Peter was entirely wrong, and went on to say that the envelope contained a photograph of his picture is of a lady. son. One of his long studies carried out in the 1870's was on the medium Florence Cook. Wereide, Thorstein, "Norway's Human 'Doubles,'" Tomorrow, Vol. Subcortical discharges account for the increased responsible for

these phenomena originate in the posterior hypothalamus, since lesions in this area abolish increased spike frequency to carbon dioxide and reduce or eliminate the generalized excitation of the c:ortex following nociceptive stimulation. Murphy, "How ion density affects comfort," Heating, Piping & Air Conditioning, October 1954. One of the peculiar characteristics of the sound waves produced by the table is that in certain instances the waves did not slowly damp out at the end of the sound production, but instead the waves rose to a high amplitude at the beginning of the sound production. It is known for example that the membrane on the bulb end of the cell (which is called the post-synaptic membrane), facing the tubular end, is not excitable by electricity, but only by chemicals. III. The first was the fact that parasympathetic activation was associated with an increased degree of sensitivity for telepathy. c I am particularly indebted to Dr. Hwnphrey Osmond for his ideas on this subject. His loss of efficiency is still so 2 3 4 slight that he can hide it from himself, since his critical faculty is dulled. All of the above techniques, if used in serial order, lead to one end result, namely exhaustion. "I am sony to tell you this but I see this boy involved in some kind of an accident with a yellow bus on a Wednesday at twelve noon." The parents were quite disturbed by this reading. From time to time we will refer to the effects of adrenergia and cholinergia as to whether they are exerted on the plasma membrane itself, on the synapse, or on the post-synaptic membrane. These produce a well-known cholinergic effect, and can lead to hallucinations.8 (See Appendix H for a description of mushroom hallucinations.) Intuitive capacity for telepathy was tested with a manual matching game made up of a fundamental probability set of ten cards each. As we have seen, ecstasy usually starts during sleep, so that we evidently have a case of strong self-suggestion bringing about the second seco an action during this state of partial unconsciousness. Another line of explanation would arise if an aetna! epileptic discharge occurred as a result of the excitement, and if such a discharge were of the Human Brain, Liule, Brown Boston, 1954, p. The receiver on the other band generally tried to remain relaxed and stated the first thing that entered his blank mind. Ross Hart, "The Relation of Hallucinogens to Adrenergic Cerebral Neurohwnors," Prepublication copy, 1955. Upon the completion of the control test each subject drank a water extract prepared from Amanitation copy, 1955. muscaria.9 The matching test was then repeated. Then, as I lay there still fully conscious, I knew I was not asleep, with my eyes closed I saw in my mind's eye a book in front of my eyes. Has been in a hospital. These cases have all been carefully checked and each one reveals some new realm of exploration wherein others can follow. Ba. Ferrannini, L Revista de Meteorologia e Scienza Affine, Roma, julio-agosta, 1939. "The Shaman takes a big cup (about 100 cc.) of Vodka about 40% strong and smokes several pipes of tobacco. The parasympathetic system on the other hand acts on the effector cells, that is, muscle and gland cells, by liberating acetylcholine, and its dominance is called the cholinergic system. This action of the mind at a distance is called psychokinesis. The candidate is required to dive through one hole, pass under the ice, and come out the third hole, and so on, all together nine times. 5 In Tibet the candidate for initiation undergoes a similar trial, sitting by a hole cut in a frozen lake. The idea of the soul, or spirit, is very very old. Since the Yogin tends to bring his neuronal rhythms, it is apparent that the acetylcholine content of the brain must increase. I briefly outlined to Peter the possibility that the human mind could influence a photographic emulsion. Some of the psychologic: a spects of cholinergia are described in Forms and Techniques of Altruistic Growth, Ed. by Pitrim A. The first is that the absolute value of the voltage across the plasma membrane. The great exertion of dancing under the weight of a heavy costume increases his carbon-dioxide production, which is not blown off as a result of the grunting form of breathing used. Quart., 26: 33-53, 1952. 2) (stage seven) Meditation. A man, big and round shouldered, was supporting me on my left, much taller than I, his shoulders seeming to glisten, and holding me up on my right was a young girl. He was not able to specifically state that it was a jar. The first is familiarization with many different devices such as feathers, bones, knuckles, various plants, mineral paste, etc. The subject while looking into the light controlled the frequency of the flasb with a knob and adjusted it to that point which pleased him the most. This is accompanied by a tremendous feeling of excitement and even agitation. The second day after Jim left for his trip to Mexico, Art requested the attendant did. Evans-Wentz, The Tibetan Book of the Great Liberation, Oxford University Press, 1954. The order of the statements has been rearranged for easier reading since his sentences were repetitive. 36. He believed for a time that when he was given the Vitamin C he had an unusual experience of the separation of the family concerned. 450-62. 19, p. There is a definite ratio between these pulses may be due either to the displacement of individual mobile charges or to changes in the total polarization of an extended structure considered as a unit. Before reentering the room Harry was blindfolded. "About twenty minutes ago I got a phone call from Art's psychiatrist in Albuquerque, who told me that Art was feeling rather depressed, and that it would he a good idea if I came out to visit him and cheer him up. long, and in the same comer of the film there was a diffuse and faint light-pattern which had no determinate form. In the end I would get sluggish in speech and body movement, and decided to lie down and sleep. Under stress the individual goes through repeated episodes of alarm and if the organism responds properly without breaking down it will reach what is called the stage of resistance, in which the adaptation to the new load is optimal and adequate. John had no thought, as near as he can recollect, as he plunged down the washout, of thinking at all of his mother or family. Moldenke, ibid., p. Immediately upon this thought the wires and branches disappeared,8 and I was soaring upwards strongly, faster and surer. The latter are normally referred to as poltergeist incidents.6 I was curious about such developments but had never personally witnessed any. Proc., l: 397-409, 1948. 3 The second point of interest to me was the centrifugal reach of her mind in the state she described as traveling chairvoyance. The film was developed in sixty seconds and found to be uniformly dark and blank. Tonic extension. So he knew Whittaker would think he was up north still in Chelsea. "Mter these assurances, I turned and walked back around the corridor through the louvred doors and into the shower. It was apparent that the period of cholinergia-induced intuitive capacity had passed. Mircea Eliade, Le Chamanisme et les Techniques Archalques de l'Extose, Payot, Paris, 1951. This is the goal of the Shaman's the period of cholinergia-induced intuitive capacity had passed. performance, namely, to be liberated from time and space restrictions of the body in the form of a nuclear mental entity. His mode of travel as a mobile center of consciousness encompasses a wide range. The second trial undergone by the candidate for Shamanship is of the opposite nature in that it tests his ability to withstand extreme cold. Or he may tense one rectus abdominal muscle and have the other one undergo rhythmic contractions. For further information see: Penfield and Rasmussen, The Cerebral Cortex of Man, Macmillan, New York, 1950. This expertm.ent was used many times to prove to observers that Harry could reach the mind of the Agent-since no one else in the room knews the wrong location which the Agent had selected. I see a leather collar from a dog with brass trimmings on it. The second phase is that of holding the breath at the top of inhalation and this is called Kumbhaka. The potency of the mushrooms varied depending on where they were picked, and during which part of the season. This was an unusually good demonstration of telepathy. A group 7 of us arranged to have weekly sittings with Mrs. I felt a surge of lifting power, and I rushed quickly up the hill. There are a number of cases of apparitions which Tyrrell has described as postmortem cases. But I have taken this bold step in order to stimulate others to examine the same problems, and thereby draw more interest toward a seriously neglected area of knowledge. First I related myself to my body. While the Shaman also develops this "inner heat," it is not the ultimate goal of his practices. Bd. MD magazine, October 1958, Report on the work of A. The reader who finds these hard to follow can get their general idea from Chapter 12. Much of the intelligence that he gets comes from other segments of time and space than the one in which the picture was taken. It is interesting that we are shown here a polar relationship, in that the "ray" expands in the upper part of the body, and the low-frequency vibration is felt in the lower part of the body, i.e., at the base of the spine. The function of inhibitory and excitatory nerves is very complex in the brain itself, and often what is interpreted by us subjectively as an excitatory effect is really an inhibitory effect is really an inhibitory effect is really an inhibitory effect. In this test Mr. Huxley handed a sealed envelope to Harry Stone, who went to the opposite side of the room. If large amounts of adrenaline are released at the synapse it will block conduction of both the inhibitory and excitatory cells. The correlation of such a drum tempo in the temporal cortex will be discussed in Chapter 10. long, with a 3-cm. 275 and 1083 ff. He hears in an exaggeratedly loud fashion the beat of his intestines, the rumble of his intesti them, have a peculiar architectural structure and are known as terpenes. Thank God.' "It was 6:30 P.M. when he was lifted out. Loomis6 has shown that there are remarkable changes in pC02 will completely changes the sexual nature of small organisms called hydra. It must be noted that Peter and Jim were very much on each other's minds as a result of the tension that had built up over the pilot film. Second, this work confirms, on the basis of different experimental procedures, the conclusions arrived at earlier: 1) That awareness is abolished when the hypothalamic-cortical system is anatomically or functionally eliminated. Julian Huxley and his wife visited the laboratory in Maine on the twenty-sixth of August 1956. While this may appear to be exhibitionism, the Yogin develops this technique in order to "clean out" his gastro-intestinal tract In my opinion the primary pmpose of these exercises is to gain complete mental control over the autonomic functions, but the Yogin makes use of each of these exercises for hygienic pmposes. The actual deviation is 6.52, yielding a critical ratio of +2.60, probability, P = 0.00467, and odds against chance occurrence, 214 to 1. A THEORY at last, allowing us to place psi phenomena on a level with other events within the mattix of scientific thought, a theory that is very speculative, a theory that often transcends the possibilities that tobacco smoke contaios many active substances other than nicotine, and the action of these substances and of nicotine is complex. The mother's mind on the other hand reached out and projected to the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that seems that she saw only the relevant portion of the scene and it seems that she saw only the relevant portion of the scene and it seems that seems the physiology and psychology of the Shaman is essentially the same wherever one operates. In this work I give you the stories of normal men and women who have explored the far reaches of their findings to check them against the facts, and be checked by outside observers. M., The Personality of Man, Pelican Books, Baltimore, 1948, pp. He was able to hold to his tongue for a brief period a steel bar heated to 2000 degrees F. the noises of the body. It is known that the sleep state is associated with an increased amplitude of the slow alpha rhythm. His father had died a few months previously and he decided to concenttate upon getting an image of his father on the film for every ttial. The clockwise motion increased and gave him a feeling of being whirled outward, in other words, a centrifugal mental effect. Peter and I lived at Glen Cove, Maine; Jim lived in New York City; and Art was living in Albuquerque, New Mexico. Putting out my hand to touch her, the phantasm vanished. The shape of this electrical wave is that of a spike with the point straight up, and a line drawn through the center perpendicular to the vertical axis of the spike represents the zero voltage level. This raises the question of the Apparent suppression being an attentive or arousal response, especially since the aura may be accompanied by an emotional distubance Rather it must be conceived of as a nonconductor, a dielectric, like paper or plastic. J., and Powell, K. I then asked both if they would remember me if they saw me again. By "complex" Shlrokogoroff refers to the total constellation of ethnographical factors in a group or society. Many experiments have shown that Hurkos is not only capable of describing images on the photograph, but also of getting intelligence other than that physically recorded on the film. Whole new octaves of human awareness, of cosmic energies, previously expressed in terms that only a few could understand and accept, are about to be unveiled to maokind-as-a-whole. As far as the eye could see, there was no leakage of light into this room. When the author visited Mitla, Oaxaca, Mexico, in the summer of 1960, he was informed by Walter Miller that Amanita muscaria was found in the environs of Mi.tla by Roger Heim, the well-known French mycologist. of Vitamin C, he resorted to the use of Vitamin C, not knowing about the state of cholinergia. There I came upon Boris and Lomar. I was curious about this event. I was most intrigued by this description of her experience. In other words, everyone present had witnessed the same hallucination. Garrett read the message of Dr. Wilson in his unconscious? Peter immediately gave a description as follows: "I see a small boy of age nine or ten. He not only sees the image of a remembered tree, but begins with the seed of the tree and watches the dynamics of the evolution of that seed through the various stages of growth into the completed tree. It is believed that the oracles of ancient Greece were familiar with the use of carbon-dioxide inhalation for this puppes. The important finding in this study was that it was possible to artificially induce a hallucinatory mental experience which resolved into an outward reach of the mind such as had been found earlier in an association with a state of cholinergia in Mis. Yogins and Fakirs have been known to publicly demonstrate this ability by performing the feat of being "buried alive" and in some instances such burials have lasted as long as thirty days. 3 This is overwhelming evidence of telepathic interaction. Satisfied, I returned to my office, again opened my eyes. The Yogin has learned to avoid these pitfalls of the mind. He cheerfully agreed to attempt this experiment, even though it was completely new to him. Cannon, 1 has made us aware that the emotional condition of extreme danger, or a tendency to flight or fight, is associated with a massive action of the sympathetic nervous system. Madness is here used in the sense of ecstasy just defined. This fonn of trial by fire is known the world over. These are species of Psilocybe, Stropharia, Paneolus, and Amanita. After taking it they fall down upon the ground as if dead, and remain thus, according to the amount of smoke they have taken. The chance-expected score is 48 hits in 432 trials. His score was perfect, he got ten correct matches out of ten trials. Johnson, Raynor, The Imprisoned Splendour, Harper & Brothers, New York, 1953, p. This makes it an extremely thin membrane. He said that he had been concentrating on the bust portrayal of a human head. As the carbonic-acid content drops, the acidity of the blood is lowered, resulting in a net alkalinity. Reported in the Sixth Naval District Naval Reserve publication, Guidelines, December 1959, p. Lying between these two poles is the memory area of the temporal lobe. However, if we compare the physiological changes4 that go on in hibernation with those that occur during the stage of resistance of the general adaptation syndrome in the Yogin, we find that the two states are quite unlike. 22 This cursory review of the principal elements of Shamanistic psychology and technique could be repeated many times over from other cultures and other places. However, we can say that he knew no more about the object than did Dr. Ducasse. Stimulation somewhat posterior to this area excites sympathetic responses. In other words, he tries to see things as they are, and not as his mind would color them or preconceptions interpret them. This may be accomplished by a direct action, or, as has been argued, by an effect in altering the metabolism of adrenaline (d). It is to be noted that the Shaman exposes himself to maximal auditory stimulation, and minimal visual stimulation. 2 About three dozen of the officers sent personal objects on a tray up to Hurkos, who was on stage. For this I used extracts from the mushroom Amanita muscaria, whose chief constituent is muscarine, a powerful cholinergic drug. In this state the subject lies in an environment without sound, with all the other physical sources that make for sensation controlled. 182. Marrazzi, "Some indications of cerebral humoral mechanisms," Science, 118: 367 1953. The essential feature of the passage of the Yogin through these four states of consciousness; he maintains in what appears to be normal sleep a thoroughly alert consciousness; he maintains in what appears to be normal sleep a thorough these four states of the performance by a class of chemical substances derived from conifers, namely, the Terpenes. Eugene Osty, Supernormal Faculties in Man, Methuen & Co., London, 1923. I held a camera in the dark room pointing it toward my body and snapped the shutter. the Shaman arrives, and his paraphernalia are also brought into the wigwam. The essential meaning of pranayama is mental control over respiratory rhythm, or even stopping it for long periods of time. As I stood there staring new vibrations came on and the next instant I was back in my office with the vibrations still continuing. 10 The Biological Foundations of Psi Plasma Our description of the preparatory exercises and techniques of the Shaman with his exaggerated kinetics, and the Yogin need not be two opposite approaches to autonomy. The children up the stairs coincided with my visit, as near as I could estimate. This research was reported in an address to the Psychic Research Society, Massachusetts Institute of Technology, Cambridge, Mass., October 30, 1956. I am entirely responsible for the use to which it was put. Thus to get a sine wave in the Yogin we increase the capacitance to 4 x 10-4 Farads, and increase L to 1 Henry. Light from some source strikes the individual being photographed, is reflected from his surface, and enters a camera box. In addition to its properties as a capacitor, rectifier, and resistor, the plasma membrane has the property of magnetic induction. See Appendix A for details of this experiment. The plasma membrane in addition to being a capacitor is also a rectifier. In order to know more about this mental stage that the Shaman enters, it is necessary to go to the study of Yoga. We must remember that up till now the Yogin has brought under complete control sensory noise from the physical world, internal noise of the body and all that this implies, and has achieved complete control over the states of adrenergia and cholinergia both in regard to specific organs and with respect to his general mental state. "Occasionally disorders of thought are found associated with wildly exaggerated alpha characteristics, but mental illness is usually accompanied only by the most subtle and evanescent changes in the EEG. It takes roughly fifteen minutes to drive to the post office from their house. The more well since that time. The more such private laboratories are placed in operation the quicker will the truth about ourselves be revealed. I breathed harder, faster, and I moved faster, until the now familiar blue blur was all around me. The first is samadhi "with support." and this means the nuclear mental entity is still dependent in some way upon either the physical world as form or energy, or upon the physical basis of sensations, ideas, and memories. In the epileptics there was an increasing prominence of alpha activity and a diminution of the amplitude of prior abnormal potentials." Strauss, et al., Diagnostic Electroencephalography, Grone and Stratton, New York, 1952, p. What follows are extracts taken from a diary which he has kept of his own experiences. once again we have the possibility of a synergistic convergence between science and religion-reinforcing rather than demeaning each other's goals. They expressed happiness that I had finally come to, I had been ill for a long time, but that now I would be all right. They helped me get out of bed and I was dressed in some form of robe (their dress seemed normal to me), and I knew that I was not the person they throught I was, I tried to tell them, but they seemed to think it was still some form of delirium. For this reason a Shaman does not like the presence of spectators who do not participate in this action. In general the parasympathetic, as we have noted earlier, causes marked contraction or increased tone and motility of the gastrointestinal tract. Therefore we can imagine that the nerve impulse starts from its resting potential of minus sixty millivolts at the peak of the spike, and then drops down again through the zero point to reach its resting potential of minus sixty millivolts. Open nature. This is unlike the Shaman's doctrine, where rapid and violent movements are unconsdously carried out. 4) The cataleptic state of consciousness. He had had an impulse to call me a few minutes earlier just to see how I was getting along. Both of these effects result in an increased pressure of carbon-dioxide gas upon the neiVe cells of the brain. Yoga conceives that the physical source of pranayama. The question arose as to whether this was Dr. Wilson ringing me. In the most juridical fom, particularly that prescribed by old Scandinavian and Anglo-Saxon laws, the witness is required to walk barefoot over glowing plowshares, generally nine in number. The use of the term "hysterical fit" simply denotes that the Shaman loses the technique and the aim of the irrational, and since he is under severe stress he may have a true conversion hysteria. "The picture is complicated still further by the fact that nicotine first excites and then inhibits most of the central netvous system. Nora Chadwick, Poetry and Prophecy, Cambridge, 1942. 8. By this time all of the subjects had achieved mild inebriation, had mild hallucinations, but still subject that their intuitive capacity was heightened. Up to this point the Yogin has reached the stage where he can consciously release the kundalini energy. My wife reported that they had returned only a few minutes previously. J. Nicotine imitates the effects of muscarine by stimulating the ganglia from which cholinergic nerves arise. I felt that I was absolutely and unconditionally detached from "everything." In short, I was the only existence. He completed this test, in spite of his inebriated condition, in three seconds. Now we have to complicate our two-cell model a little further, and add a third nerve element to the picture. She looked at the clock, it was exactly 5:30 A.M. She had no idea where her son was or why he should be in an auto accident at this hour. We see mind breaking through the barrier of space to reach another mind with an exchange of intelligence. I remembered as a child experimenting with a can of gasoline, smelling it until a dizziness came over me. F. I asked the woman who seemed to be my wife, and she replied that it was 1924. Certainly not the two businessmen who were with Hurkost in Florida, nor the owner, nor the veterinarian. At the end of each such nine trials of guessing skill the computer automatically calculated the following alterations in cerebral physiology (20 to 35 inhalations were given): 1. Be. H. On the basis of a mass reaction alone one would assume that Hany would be primarily guided in his choices by the largest number of individuals who either consciously or unconsciously were thinking about the place where the object was actually hidden. 1 We can accept the existence of telepathy with confidence, and go on to inquire as to how it works. Somehow Sullivan got the idea that Tommy Whittaker might help him. I floated into the air, turned on my back, and dove, and again in the tunnel, my thought was to return to my office, which I did, coming seemingly out of the tunnel and floating in the office. A quantity of one gram of tobacco yields two liters of smoke. As a peacemaker I took up the questioning and finally asked Peter to identify the member of Jim's family involved with this vision. Here the pullIOSe is to completely dissociate sensations in the mind from their physical origin in the sensory receptor system. Garrett and Harry Stone. I'm sure there is more but I could not recall all of it at this moment of writing. The center of the room was bare, such as a dance floor. The of death. Frequency of an electrical oscillation: v = For plasma membrane: 1 L C 0.2 Henry 1 Microfarad Mlf2L2 = = M 1 (jL-z fl Taking these values we find the resonant frequency of normal nerve by the above equation to be approximately 360 c.p.s. 2a. There might be something wrong. "So he drove off, leaving Danny alone to finish up. Glands-Secretion of tears, saliva, pancreatic juice, gastric juice, intestinal juice, and bronchial secretion, but not milk, urine, or bile. The change in magnetism that the current in the coil generates is called its inductance. As I sat with Mrs. Mr. Wedlock led the conversation with Abdul Latif around to ao inquiry on the use of vocal sounds in increasing telepathy. When the plant has done its work they recover and give answers, based on the visions and illusions they had while in the trance, and interpret as seems best to them, or as the devil advises them...." Let us now turn to the effect:; of tobacco smoke and its chief alkaloid, nicotine, quoted from Erich Hess, Narcotic Addiction, Philosophical Library, New York, 1946, Chap. As Hurkos carefully adjusted the frequency of the flash, the brilliantly illwninated and colored geometrical pattern in his mind began to slowly revolve in a clockwise direction as he viewed it. (After Lennox and Cobb, from Best and Taylor, page 1037.) ALidos!:s P q 1t1lth~ :rlum Cben:ricaT ConsHtu• cn:ts l me:uts o € fasting:, diet ot adt!¥ nr ::oJanccd AppendixF X, Y, Z, co-ordinates of 3-space are laid out as spherical coordinates. Therap., 65: 395, 1939. He seeks to keep his attention unwaveringly fixed upon the candle as long as possible. Sir Henry Yule, Travels of Ser Marco Polo, 3 Vols., John Murray. She didn't respond, then I floated back over my own body, and began to have concern about my getting 'back in.' Floating down I came in face to face contact with my body, but felt nothing. One exception to this rule is in the case of the coronary vessels, where the parasympathetic causes dilatation. His tongue is bent backward so that the tip of it enters into the posterior portion of the nasal passage. For our convenience we will describe, henceforth, parasympathetic activation as being a state of cholinergia. Songs 4:6, 14). 158. What is this mechanism? 361. These effects are not prevented by atropine. This is compounded by retention of certain acids such as the phosphates and sulphates. Certainly in the short-term phase of adrenergia and particularly during dancing and exercise, the blood sugar would definitely tend to rise. This is illustrated in Fig. 5, No. 3, Spring issue, 1957. "Besides the muscarinic effects: 1) Disturbances of the equilibrium. When the concentration of adrenergic substances is further increased, the post-synaptic threshold is raised for both the inhibitory and the excitory fibers. I clearly saw the drain, and the water on the tiled floor. However I thought I heard Boris say to me, 'Well I can certainly see you won't have to use the cement can fumes anymore.' Thinking I had made contact, and feeling I should return, I dove hack into the ground, and returned to the office, rotated into my body, opened my eyes. 200 42 2.10/10 10.5/50 3 Telepathic Networks with Individuals Serving as Unconscious Relays Telepathy is never as simple a process as dialing a telephone to get your party. The psychological experience that goes along with carbondioxide and oxygen administration can best be illustrated by one of Meduna's subjects. "Though buried under the earth, he shouted for help, hoping the children might still be around and hear. The supposed "astral-etheric body" is proving to be a biological reality. Much of what this book deals with are energies, physic, which have no mass. 5-20, 1946. By such a survey we hope to arrive at some general concept of the biological dynamics, mental dynamics, and physical dynamics, mental dynamics employed in order to be better able to ask the proper questions of nature so that we can eventually understand and control the personal psi plasma. See: W. Then the Shaman rises. I explained this carefully to Peter and assured him that he would not in any way be hurt. There is no question that the techniques of Yoga are far advanced beyond the crude techniques of Shamanism. M., Psychomenta/ Complex of the Tungus, Kegan Paul, Trench, Truhner & Co., London, 1935, p. He begins to sing, to move rhythmically and from time to time make short leaps, while his assistant is drumming. It is difficult to find any common chemical basis for the many substances so used, but it appears that the traditional usage centers around substances that chemically are terpenes. Each of the six observers wrote down that the light spot looked like the faint image of a human head, and some of them thought that it looked like the faint image of a human head. on the inside is about ten times greater than the concentration of Na+ on the outside. During the course of the sitting she commented upon the fact that she had no sensation of any electrical charges being present at all. Howard C. Rawcliffe, The Psychology of the Occult, Denicke Ridgway, London, 1952. The thin dielectric then has a conducting medium on the inside of it and on the outside of it, and these are the tissue fluids of the body. Some of the better known of such drugs are: Soma-5ee: K. It is apparent, however, that it is a conifer. membrane potential 5.3-6.6 MV) Decreases speed of condition of impulses Increases height and duration of action potential Increases resistance to fatigue C02 increases ability to perform work. An excess of carbon dioxide is definitely developed in the blood by both the Yogin and the Shaman. If one takes in a very short shallow breath and quickly thereafter exhales with a long sighing breath, one has set the stage for the rather rapid production of alkalosis in the body. five miles distant from my office. Man has been exploring his mind since time began, and out of it has come all that we lmow. I opened my eyes again, feeling completely conscious, and everything seemed normal, except the vibration and roar-rumble still in my head.13 "I closed my eyes again, and they both grew in strength. Ecstasy requires enormous energy so that all Shamans whom I have observed and who really have been in ecstasy, were unable to move after the performance and were covered with psychic gifts. It is the opinion of the author that the early stimulation and output is at its peak. In the lower right-hand comer there was seen a spheroid of bright white, shaped like a bald-head profile, surrounded by a light halo effect. For a general introduction to laboratory research in ESP see: Pratt, J. The Commander was driving about fifty miles an hour and apparently did not realize that the tail lights in front of him were standing still, and he rammed into the rear end of the police car. 255. 3) Hallucinations. "Put in this attenuated form, and given the proviso that the required mechanism has to be contained in the human head, a communications engineer would jump to the only conclusion which would seem possible to him; A scanning mechanism.... It gives them great elation and joy to watch this awesome display of nature. "My husband, in a very agitated manner, caught up the lamp and, turning to me said, ...1 mean to look all over the house and see where he has gone." By this time I was exceedingly agitated too, but remembering that the door, hastened out of the room, and was soon searching the whole house.' Mrs. The evidence is all to the contrary and there does not appear to be any factor of hypoxia, that is, lowered oxygen supply, as being a vital factor in the ritual of the irrational. Rolling in the air, I looked back down at the bed and there was my body, still in bed! "My wife was sleeping alongside my body, and I could clearly see her. Robles Gorriti and Antonio Mellina, "The Application of Ion Therapy in Hypertension," National Ministry of Public Health, April 12, 1954, Buenos Aires. & I watched, a man in an illitting suit, rather chubby, walked up to the stand with several pieces of paper in his hand, made some announcements to the assembled people, reading from the papers, then stepped two steps down from the stand and walked away. 25. (See Appendix A.) The relationship between the ionized states of oxygen, ozone, and carbon dioxide in the case of photographs of the same person that his best intelligence was obtained from a negative film of that person, less intelligence from a positive print of that negative, and very little or no intelligence from a printed reproduction of the eight films had any density, and this density fell into an image pattern. Soon after this he begins to sing. As I brushed on the cement,. Norton & Co., New York, 1953, pp. In general I would say that he did have knowledge about what was in that package, and more so of the people who had owned it For example, he was quite certain that Dr. Ducasse had not bought this, but that it had been given to him; that the person who had given it to Dr. Ducasse was dead; that the object was very, very old. "Then came the most impressive and convincing noninhalation experience to date. He also found that such imaginary parts, for example his hand, could pass through the solid matter of the floor. However, he had no intention of using telepathy to reach Bill. Aschheim, Emil, "Ion Adsorption and Excitation," Science, March 20, 1959, p. At this moment I simply cannot remember it clearly. Six months after this reading the woman in question began to develop severe cramps, irregular bleeding, and low back pain. This is best exemplified by the kind of resistance the Shaman develops to cold and other stress.23 This is equivalent to a high degree of effective adrenergic response to stressful situations. He was not seriously injured and recovered satisfactorily. Shamanism then is defined as the mechanism of a self-regulating psychomental complex. Therefore, although trance and hibernation may appear to an outside observer to be very much the same condition, it must be emphasized that they are, if anything, physiologically speaking directly opposite conditions. In terms of our general concept this is a mixed form of stimulation, and in the early phases by adrenergic excitation, and sleep the available evidence indicates that there is a predominance of the cholinergic or parasympathetic effect. The amazing thing about the nerve plasma membrane is that the values for each of the components listed are unusually high. In trial number six Hurkos held a camera in his hands in the dark room and when he snapped the shutter he said that he saw "Lines, just lines." The film was developed in sixty seconds. More remarkable is the ability that the Yogin develops over controlling his heart rate. In the average individual five to fifteen breaths of such a mixture leads to a rapid sequence of events. John L. The resistance to heat which the Shaman evidences by feats of fire-walking appears to be at an opposite pole from his resistance to cold In general this latter condition combined with athletic power can be viewed as an effective degree of cholinergic response. This mental "something" which activates film must be that which is later recoverable by the technique of psychometry as intelligence. Twenty-six normal human subjects were used. "Whittaker didn't even know that Sullivan was at the Washington Street job. Upon the termination of this experiment she was given a twenty minute break and another experiments we can conclude that most normal humans will show extrasensory perception as telepathic receivers when they are under the domination of cholinergi.a. The second group of experiments were based on the fact that an excess of negatively charged ions in the respiratory atmosphere produces mild cholinergia.12 In these experiments only two subjects were tested, both of whom could normally score significantly above chance in telepathy tests. I am particularly grateful to Dr. Marrazzi and Dr. Harry H. All of the observers, including the scientists, saw the Fakir throw a coil of rope in the air and saw a small boy climb up the rope and disappear. Marco Polo does not mention it in his travels. and R. The actual deviation was 2 hits, and this is a chance-expected score. One would assume that fasting would lead to a lowered blood sugar. In this situation we have the following elements: Dr. Wilson had an abrupt impulse (adrenergia?) to call me on the telephone. It imitates the effects of adrenaline from the adrenal glands. D., "Physiologic changes during exposure to ionized air," American Society of Heating & Ventilating Engineers, 39: 965, 1933. She knew the time by back checking from the time she arrived at the post office, twenty minutes to five. It showed the expected image of Hurkos holding his daughter although the quality of the photograph was poor due to underexposure. Propelled by some unconscious urge, I left my studio, and went up the side of the hil to my office retreat Lying on the couch at about four in the afternoon, sun streaming in through the window from the studio-the exact relationship between fields of force and forces themselves-specifically electrostatics, electromagnetic waves, and magnetism. All became clinically intoxicated. In a desk cubbyhole, a piece of plywood bad to be glued in place with a cement. Hurkos found that at a frequency of nine cycles per second he would have the following experience. He then either leaves the clan or is driven out and retreats to the woods for a solitary life, braving all the elements. The inside conducting layer of the dielectric bas the properties of a cathode, that is, negative charges will migrate toward it. This time instead of using the Polaroid camera and film, I used plate film, Ansco Orthochromatic contrast process film. 325--36. As is shown in Appendix D, Table I, this condition holds during the later phases of the ritual of the irrational. I felt that the door in this impression was merely a symbol. Now the drumming is slow and the singing stops. Professor Ducasse sent the following letter after the reading by Hurkos was completed: "The object contained in a sealed package I gave Mr. Loring to submit to Hurkos for psychometrizing is a small pottery jar, that was broken but mended, which was given to me in 1922 by the late Dr. Stevenson Smith, Professor of Psychology at the University of Washington. Bernard Bromage, Tibetan Yoga, 1952; The Occult Arts of Ancient Egypt, 1953, The Aquarian Press, London. This score exceeds the 1% level of significance, and it was concluded that the subjects' intuitive capacity (interpreted as telepathy) had increased as a result of the mushroom-induced cholinergi.a. Test II was repeated 2 hours and 26 minutes (average) after the mushroom had been eaten. Benjamin Paul Blood published two works on his personal experiences with nitrous-oxide inhalation: The Anaesthetic Revelation and the Gist of Philosophy, Amsterdam New York, 1874; and Pluriverse, Marshall Jones Company, Boston, 1920. Maria resisted this idea because she felt he would merely irritate Jim, who would think it was another phone call about the pilot film. On the sixth week after the reading the boy was injured by a large tan American car (not by a yellow bus) at the crossing that Peter had mentioned, at twelve noon on a Wednesday. This latter must not be confused with hypnosis or what we normally call trance. However, to me this was not the important point. That this mushroom disappeared from use is suggested by the paucity of reference to it in the literature. It was further noticed that if Hany did not know who had bidden the object he invariably wasted a lot of time in random movements around the room before finding the object This ruled out the possibility that he was following some physical scent or track. During the course of four months Mr. Jochems, one of the people involved in these experiments, was able to develop the ability of getting table taps to the point. where he and his wife could do it alone. Here is the abridged version of this case from Johnson's book. Now as it increased in power, it swept from head to foot regularly and had the characteristics of a resonant standing wave. This sense of a complete body image and mobility of that body image with a sentient state of consciousness is, I believe described by the term I have introduced. I was well aware that in general a telepathic sender made a determined effort to concentrate during tests. The psychological conditioning based upon concentration from extreme excitability to an immobility leading to sleep? This develops control of the tides and fluxes of the mental stream of association. column of smoke rising ftom it. The doctor of the dog is not sure what is wrong with it. The doctor of the dog is not sure what is wrong with it. opposite ways.... He was engaged in a fraternity hazing party. This is indicated by the increase in the threshold for the discrimination of brightness and by the lengthening of the latent period of the negative afterimages. Titis is not only an independence from the external influences of nature and man, but also an independence from the internal emotions, tensions, and other impediments to what we might call an ideal state of self-sufficiency. These include tribes of Southern Mexico such as the Km: jaks, the Chuc: kchees, and the Tungus. I carefully checked the position of everybody's hands and feet again and could not observe any irregularity that would account for the tapping. Peter had a pilot film for a 'IV series in his possession that he was trying to sell to some television producer. Was it the hidden object itself? Also, both equations are satisfied by x = scanning mechanism." If we follow his process to its logical conclusion in the case of the selfexcited temporal soma rhythm in synchrony with the alpha rhythm, we must conclude that there is produced an "image" that is motionless and without content-a tabula rasa. OUr attention is drawn to this third party because he appears to act as a relay station between Dr. Wilson and Mrs. Hence. The pulse was weak and slow, the breathing was rare and shallow. Of the five images thus developed three correspond more or less accurately to the predictions Hurkos had made. At this time he was in the state of Washington and was calling to say that his brother, while depressed, was not seriously ill. In general the parasympathetic causes most of the sweat and salivary and gastric glands to secrete juices, whereas the sympathetic in general causes inhibition of such secretions. Whatever the plant was, it certainly induced the state of ecstasy as exhibited generally in Shamanism. Behanan also reports on his subjective experiences during such breathing exercises. I have seen this type of case repeated many times. Later, Bob tried to repeate this experience, and believing that it may have been brought on in some way by the ingestion of 1000 mgm. The fastest tempo found for a single drum was fourteen beats per second, although there is no reason to assume that faster tempos cannot be achieved; and the slowest was that of a dundun drum at a tempo of approximately six per second Some idea can be gained of the effect of such fast drum tempos on the central nervous system from the experiments reported by Gastaut, et al. I repeated the question, and more emphatically they stated, oh yes, they certainly would. 364. G., Les Champignons Halludnogenes du Mexique, Edition du Museum National d'Histoire Naturelle, Paris, 1958. The other two images did not correspond to his predictions, but nevertheless showed an activation of the chemicals in the film emulsion. We need your help to maintenance this website. 7 to 1. Then the colors left and I felt mysel being separated; my soul drawing apart from the physical being, was drawn upward seemingly to leave the earth and to go upward where it reached a greater Spirit with whom there was a communion, producing a remarkable, new relaxation and deep security. 352. NOTES Chapter 10 1. Again we note that Hurkos in this instance was not able to recover any more intelligence about the situation than was present in that person's mind at the moment. F., 'Wishing with Dice," Journal of Experimental Psychology, pp. Blood sugar-arterial and venous unchanged. The specimens came from the states of Maine, Vermont, Washington, and California. We cannot in our Western way of thinking expect to follow with any clear understanding the realm which the Yogin has now entered. These are common to many different aesthetic, ascetic, and religious exercises. They had arranged to have Mr. Wood's secretary, in Los Angeles, California, mail them a sealed package whose contents were not to be revealed to them until after the experiment was completed. I heard them comment on the strange type of hands that I had, most unusual. Here Dr. Puharich presents a coherent theory relating phenomena such as ESP, astral projection, meditative states, and shamanism. The three subjects made a total of 35 correct guesses in 297 trials for the control series. Shlrokogoroff says, "If we leave aside doubtful facts, there will remain my own observations which clearly show the physical power of a Shaman increases enormously, that his physiological state is not like that of normal people. The physician complied with Jim's request and put Art in a room by himself where there was no object or instrument available that could be used for suicidal purposes. In the main smoke current, which mostly has an add reaction, the base is contained in salt form. These cases make it appear as though something is transferred from a human being to an inanimate object and that thing is carried for long periods by the object. The Garrett-Wilson and the Hurkos-Middleton cases clearly show that telepathy can exist between more than two people at a time even though some of the members of this network may be totally unconscious of their participation in the phenomenon. It is also interesting in this connection to note that ethyl ether!lh in small quantities markedly accelerates the production of acetylcholine. of the Franklin Institute, 265: 423-34, 1953. These subjects were four newspaper reporters from the Los Angeles area.10 In order to minimize bias and error. in the test procedure, the matching game was replaced by a computer11 programmed to generate numbers from 1 to 9 (inclusive) in random order. "He was knocked down against the pipe in a more or less kneeling position. Rhine, Faber & Faber, London, 1948. The role of the drum in the ritual of the irrational now becomes clear. The ordinary individual, when he has his eyes wide open and the electrical brain activity is being registered, does not show the presence of alpha waves, these being slow sinusoidal waves of the order of eight to fourteen cycles per second.13 The Yogin, however, was able to demonstrate prominent alpha-rhythm frequency with his eyes wide open. Whittaker was able to demonstrate prominent alpha-rhythm frequency with his eyes his best friend-a welder too, who had been working for Sullivan's welding company this spring. (See Chap. It can be seen from Table I TABLE I List of physiological changes in the brain which may influence (epileptic) seizures. He rises, hands the drum to the assistant and takes out the reindeer staffs. See: Wasson, I do not mean Dr. Ducasse, he is well." As the reader may judge for himself, Hurkos' statements are a fair approximation of the contents of the sealed package. In Harry Stone we had artificially induced cholinergia by giving him a cholinergic drug, and he experienced both the usual symptoms of parasympathetic activation and the sense of traveling clairvoyance, verified by a laboratory test for clairvoyance. One night, unable to sleep, at around two in the morning I went into the room where I had been working, obtained a can, and went downstairs and sat, occasionally taking a casual smell from the can. The state of hibernation shows a pronounced increase of the thymic and lymphoid tissue in the body, whereas the stage of general resistance to stress shows a marked involution or decrease of thymicolymphoid tissue. Peter Hurkos and I were relaxing in the kitchen having our after-dinner coffee. Representative of this class is the use of tobacco and alcohol. Here is Tyrrell's3 abridged version of Sir Auckland's address before The Royal Society of Medicine on February 26, 1927. Then the new lowest limit for the holding phase becomes 144 seconds, and the upper limit for holding becomes 1296 seconds, or 21.6 minutes. Two things struck me about Mrs. This is the cognitive mechanism of the Yogin's mind endlessly scanning for nonsensory data to be recorded in memory. An idea of the gain in telepathic test scores is given by considering the results from one telepathic team. 155. "Everything seemed normal, so I decided to try it again. Fortunately he was given immediate medical attention and recovered completely. Therap., 67: 321, 1939. H., Eds., Neurochemistry, Charles C Thomas, Springfield, Ill., 1955, p. We note here that Bob had been experimenting with the separation of the nuclear psi plasma for about nine months now, and had obtained considerable control over the process mentally. He now consciously directs the kundalini energy to each of these autonomic centers. See: Marrazzi, A., Fed. 247-66. I used Peter Hurkos as the subject. Bob has had quite a number of experiences, of which only a fewer energy to each of these autonomic centers. are cited, of finding himseH in a physical body which did not belong to him. OTHER EFFECTS 1. 1bis was a phenomenally good score and confirmed, for me, her statement that she was experiencing an unusually high degree of sensitivity for telepathy. The Yogin, for example, is capable of slowing his heart rate from a normal seventy-two beats per minute to a frequency of one beat per minute, or less. The next feeling is one of mental agitation, fear, often confusion. The other tools of the individual mind is such that potentially every nook and cranny of the world can be reflected in it, and there are ways and means to experience this. Mter what seemed a long time, I suddenly was standing in what seemed to be a theater, to one side of the audience, smoking quietly in the semi-darkness. F., "Sexual Differentiation in Hydra," Science, October 18, 1957, pp. The blindfolded subjects were asked to try to correctly match the two sets of randomized cards with their hands, while an observer watched their attempts, and scored the results. Similarly the threshold for hearing rises under these conditions. His vast expetience with the timal of the irrational in Tibet and I will let you know what happens. The principal reason why little has been done with it is that the experiments themselves are not readily repeatable, and this has been the chief obstacle to an acceptance of the facts. However, the inhalation experiences did culminate in the sense of leaving his body as a mobile center of consciousness, and re-entering his body as a nuclear mental entity with an existence separate from his physical body. Now as far as I have been able to determine, Peter had never met Art. Hurkos then went on to say that in about six months the female organs would give rise to complications which would require surgical intervention. 17, p. Peter now began to feel strongly that the threat of suicide had nothing to do with Jim but with Jim's brother, Art. W.. Third, these measures increase the amplitude or frequency of the alpha rhythm (augmented by alcohol), and further protection is afforded by alcohol against epileptic seizure (by diminishing the spike potentials). The fifth control was exposed in the light and showed an image as expected Under the conditions of this experiment and according to all the laws of optics and photochemistry the five test films should have been blank for density or image formation. These are his words: "What a sweet character. Edwin D. She went to a number of specialists who eventually referred her to the Mayo Clinic. The proportion of M types is usually rather higher in science students. I repeated these experiments seven times with the same results. In the next higher stage of the development of pranayama these ratios are multiplied by a definite factor (usually 12). D., "The influence of respiration and transpiration on ionic content of air of oc01pied rooms," J. When a person is quite dehydrated, as, for exarople, after two or three days of abstinence from water, the body becomes so dry that it builds up a high surface charge of electricity. Muscarine stimulates the postganglionic: parasympathetic receptors, and so reproduces all the effects of stimulating parasympathetic nerves, but this is not its only action. A control test was given before the mushroom was eaten, and testing was continued after the mushroom was eaten. I opened my eyes, and I was lying on the couch, seemingly in the same position as when I started. This initially tends to increase central-nervous-system excitability by the mechanism cited earlier for the inhibitory synapses. I made no statement other than to ask where they were between four and five that afternoon. Therefore, dominance of the sympathetic neiVous system is called adrenergia. The first one is the one called "restraint," and this is concerned with those things which one is not to do, and this is in the area of personal hygiene, abstinence in sex, food, and of coW'Se mental and emotional restraint. H too much alcohol is consumed not only are the inhibitory cells, and this leads to staggering, incoherence, and the familiar stupor associated with drunkenness. The sense of smell is changed and they complain of every smell as being unpleasant-in an outright pathologic manner. Basic to the exercise of mental concentration is the act of visual concentration. To the x-axis is assigned the physical dimension of mass, as Ml' for OX, with unit number value [(e)(10t24] = 2.7182 X 10-24 gmlh. The Pythagoreans are loose again add the spirit of tutity is once again upon us-as this quote from a recent letter. Hurkos held the film in his hand in a dark room. I got up, looked out the door, and my wife and children had returned. You could lie down at absolute rest in a quiet room in your basement where there is no light or other disturbance, and within an hour or so you would begin to see, feel, and hear things whose existence up till now had never been suspected. Dehydration is accompanied by a loss of sodium chloride, and this loss of base further increases acidity. Hicks, US Patents No. 2,594,777; 2,640,15B. Adriani states that the primary site of action of camphor is a slightly stimulating effect on the cerebral cortex and the medulla when used in small doses subcutaneously. 1-20, 1958, and other articles in this journal. But still, Sullivan had a very clear mental picture of his friend working near the golf course in Westwood a few miles away." Here we must make a brief digression. We have noted that fasting is an important part in all rituals of the irrational. We might say, in terms of the concepts developed here, that breathing is a vehicle for building up the power of the psi plasma. Eileen Garrett in which she was to guess when a switch was turned on in another building. "Most biological structures, in the course of their function, undergo cycles of electrical, chemical, and structures in the course of their function." palustrom. The force that Bob felt was an intensification of the low-frequency vibration that he had earlier noticed only in his legs. (She had been perfectly well the receiver-and-sender relationship in telepathy. After about a half hour of such sitting I distinctly heard taps emitting from the table. Intraventricular injection of 0.1 to 0.5 gamma (0.0000001-0.0000005 gram) of acetylcholine produces prolonged sleep, distwbed respiration, and cardiac irregularities similar to vagus stimulation, but no fall of blood pressure. It was not until 1955 that my interest in these two points was again awakened by an experience I had with one of my telepathic subjects, Harry Stone. Hurkos' statement about the contents of this package was as follows: "I see in this package some brown hair from a dog. Inhalation occupies one-eighth of the respiratory interval, and seven-eighths of the interval are used for slow exhalation associated with the singing. Various observers continuously witnessed the typewriter sheet containing the record of the random target number, and its accompanying call by the subject. Garrett and Hany Stone felt they were being whirled outward mentally toward scenes that interested them, the patient in this case was fully aware of himself as a nuclear ego entirely detached from his body. Ducasse. 20-43, 1943; "The Psychokinetic Effect A Review," pp. I repeated the story in great detail to Jim. The next time he would call to ask him to send back the film, only to countermand the request by a subsequent phone call. Those who possess adequate presence of mind are sifting the ashes in order to utilize the information that can be included in the new formulations that are destined to occur. Shri Yogendra, Yoga, The Yoga Institute, Bombay, 1952. "3. She readily submitted to personal examination and it was found that when she sat at the table she had no concealed noise-making instruments on her. Two facts stand out from these investigations. It must be pointed out that he never was able to find proof that he was in another physical body. Her skin was flushed, her pupils pinpoint narrow, and her eyes were shining bright. Anyone interested in the meaning of the mystical experience should read this book. The Shaman reaches a climax of excitement and it can be assumed that the nicotine produces a balanced cholinergic and adrenergic excitatory effect both peripherally and centrally. The weight is carried throughout the performance, including the dancing. "When the Shaman's consciousness returns, the people lift him up, pass around him, produce sparks with flint and steel, ring the bell and beat the drum. I immediately gave Harry a laboratory test for clairvoyance in which he was supposed to correctly match two sets of ten different pictures. At first all he saw was dirt Then he realized there had been a cave-in. In the case of photographs, and not newsprint, it would be psychometry. & Med., B6: 753--56, 1954. Peter Hurkos was giving a demonstration before a movie-studio audience in Amsterdam, Holland, in December of 1956. Consult these authorities: Bedrich Hrozny, Ancient History of Western Asia, India, and Crete, Philosophical Library, New York, 1953. After this telephone call it was another week before I heard from Jim. No definite diagnosis had been established by the veterinarian in charge. We are poised on the edge of discoveries that will dwarf the foolishness of HIROSHIMA. The soma is a plant that has never been positively identified, but Geldner opines that all the available evidence points to its being either the Ephedra plant, or a species of Ephedra now extinct. It is very jagged, sharp points. Just how much nicotine goes up in the smoke when the tobacco is burned depends on the alkaloid content of the tobacco. Gebruik Van Paragnosten, Erven J. 1 The term Shaman was introduced into the Western world by the Russians, who first met with certain Siberian tribes known as the Tungus in the seventeenth century. The Agent was asked to hide the object in the first place in the room that came to his mind. Anchor Press edition: 1973 Library of Congress Catalog Card Number 72-34967 Copyright © 1962 by Andrija Puharicb Introduction copyright © 1973 by Ira Einhorn All Rights Reserved Contents Introduction Foreword 1 The Telepathic Receiver and the State of Cholinergia 2 The Telepathic Receiver and the State of Adrenergia 3 Telepathic Reserved Contents Introduction Relays 4 General Extrasensory Perception Networks Containing an Object as a Relay 5 The Memory Capacity of Objects, and the Impregnation of Such Objects by Mind Action 6 The Dynamics of the Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 7 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical Body 8 The Mobile Center of Consciousness when Separated from the Physical B 8 Shamanism: The Biology of the Ritual of the Irrational 9 Yoga: The Psychology of Autonomy for the Nuclear Mobile Center of Consciousness 10 The Biological Foundations of Psi Plasma 12 Summary of the Theory Appendices Bibliography Introduction Andrija Puharich has written a book that is devoted to the material manifestations of the power of psychic energy. I sat there for about fifteen minutes until my eyes were thoroughly adapted to the dark. 7. Respiratory exercise is divided into three phases. Vinod of Poona, India. "Relation between structures of epinephtine and ephedtine homologs and analogs and ability to inhibit sympathetic ganglia," J. Different doses of muscarine show a wide spectrum of effects. And as we have shown earlier, an increase in capacitance of the nerve membrane means an increase in capacitance of the nerve membrane means an increase in capacity to hold more electrons. If the oxygen supply to the nerve membrane means an increase in capacitance of the nerve membrane membrane membrane membrane membrane membrane me function and consciousness are both lost; and if the oxygen deprivation is continued for a few more minutes, the nerve structure itself suffers irreparable damage. I realized that I had probably been •out• for a moment due to the ethyl ether content of the cement. It would not be an exaggeration to say that the Shaman sets the tempo of his entire organism by the pacemaker of the drumbeat. There are a number of facts which point to the conclusion that in the Shaman, during the ritual of the irrational, there is a marked increase in the pulmonary alveolar carbon-dioxide tension and an increase in the blood carbon-dioxide content The hypercapnea is also evidenced by the fact that the smoke of a burning resinous plant is administered to the Shaman throughout the performance. called Puraka. The B personality I recognized as belonging to the body, and as my physical condition grew worse and the heart was fibrillating rather than beating, I realized that the B consciousness belonging to the body was beginning to show signs of being composite-that is, built up of 'consciousness' from the head, the heart, and the viscera. "I thought about this experience for a while. I had the feeling that I was participating in a communication as though I were listening in on a telephone line where no one was speaking. Of the five control films four were taken in the dark and turned out to be blank as expected. I had become used to his spontaneous outbursts of ideas, visions, and telepathic messages. by 33 mm. I moved my hand around in the water for some time, and didn't go deeper simply because my arm was extended as far as I could make it go. I could see through them to the bookshelves beyond. I knew that Hurkos, as a telepathic sender working with Hany Stone under normal room conditions, could achieve an average score of about twelve hits out of fifty ESP-test trials. Not only did he encounter people and scenes familiar to him from everyday waking experience, but he also encountered "entities" which are not known in the everyday world. It is important to note that Joe bad a very urgent notion of calling Bill. A ring has been lost This woman had an accident on the legs. Thus it was found that visual functions decline reversibly in hypercapnea. He sits absolutely naked and water-soaked sheets are thrown over his body. Was it the mass influence of all the people present in the room? Yet numbers of Tibetan hermits go safely each year through this ordeal. In order to include the role of the chemicals generated by the nerve we will now have to complicate our simple nerve model. The Yogins conceive of kundalini as being latent in the body and it has its origin at the base of the spinal column in the form of a tightly coiled vortex of energy. Garrett retired to her room. The gist of what I read was that in order to wilfully bing hack a condition, it was necessary to re-create the experience similar to the one desired that had occurred in the past: I took this to mean that you should 'think' of the feeling, more than remember the incident. 21. Yet no light had entered the camera or fallen upon the film. G., and Forwald, H, "Confirmation of the PK Placement Effect," pp. This was a quantitative study in which the deviation from the chance score was 14.6. The correct statements about the object covered both the past history and some of his future history. My intent in asking this question was a hope that in some way I would be able to document this visit. This experience offers an experimental test of the reality of the nuclear psi plasma in that we can attempt to get it to carry out an action. I remembered the strange effect of ether and nitrous oxide in the few times I had had it, and my puzzlement over the strange feeling, not dreams, but feeling. I give one of his cases, described as case number 5, in his book entitled Apparitions. The car plunged down a seventy-five-foot embankment John was terror-stricken as the car plunged off into the dark unknown. It almost seems as if the film captured a good deal of the life history of the subject and stored it away for many years. I myself was unaware that Dr. Wilson was trying to call me. He must, in fact, remain balanced on a razor's edge of consciousness. For small values of e the waves become sinusoidal. If the Shaman is so weak that he cannot continue to carry the costume it is assumed that he is tired and must cease. Heavy smokers consume more than 60 mgm., even up to 200 mgm. During this period three electrical charges of ten seconds' duration each appeared in a random sequence on the walls of the copperscreen room. ..What on earth are you doing here, Sir?" "Meanwhile the form slowly drawing himself to an upright position, now said, in a commanding yet reproachful voice, "Willie!" "'I looked at my husband and saw that his face was white and agitated. f Mark Nickerson and in two test series after taking the mushroom. In the next trial Hurkos held the camera in a dark room, but this time was not allowed to snap the shutter at the moment when he had an image clearly in his mind. I waited awhile and a heavy roaring started in my head, and some sense of low vibration appeared in my head, and some sense of low vibration appeared in my head, and some sense of low vibration appeared in my head, and some sense of low vibration appeared in my head, and located to stay with it this time. For further information see: Boulton, Laura, and the Hudson's Bay Company, The Eskimos of Hudson Bay and Alaska, Ethnic Folkways Library, Album No. P444, 1954, N.Y.C. Boulton, Laura, ibid., Side 1, Band 1. I do not believe that the psi plasma has any direction to it, as we ordinarily know direction, and Bob shows his acuteness as an observer by being aware of this. 198-210 (Penguin Ed.). In my experience it turned out that Harry usually responded to the person who was most vitally interested in influencing him. I hope this adds to your reading pleasure. Evelyn Underhill, Mysticism, E. In order to be elected a Shaman he must first pass a test wherein he recites a list of the spirits by heart and answers questions concerning the details about the spirits in order to be elected a Shaman he must first pass a test wherein he recites a list of the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits by heart and answers questions concerning the details about the spirits about the spirits about the spirits by heart and answers questions concerning the details about the spirits about the s recognize the necessity of maintaining either a normal or an elevated supply of blood sugar to the brain during the ritual of the irrational. 2 The sender in this experiment, Mr. Loren Wedlock, was sitting outside of the copper-screen room and observing Mrs. Among the Bedouins, disputing witnesses may be tested for their veracity by being required to lick a white-hot spoon, the liar presumably emerging with a charred tongue. The psychomettist holds an object of the Agent. I have had this story directly from Dr. Rudolf von Urban. However, we are principally concerned with Yoga technique and not its ideological evaluations. The second includes techniques which activate cholinergic processes

that normally serve to protect against an epileptic seizure. The Yogin aims to accelerate or slow down his heart principally to exercise his new-found mental control against something. Coe has the theory that moisture secreted by the sweat glands forms micro-globules on the surface of the skin, and this serves as a barrier to heat penetration. This is a beautiful description of the way in which the will can manipulate the imaginary arms of psi plasma independently of the position of the physical anns. And a similar ordeal is carried out with melted lead in Burma. In order to determine how fast a tempo can be achieved by a drum the author analyzed a number of recordings of cult drumming of the Yoruba of Nigeria. 2 The Telepathic Sender and the State of Adrenergia When we come to analyze the physiology and psychology of the sender in telepathic interaction we have much less data to work with. Modem primitives believe that their intuitive capacity is increased by eating certain species of mushrooms. 7 The muscarinic mushrooms were used in these experiments because of their availability in the United States. D. V., Electrical Phenomena at Interfaces, Methuen, London, 1951, p.265. The receiver is in a state of adrenergia due to relaxation and sleep, and the sender is in a state of adrenergia due to relaxation and sleep. between Mrs. In the meantime John's mother and father were asleep in Salinas, California, about 180 miles away from the scene of the accident. NOTES Chapter 4 1. Working with hlm was Darmy, a welder from another company. This penetrated her consciousness and she without knowing why merely passed the name of Dr. Wilson on to me. The first change is known as metabolic acidosis and this results from excess production of certain organic acids such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies and lactic acid; and from excess loss of base, such as acetone bodies acetone bodies acetone b ions, Na+, on the outside surface. He seemed to sense the object more as it existed when it was fragmented in connection with an explosion. To the Z-axis is assigned the physical dimension of time as T for OZ with unit number value (eirri = 1 sec. The Indian Rope Trick has also been described as an elaborate illusion. Such a state is known to all those who can assimilate a different personality,8 or what we have described as the mobile center of coll5ciousness. Using the same gas mixture in man, Meduna and Gibbs (ibid., p. I am sorry to bother you again but I am not calling about the movie film this time. Other investigators had already pursued this problem with positive results. This is a good description of volume transmission through the nervous system, described later in Chapter 10. of the New York Academy of Sciences, Vol. Garren and I had been sitting. We ask whether Puharich in this instance acroally reflected the message of Dr. Wilson in his unconscious? I asked for a calendar, and then decided it was better simply to try to find out the year. In the meantime the drwnming assumes a very fast tempo and the singing becomes very loud. I tomed back to the experiment just completed with Mrs. In the technique of Yoga these are not predsely identified with the autonomic centers, but are spatially in the same area, and are called chakras. 18. Because of the extreme cold, the sheets freeze immediately. Alexandra DavidNee!, Magic and Mystery in Tibet, Claude Kendall, New York, 1932. When Dr. Wilson arrived at my home I told him of this curious coincidence, and he, wanting to make sure that it was his phone call that was heard on the tape, called the long distance operator to get the rime at which he had placed his call earlier that afternoon. The trench had caved in. Krivoy, Hart, and Marrazzi, "Inhibition of phrenic respiratory potentials by adrenaline and other sympathomimetic amines," Fed. Lamar stated that roughly at four twenty- five, they were walking out of the house toward the garage; she was going to the post office, and Boris had decided that perhaps some ftesh air might help him, and had dressed and gone along. This drug is the more interesting in that while it blocks excitatory adrenergic functions, inhibitory adrenergic functions are not blocked and in fact are brought into sharp relief. Sollmann, Torald, Manual of Pharmacology, Saunders, 1948, p. Death was around here. 12. It is believed that this is permissible since the same practice is found in many other cultures that use different forms of the terpenes. I observed this for the first time in the spring of 1959. - "Cholinergic excitation and adrenergic inhibition common to peripheral and central synapses," The Biology of Mental Health and Disease, Roeber, Harper & Brothers, New York, 1952. Here we have an ideal illustration of the adrenergic state of the sender, and the relaxed cholinergic condition of the receiver, the mother. Fom the smell. Gastaut, J. But after a few shouts he became short of breath. It is a curious fact that the Yogins who have returned to speak about it are not able to give us an adequate description of where they have been. In retracing his steps we will in the following chapters go into some of the minutiae underlying the practices of both the Shaman and the Yogin. The effect occurs a few minutes after the inhalation of 5-7%. Woolley and E. whereby he saw an event twenty-three days before it occurred. " 'I'm going up to the Washington Street job,' answered Whittaker. and placing a few drops of water in it. Petrullo, The Diabolic Root, University of Pennsylvania Press, 1934. Since recordings of the Tungus from recordings made of the Eskimos of Southampton Island to the north of Hudson's Bay by Laura Boulton. We see that the neiVe cell through its plasma-membrane shell is an electrical generator and that the wave form, frequency, voltage, and other electrical characteristics have been thoroughly measured. The critical ratio was +0.36, and odds against chance, 2. This is a profound biological change induced by the simple factor of carbondioxide pressure. This is what Hurkos said about the sealed package: "This object blew up-an explosion. His back is straight and his legs are crossed in the traditional lotus posture. Harry was asked to leave the room and was always accompanied by someone who acted as a monitor. The spike-component duration is about a thousandth of a second, and nerves can conduct such impulses at a maximum frequency of about five hundred pulses per second. This can be most simply visualized by imagining voltage as a pressure. The book was riffled, turned around so that I could be sure that it was a book. ... A most astoLUJ.djn.g 'trip.' It started in the same manner as the others except that instead of floating upward, I seemed to be traveling rapidly through space. A musical person. At a certain point he crosses an intersection." Peter went on to sketch the details of that intersection. This obseiVation brings out the unusual selective aspects of the telepathic process. If this were an halludnation it could only have proceeded from her husband's mind, becanse the wife did not know that her husband's father had been a naval officer. Frequency analysis of such recordings (with both the drum rhythm is 214. She reappeared in about an hour and said that as soon as she had awakened from the trance she had experienced severe abdominal cramps. He points out that the first fifteen to twenty minutes of the Ujjayic breathing exercises results in a sense of tingling all over the body, and mental excitation. Mr. Wedlock, through an indicator in front of him, was able to tell when the electrical charge occurred This experiment is comparable to the Lawrence Harmon story just described. But in general we can say that the preparatory stresses of the ritual of the irrational lead to markedly active production of the adrenocorticotropic hormone which leads to a strong and efficient organism. 5. It was unforgettable, and a step, a tentative step, in controlling this new factor in my life." NOTES Chapter 6 1 Since then she had been holding table-tapping sessions at irregular intervals for family friends. The test experiment was done in a cage whose outside walls were at 10 Kv DC negative charge (or higher) with respect to ground: and the cage contained a generator of negative ions. It could have been one of the imaginary bodies created by his own ideational process. They knew that Peter was definitely referring to their son. As we watched this dramatic scene, Peter suddenly turned to me and in great excitement said, "I see it. 1, Chap. However, we must think of the increased rate of oxygen consumption as being basic to both an increased metabolic rate and an increased calorigenic output. For Tibet see: David-Neel, op. This is comparable to having water in a tank at an elevation exert a pressure through a pipe at a lower point; the pressure in the water tank. A very small dose of muscarine produces a feeling of relaxation, well-being, an increase of muscular strength, and as shown earlier, a facility for telepathy. Yoga defines the stages of consciousness as: 1) The awake state of consciousness. This night, he turned back into the heavy traffic aud drove to Washington Street. Several times I was overwhelmed by what seemed to be a tightly jumbled series of voices, mostly in languages I did not understand. History and tradition also throw some light on this problem. He believes that he is actually reconstructing the idea forces of nature and is studying their dynamics. From this factual perception he learns to draw the correct inferences. For India see: Behanan, K. Af. 269-75, 1955. I have written as simply of these explorations as I could in order to reach as many minds as are ready. It illustrates an aspect of Sir Geddes' case in Chapter 7, where the percipient becomes aware that each of the organs of his body has a separate psi-plasma constitution. It would appear that the mediumistic individual is an agent in the release of pulsations of either positive or negative energy which in tum energize the table in a manner that is audible to the human ear. acting as the sender, sitting at the foot of her own bed. Adtiani, John, The Pharmacology of Anesthetic Drugs, Charles C Thomas, Sptingfield, ill., 3rd Ed., 1954. 3 Two businessmen, Mr. C. I noticed after I passed this point of being aware only of self that I gradually related other things to myself. (Wahe) Even the impression of whether a cigar is strong or mild has no causal connection with its nicotine content. We have suggested earlier that the state of hibernation of animals. When a nerve secretes adrenaline, it is called an adrenergic nerve. As is well known, consciousness is intimately dependent on the presence of oxygen in the nervous system. Ford, "The Distribution of Poisons in Amanita," J. The computer was the Clary DE-60 made by the Clary DE-60 made by the function of telepathic senders. In the first part of the book, Puharich brilliantly and lucidly presents the evidence for a nuclear psi entity or component, called "psi plasma," which is commonly called tobacco, is a very ancient herb and known among the Indians, especially those of New Spain... The increased capacitance and the rhythmic sine oscillation of the electrical potentials of the nervous system as a whole are the keys which will eventually clarify our understanding of this most important problem. 3 Having established this hypothesis we will now examine the physical and chemical changes that occur in the longterm preparatory phase of the ritual of the irrational. If you believe that this is not 'IffY interesting because your life has not been exciting, I want to show you that this is just not so. Moncrieff. This group is known as M, for minus, and consists of persons whose thinking processes are conducted almost entirely in terms of visual imagery. The tongue and other mucousmembrane surfaces of the body are also covered with moisture and this secretion is principally regulated by the cholinergic system. At a slow smoldering, 0-4% of all the nicotine is found in the smoke, at a medium speed of burning 28-33%, at a quick burning 40-55%. Above it were a number of wavy lines which looked like a triple exposure of indeterminate shape. by Stanley de Brath, Methuen & Co., London, 1923. If you will look in your wallet and verified that there was a woman's photograph next to where his son's photograph had been and that the description Peter gave was in reference to it. Others are terrified by a flash of lightning and by the rumble of thunder. We are not told whether the filtered air simply serves to release the kundalini energy. I sailed far above an enormous white cloud bank that extended in both directions as far as I could see. In repeating the same test with other sender subjects I found that the results were variable.4 Some subjects got higher scores. Tills is not too unlike the process following the climax of erotic excitement, and was probably the end-point of the Bacchanalian ritual in Ancient Greece. Such experiments have been conducted at Duke University, 5 and the results indicate that dice can be controlled far beyond the expectations of chance. If we examine the relationship between the inductance and capacitance in this equation we find that an increase in capacitance will be the principal factor which will lower the frequency. She was rocking herself backwards and forwards as if in pain. When stress is extreme there is a third effect, a degenerative effect, which shows up as ulcers of the gastro-intestinal tract However, in our discussion we will not be concerned with these pathological aspects, since they are avoided by the Yogin and the Shaman. I sat perfectly still for about an hour in one of the simpler Yogic postures. He had persuaded Jim Middleton to show this pilot film to some of his friends in the television industry. hour." This case clearly shows that the sender in this telepathic interaction was Sullivau. These, for purposes of description, we could call the A and B consciousness. Before I developed the film I asked him in the presence of six witnesses to describe what it was that he was trying to impress upon the film. In this so-called secondary smoke current, the nicotine is contained in its free form; the smoke gives an alkaline reaction. When you blow in their fac:es they will react with violent gestures of self-defense. I myself have not witnessed physical levitation, and have to rely on the testimony of others. 195. The tools of the Shaman's trade can be divided into two classes. Or did Mrs. "A strange woman smiled as I opened my eyes, and an older woman was with her. The telephone bell bad not rung. I quote: "The arrest of pre-existing sporadic epileptiform discharge and reduction in voltage of all forms of electrical activity at the outset of a clinical seizure must be explained on a different basis. These experiments dearly convinced me that pulsed sounds can appear out of a wooden table when there seems to be no possibility of any of the people present at the table making these sounds by fraudulent means. Such a ray is what we will describe in Chapter 11 as the imaginary lines of psi plasma involved in telepathy. The action of a sympatheminetic drug (epinephrine) on sympathetic ganglia," 1. For a general introduction see: Osborn, A. 5 The Memory Capacity of Objects, and the Impregnation of Such Objects by Mind Action It appeared that if a photo carried a memory decipherable by psychometry, then the photographic emulsion might be a good starting point for this investigation.1 I prepared a room which was light-tight, that is, where there was no external or internal source of stray light. Certain hallucinogens such as amphetamine, and mescaline show structural similarities to adrenaline (c), and it has been argued that they exert their effect through an adrenergic inhibitory effect on cerebral synapses. As in the case of oxygen, lowering of the blood sugar definitely leads to a decrease of mental control over the normal functions of the involuntary muscular system, but he in fact reverses the rhythms of nature. Her sister at the same moment is in great pain. The number generated by the computer was displayed on a typewritten sheet, and the subject had to guess this number by punchlng a keyboard in front of him. I was about to go higher, when I felt myself being pulled back, not a tug, but a gentle definite elastic type of motion. I am sure of this. He too achieves a state similar to that of the subject in the experimental restricted environment. The next factor that we have to consider is the amount of heat production during the ritual of the irrational. I looked back at my folded arms, then at the 'bright shadow' of them outstretched. This package is about a small dog, brown in color. Another man can1e from the other end of the irrational. the corridor, wearing a bathrobe, my impression was that of an attendant, and gave me a strange look and passed by heading in the direction I had come of the film. I waited for sometime more for something to happen, then left. I was fortunate enough to study this phenomenon in the laboratory through one subject, Harry Stone. The latter part of "Beyond Telepathy" analyzes the biological, physiological, and psychological conditions leading to the control of Psi Plasma, so that its activity can be demonstrated, to order, on demand. Most Shamans become aware of their calling after the age of fifteen and rarely after reaching full maturity. With this thought, I was again speeding through the blur, and I did this for what seemed a very long time. Want more? There are some interesting physiological conditions of the Bhaman during ecstasy which we will examine in greater detail. A man was sitting at the desk, and I believe wearing a white uniform. One of the men in the audience, a Commander had been driving home from a meeting the previous night about 3:00 A.M. The Commander admits to having some drinks before starting out in the car. The parasympathetic causes the pupil to dilate. Res., Vol. Shlrokogoroff tells us (page 9): "The Shaman may also breathe the smoke of Laedum Palusnum, or any plant with a pleasant smell (all conifers are used), or even Chinese incense." The burning of resinous plants and their juices and gums has an ancient history in many forms of ritual. One of the oldest recorded chemical techniques in the ritual of the irrational is to be found in the Rig-Veda, and the ritual of Soma "They were coming toward me, so I stopped. In the ritual of the irrational we will attempt to show that it is the commencement of the release of a "mobile center of consciousness." Up to the point in the ritual that Shirokogoroff has called ecstasy the techniques used by the Shaman produce two different conditions which are not only mutually antagonistic but serve to build up an excruciating psychological tension. See esp. The smoking may be with an ordiruuy tobacco pipe, several of which the Shaman may smoke quickly and without intenuption.18 Shlrokogoroff has seen five and even six pipes smoked one after the other. I give below the reading by Peter Hurkos. The holding phase is followed by the exhalation pbase, called Rechaka. 23. These early inhalation experiences resulted either in symbolic dreams, or in a confused jumble of ideas, associations, and perhaps telepathy. Spinal reflexes are measurably slower and weaker. "By the term 'psychomental complex' I mean here those cultural elements which consist of psychic and mental reactions on milieu." Shlrokogoroff uses the word psycho in the sense of psychical: "Of the soul or mind, of phenomena and conditions apparently outside the domain of physical law" (Oxford Concise Dictionary). He can perform healing on the sick In a state of great concentration the Shaman may come into telepathic communication with other Shamans and ordinary people who are at a great distance from him. It is known that in cholinergic nerves the substance acetylcholine is released and it in tum stimulates the bulb end of the next nerve across the synapse. He felt that something was wrong. These have to do with the drumming and the singing carried on by the Shaman in which he continually increases and decreases the tempo and the intensity in order to find a physiological rhythm that will lead him in the desired direction. In the meantime the drum is dried out the possibility that somebody in the room was directing Harry by unconscious cuing. This paper was published in The Proceedings of the 35th Congress of the Pan American Medical Association. Tills expedition included the following members: Andrija Puharich, M.D., Pacific Institute for Psychological Research, Stanford, Calif.; Barbara Brown, Ph.D., Riker Laboratories, Northridge, Calif.; Jeffrey Smith, Ph.D., Special Programs in Humanities, Stanford University, Palo Alto, Calif. The light was so controlled that it could flash within a frequency range of two times per second to forty-eight times per second to forty-eight times per second. "Shortly thereafter, a second attendant came up, and I asked him where I was." reported afterward having had an aura at the onset of the attack. In a few cases absurdly persistent alpha rhythms have been the first clear indication of something wrong, that what seemed unintelligible or eccentric brilliance was really lunatic delusion." W. They found that effective auditory stimulation has the following characteristics: 1) Using the range of 1000 to 5000 cycles per second a maximum response was shown at 2-3 kilocycles. 8 Shamanism: The Biology of the Ritual of the Irrational We have considered in the existence of an independent state of the nuclear mental set. The increased calorigenic output can be attributed to the great activity of the adrenal cortex as well as the adrenal medulla, both of these organs being stimulated as a result of the pressure of stress. His subjects were able to concentrate on a Japanese character and reproduce it on film by thought alone, and with great fidelity compared to the original. Analysis of the Eskimo recordings shows that the respiratory cycle is paced by the drumbeat. 9 Yoga: The Psychology of Autonomy for the Nuclear Mobile Center of Consciousness Yoga is a doctrine and a practice that originated in India. 450 ff. The epileptogenic techniques are aimed at what might be called a localized temporal-lobe activation. The Agent looks at pictures in an illustrated magazine. Secretion of sweat, contraction of the uterus and spleen; vasodilatation in muscles. In this instance we have some evidence that Hurkns' nrind was focused on the far-off dog through the mediation of the chain and the hairs sealed package. contained some brown dog hairs, and it contained a metal chain from a dog. The reason they were distubbed was that every detail that Peter had given them could be verified on the basis of his description of their son and the route he walked to school. For further information see: Geldner, Karl Friedrich, Der Rig Veda, Aus dem Sanscrit ins Deutsche uebersetzt und mit einem laufenden Kommentar Versehen, "Harvard Oriental Series," Vol. The natural mode of nerve stimulation would start in the bulb, travel down the tube and then jwnp a short distance to the next bulb element. T., Yoga: A Scientific Evaluation, Macmillan, New York, 1937. 164-205, 1940. g Nickerson and Goodman, ibid., p. Then I pointed the camera into the dark, and snapped the shutter. 5 This meant that there was a closer connection between the individual and the photograph when one dealt with the negative. The plasma membrane is the surface which is responsible for canying the electrical waves of the nerve impulse. For example, one experiment10 with twenty subjects showed that eight of the subjects very definitely had the sensation that they were physically rising in the air, although the observers were quite aware that the individuals did not leave their chairs. It is with such delusions and hallucinations of the mind that the Yogin works. If such occurred the following effect might follow: "Injection of cholinergic substances and of pituitrin in the lateral ventricles of the brain produces marked parasympathetic stimulation, by excitation of the hypothalamic centers in front of the optic chiasm. The dog has a lame left hind leg. 1 It was a pleasant memory. Headley. This is based on the assumption that the act of breathing supplies the fuel of consciousness. We have observed that the normal nerve impulse has the form of a sharp spike, and that its frequency is of the order of 500 cycles per second at a maximum. In general, if a decreases, the frequency increases, 3) Optimum response was obtained at the same frequency increases. effective. Finally he saw the hand sticking out "Sullivan says, 'When Tommy jmnped into that help had come. I lay on the couch testing the vibrations and opened my eyes to see the room, which looked normal. This would be a fair assumption, and since apparitions are always seen by some living person, it is very difficult to dissociate in our thinking the existence of a nuclear mental entity from the living organism, either of the sender or the receiver. Its effect is one of apparent excitation. America woke up one morning 15 years ago to discover SPUINIK That awakening produced the first walk on the moon Beyond Telepathy discusses an aspect of hwnan lmowledge that official America refuses to acknowledge. Garrett and Hany Stone now seemed to have an independent existence like that there is something connected with a physical object to another. The body reacts to stress in a rather simple way. Morris B. In defiance of general opinion, careful analysis shows that this effect is primarily a depressant m me, he went back to the hospital and begged the anending physician to place Art under maximum security as far as a possible suicide attempt was concerned. "Part B. With the beginning of true concentration we can no longer find physiological, chemical, or physical found the Yogin. A force seemed to be sweeping up and down my body regularly, 7 and I got a lit le used to it. Sorokin, Chap. The proper dose is one hall of a mushroom. Be. Cuny Manfred, Bioklimatik, 2 Vols., American Bioclimatic Research Institute, 1946. This special revised edition includes a new introduction by Ira Einhorn, co-founder of Earth Day and an early web developer, who worked with Jacques Vallee, Jack Sarfatti, and other scientists in setting up the Internet in its early days. However, he does state that it was repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that this was a container or jar. Research, Vol. 6. "We thus repaired and therefore it would appear that he should have been able to guess that the should have been able to guess the should have been able polarization pulse passing through a region of cortical cytoplasm in a given direction may produce a cumulative residual effect by introducing an existing element of such order, of such a kind that the region therea: fter responds more easily to a repetition of the same stimulus." It can be assumed that the use of interrupted sonic stimulation sets up a polarized pulsation in addition to the surface transmission) which fadlitates a memory function. These highest centers normally exert an inhibitory influence, enabling the organism to behave sanely and sensibly, weighing crude instincts against one another, and counting the final cost. He is very well aware of the close linkage between the memory function and the essence of mind itself. A friendly thought came into my mind which said, 'If your soaring is that good, go to it,' and proceeded to open the door so I could go outside and higher. I have never been able to understand this particular experience. Proc., 12: 338, 1953. I told the psychiatrist that it was very difficult for me to get away and I could not promise immediately that I would come. When mind is in isolation from its physical roots, it is dealing with and manipulating other imaginary products of the mind, and it is most difficult for us to follow the dynamics. Katie instructed all the sitters but myself to keep their seats and to keep conditions, but for some time past she has given me permission to do what I like, to touch her and to enter and leave the cabinet almost whenever I please. These are provided by the burning of resinous compounds and we would use camphor as an example of this class of compound. Psychiatry is certainly familiar with pathological cases of doubling of the personality. This could take the form of acute depression, great excitatory is certainly familiar with pathological cases of the Shaman this excitatory. phase is of rather long duration as evidenced by the singing, dancing, and drum beating. I then went into a bathroom, looked into the mirror and saw myself. Using the inhalation of 30% carbon dioxide and 70% oxygen as a therapeutic measure, Meduna has made the following clinical observations: Meduna, L. Such a smoking is used in all forms of Shamanizing. The Yogin may dispense with an external object to exercise the power of concentrate upon it just as he would upon the candle. Lancelot L. Here the reflected light falls upon a photo emulsion. If we increase the normal capacitance of the plasma membrane by a factor of about four hundred and introduce this into our equation, we will find that the frequency of the nerve cell comes out to 8 cycles per second, and that it is a sine wave. For the technique of ecstasy see: W. The general adaptation to stress undergone by the body has three principal phases. Nielson and Harold A. Proc., 1: 57, 1942. Bob was well aware of the fact that he could overshoot the state of optimum cholinergia, and this is similar to what is described in Chapter 8, page 97, where the Shaman gets drunk and cannot give a true Shamanistic pedonnance. Peter Hurkos was to concentrate on Harry Stone holding the sealed envelope and see if he could get any impression. This kind of respiratory cycle would serve to maintain a high pulmonary alveolar carbon-dioxide tension and high blood pC02. In the ritual the tempo of the drumbeat increases as the stage of ecstasy is approached. This was clearly a direct hit for Peter. I see a woman who lives outside of town. To each co-ordinate is assigned a number value derived from powers, x, of the transcendental number e, and of 10. I feel that I can bring you this book with more authority by mind control of what I have termed the psi plasma. Exceptions had of course been noticed; entire absence of rhythms in some cases. Likewise he was not familiar with what I was doing at the moment and therefore would have had no nonnal way of knowing that I was engaged in a telepathic experiment with Mrs. This latter book gives the details of the cultivation and trade in frankincense in the Red Sea coastal areas. See particularly the chapters on Pharmacology of the Nervous System. This retreat is of variable duration. In general either prolonged fasting or even short-term severe fasting leads to what is known as a negative nitrogen balance. 22. She had never used this ability in any professional or commercial sense. The analysis of the Shaman's psychology during the ecstasy and in ordinary times shows that in so far as the Shaman is concerned, the performance is only a special means to create a special condition which liberates the Shaman's "mental self" from the influence of his normal mode of thinking. This is probably a constitutional idiosyncrasy, as I have seen both extremes in individuals with high telepathic ability, namely those who are very sensitive to the effects of alcohol and those who seem to be insensitive and can consume large amounts of alcohol. Also J. The tempo in this recording is four beats per second. In the very advanced stages the ritual of the irrational tends to decrease the frequency of the cell elements of the brain to a uniform 8 to 10 cycles per second. Lopatin,9 that they go to sleep before the performance, and the spirits are supposed to come into them during the sleep. Sir Humphry Davy was probably the first person to report this type of experience when he inhaled pure nitrous oxide on April 9, 1799. While such experiments need confirmation by other workers, I am convinced of the basic finding that mild cholinergia13 favors the receptive function in telepathy. It can set the tempo of a massive auditory and proprioceptive pulsed-discharge through the centrencephalic-temporal-lobe circuit at a frequency of eight to fourteen cycles per second. Those of our friends who were present were seated in the laboratory facing the curtain was withdrawn for the medium lay in trance), and the cameras were placed a little behind them, all ready to photograph Katie when she came outside, and to photograph Katie when she came outside the curtain was withdrawn for the medium lay in trance). purpose. wide and 1 em. Fasting is common not only to Shamanship, but to almost any ascetic practice in the many religions which seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the carlmn-dioxide content of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of the seek to attain a higher state of mental evolution.24 It is apparent that the level of t physician, and confirmed it by his own observation, that the left Fallopian tube had a large sealed-off mass. "Our greatest blessings come to us by divine gift," says Socrates in the Phaedrus. and vasomotor centers are all subject to this double effect and salivation and vomiting are prominent features of early nicotine poisoning. We see that both techniques require extremes of stress for developing physical and psychological toughoess. First, it must be assumed that the Shaman does not go beyond the second stage of intoxication (if he is successful). They were walking me in circles around the room, and I was having difficulty walking. thus they were half supporting me under each arm. As the heart began to beat more strongly, I was drawn back, and I was intensely annoyed, because I was and what I was 'seeing.' I came back into the body really angry at being pulled back, and once I was back, all the clarity of vision of anything and everything disappeared and I was just possessed of a glimmer of consciousness, which was suffused with pain." The interesting aspect of this case of advanced cholinergia accompanied by shock is that the centrifugal mental tendency earlier described for Mrs. Garrett was in a state of consciousness which can best be described as a light trance in which she was scanning her mind for a telepathic impression. The user, or his friends, collect his urine when he is intoxicated and drink it, to get the same effect. From the moment Joe got the idea to call Bill, and finished dialing the last digit of the telephone number, perhaps fifteen to twenty seconds had elapsed. One line of explanation lies in the autonomic and central-nervous-system paralyzant action cited for nicotine. The whole preparation takes about an hour. Within these limits various degrees of intensity in effectiveness of ecstasy must be distinguished. In any case, the evidence seems to point in the direction of an increased amplitude of alpha activity during the latter phases of the ritual, and it is here proposed that after the direct sonic stimulation of the temporal cortex has ceased, the alpha rhythm (of the occipital cortex?) takes over the task of maintaining the pulsed polarization of the temporal cortex has ceased, the alpha rhythm (of the self-excitatory activity and the two become synchronized. 7 The Mobile Center of Consciousness Completely Independent of a Living Physical Body The foregoing account in Bob's own words scarcely needs comment. This is a stimulating attempt to relate psychical research to the physiology of mankind. The most important characteristic condition which makes of an ordinary man a Shaman is that he is a master of spirits, or at least a group of spirits. With the generator running on the truck, probably no one could hear him anyhow, he realized. This value is calculated from the amount of oxygen consurced during a fised period. " 'There's nobody working up there now, is there?' said Danny. ''The chest pain continued for about an hour afterwards, right in the middle of the chest, not sharp or severe. Bioi. Garrett. This can be illustrated by a simple exarople. Yoga presumably had its origin in the Vedic times of Altruistic and Spiritual Growth, Ed. by Pitrim A. For the reader who is interested, I have prepared a table (Appendix D) of the general biochemical changes that occur in the body as a result of certain stresses such as cold adaptation, fasting, and exercise during the ritual of the irrational.5 These biochemical changes give us a clue as to the effect of the body chemistry on the state of the plasma membrane. .. The toxicity of tobacco smoke, too, is determined by this base (nicotine). Concurrently with his desire to phone and going through the process of phooing he must have released a telepathic message unconsciously. It then floated over to the center of the room, and floated downward very gently, I touched the floor, and my head and shoulders seemed against the rug, with my hips and feet angling up into the air. In this circuit E = aLC where: a = damping constant L = inductance C = capacity For large values of the form seen from the heart and the nerves-which is called a relaxation oscillation by Van der Pol. None of the subjects showed intuitive capacity for telepathic reception. Expeliment number five was carried out under the same conditions and again Hurkos held a camera in the dark room aspect of the problem. 1 Its main purpose is to gain for the individual complete independence. K, Possession, Demoniacal and Other, Kegan Paul, Trench, Trubner & Co., London, 1930. In the song-declaration the statement is made of the reason of the sacrifice, to which spirit it is made, and what kind of sacrifice is offered. Closing my eyes hrough the sensation hack, but dtis time with a tingling all over the body, similar to the one felt when a foot is asleep. Long unavailable in the U.S., this is one of the very best books available on the subject of psychical research - a subject that has a much wider audience today than when the book was first published in 1962. A souvenir. The abrupt termination of the Shaman's carefully built-up intense excitement just as he reaches "ecstasy" by a stage of "exhaustion," and the Yogin's transition to peace and relaxation, presents us with the greatest of paradoxes. In the description of the performance, we have seen that the Shaman may start the ritual after a sleep, during which the spirit comes into him. evidently as a continuation of his state during this sleep when elements which constitute his normal state were at least partially eliminated. The capacitance is of the order of a million ohms, and the inductance has the value of 0.2 Henrys. C., and Brandt, A. There is another case which illustrates another aspect of this puzzling question. I am sure that I will know the name and address when I hear it again. In repeating these experiments with subjects who claimed to have such "Eyeless Sight" I have not been able to confirm the existence of such a faculty. The next moment, almost instantaneously, I was standing in a stall shower There was not a single person present in the crowd who could deny these facts. In this position the Yogin carries out the exercises for concentration dted in the previous paragraph. Therap., 69: 294, 1940. This condition of metabolic acidosis is generally found in adrenal cortical overactivity, starvation, and following violent exercises. I have already described this experience elsewhere.4 In summary, I had given Harry Stone some of the mushroom Amanita muscaria. I am the first to admit that this is a pioneering venture and that my interpretation may not entirely reflect the laws of mind. The descriptions given in the Rig-Veda of a some intoxication certainly match very closely the traditional picture of ecstasy. Parica (Pipdadenia peregrina)-5ee: Dickson, ibid. If Mrs. In spite of this unstable psychology he must be extremely stable physically and athletically vigorous. The first system that gets attention is that which controls to a great extent the rhythm of respiration, the diaphragm. It was like a bright outline, which moved when I felt them move, or made them.10 Then I started to feel a slight pain in my chest, and decided that I had had enough of this exercise, and moved the 'arms' back in place, shut off the sense of vibration, and thought about the experience. Therefore I made a number of attempts to get them to acrivate Polaroid-Land film, in this case placed in individual packs which were light-tight and could be nsed onder ordinary room conditions. But the important point is that density and some image did form where there should have been none, c:onsidering the care exercised during this experiment was lower than with the Polaroid film, the results nevertheless indicated that the human mind could activate Oithocbromatic process film. I have followed the cases principally as an observer, but have often had to devise ways of getting into this new world in order to better understand where others have been so that I could become a better reporter. The psychomettist then tries to give impressions of the mental content of the Agent. Additional references fmmd here. There is no question that the Yogin makes maximum use of the consciousness-maintaining properties of oxygen. S. His first experience was that of sleep, and this was a pleasant feeling, associated with warmth, relaxation, and a low-frequency vibration in the body. To keep our site running, we need your help to cover our server cost (about \$400/m), a small donation will help us a lot. The project there had been held up when the trench-cutting crews had run into rock ledges. As he looked into the light his whole mental field became illmninated with a multiplex geometrical pattern. 269-82, 1947. Peter's wife, Maria, now turned to Peter and said, "Peter, I think you are all worked up about Jim having your pilot film, and this is why you are thinking of him now." Peter was irritated by this remark and stated that the pilot film was not on his mind at all, but that he had a very strong impression of a possible suicide in Jim's family. In general, the frame of mind of the smoker determines the effect of the smoking. This may throw some light on the experiences of Bob Rame cited earlier. 779. Eliade14 describes samadhi as having two different conditions. This indicates an anerobic catabolism. The statistical odds against getting this score were such that he would have had to do this test a million times before such a result would occur by chance. If the stresses are carried on beyond the capacity of the body, then the third stage is reached, which is called the stage of exhaustion, in which this third stage is reached, which is called the stage of exhaustion, in which the acquired adaptation is lost We will not be concerned with this third stage is reached, which is called the stage of exhaustion, in which the acquired adaptation is lost We will not be concerned with this third stage is reached, which is called the stage of exhaustion, in which the acquired adaptation is lost We will not be concerned with this third stage is reached, which is called the stage of exhaustion, in which the acquired adaptation is lost We will not be concerned with this third stage is reached, which is called the stage of exhaustion is lost We will not be concerned with the stage of exhaustion is lost the point where they do not suffer from a breakdown. This phase of great relaxation and intense concentration is dtaracterized by exhaustion in the case of the Shaman, and a slowing down of all the rhythms in the body of the Yogin. On the other hand, when he uses certain compounds-for example, the mushroom which has muscarine (an acetylcholine effect)-tbis initially increases the activity of both the excitatory and inhibitory nerve cells, resulting in a greater over-all sense of power and control. After this had been done each individual slowly lifted his hands from the table was actually tapping. Pennes for invaluable discussions on this subject. This characteristic is not encountered anywhere in Shamanism. This is immediately followed by vivid mental hallucinations which usually take the form of precise geometrical patterns of brilliant color and of great complexity of movement. The northern Tungus Shamall5 also sleep, but ecstasy comes later. I am sure that the owner of the cylinder is dead. Hindu ordeal books, for example, prescribe the rite of carrying red-hot iron a specified distance of seven steps, after which the hands are examined for bums. There have been reports that are at rest. When I reversed the role of this telepathic team, Stone being the sender and Hurkos the receiver, there was not the same dramatic jump in scoring. If any reaches the small intestine it is rapidly absorbed from there. I have carefully checked the entire series of episodes and spent much time interviewing him. It can, as a sort of network extending from a living individual, reach not only into other minds and cause them to respond, but register on physical objects which seiVe as reseiVoirs of discrete intelligence that can be recovered in the future. 9 I started backward and down, realizing I must, and not disappointed or depressed because I had to return. I feel a woman." At this point Mr. Hurkos was allowed to actually touch the envelope and he now held it in his hands. The police officer and the two occupants of the car which had been stopped were standing on the roadside in the headlights of the police car. This experiment is very much like waiting for a telephone to ring and guessing when the phone would ring, as in the instance cited earlier between Joe Lawrence and Bill Hannon. These shifts are summarized in Table I (see Appendix D). In general we can say that carbon dioxide in certain concentrations has a remarkable restorative power on the individual netve cell/ and this must be looked upon in somewhat the same light as the structure-maintaining function of oxygen cited earlier. described as being associated with an almost perfect rhythmicity of the alpha rhythm. When we compare the control-test results, we find that the critical ratio of difference between the means, respectively 35/297 and 65/432, exceeds the 1% level, and hence is considered statistically significant. The principal similarity between the state of hibernation and the stage of resistance is that the pH of the blood is lower, that is, its acidity is increased. However, Jim had at times talked about his brother and therefore both Peter and I knew of his existence, although we had never met him physically. This indicates that he knew things about the object that could not be known from visual inspection of the object itself. The film was then developed in sixty seconds. See Boirac, Emile, Our Hidden Forces, Tr. by W. The effect is particularly marked on the highest centers. Hettinger, Exploring the Wtra Perceptive Faculty, Rider & Co., London, 1940. Metabolic acidosis on the other hand serves the opposite function of decreasing spontaneous firing of nerves, thereby increasing the threshold to physical stimulation, giving a slower rhythm and a feeling of calmness and relaxation. The carbon dioxide is administered as a mixture of 30% carbon dioxide at tense situation had arisen between Peter and Jim in the past few weeks. The distance to the Sierras was about 150 miles and John left sometime after ntidrtight on this wild journey. Peter got more and more worked up about his feeling that there was some danger of suicide in the case of Art Middleton. If the Shaman remains motionless for too long a time he is sprinkled with blood three times. 314ff. Cholinesterase allows the acetylcholine to stimulate the bulb end of the second and then it chemically neutralizes or inactivates it. 1921. He nodded good morning to his dental assistant and quickly walked to his desk. In the cases described by Gastaut an intermittent auditory frequency of eleven per second was sufficient to provoke the EEG picture of epilepsy in the temporal lobe. He has been able to heat sheet metal to a chenyred heat and step on it without suffering any burns. The clean joy and beauty I had experienced could not be dampened. In going through the various stages of consciousness his principal aim is to be able to master these states so that he can go to a higher state of consciousness called samadhi. After completing his part of the experiment he stated that he had seen in his mind's eye the image of a pipe, which looked like an Indian pipe, with smoke rising from it. However, in our present state of knowledge of the mind there are many complexities that resist simplification. Then she related to him her experience. "Welding becomes an automatic job" (Whittaker later told us), "so that all sorts of irrelevant things run through your mind and you hardly know you are working." Into Whittaker's mind, as he worked that afternoon, came the idea that he ought to go up to Washington Street and check. It was an ecstatic exhilaration that I felt as I extended my arms out from my shoulders and soared in great joy. That is, he seemed to be able, in his mind, to see through walls, and to distant scenes and places. placed in the camera. As the inhibitory effect of adrenergia increases, the height of the dam must be increased. Although the effects of Dibenamine persist for 3&-96 hours (and this woold he desirable) it i promptly destroyed by sodium thiosulfate, thus giving the possibility of counteracting an overdosage in the subject. Then he must pass a trial of which the foms are many.4 One trial is the ability to walk on hot coals without being burned. In the case of the nerve plasma membrane it will allow electrons to flow from the outside to the inside. Quoted from V. The duration of action of the acetylcholine is limited by a substance called cholinesterase. It can also be said that Peter had sensed that something was wrong with Art,. Such, for example, are cases of table tipping, furniture being moved across the room by unknown agencies, and the can, I felt as if a ray or some kind of energy had come down from a low angle and bathed the upper half of my body. I asked what day it was, and they smiled. Marcelle Bouteiller, Chamanisme et Guirison Magique, Press Universitaires de France, Paris, 1950, pp. For years this book has been out of print, in America! It is a book that bas no contemporary counterpart, and will eventually rank as a classic. I was much more interested in proving it to myself. When dehydration proceeds still further, both the first and second comparttnents become dehydrated. 33, p. "When smokers are given nicotine salts, it becomes evident that these possess no subjectively stimulating influence. He slows his respiratory rhythm from the normal rate of eighteen respirations per minute to extremes of one to three respirations every hour. Lamar stated she was wearing a black skirt, a red sweater which was covered with a black car coat. Basic to such voluntary muscular control is the doctrine that this should be done under complete mental control at every step of the way. The entire conversation with Mrs. However, the pharmacological and psychological actions of this "poisonous" mushroom are well known. The overall effect of the Amanita muscaria ingestion was that Harry behaved like a person who had become inebriated with alcohol. There was an explosion-a long time ago. The basis for my impressions about camphor has come from information furnished me by Dr. D. Of the four subjects, one did not participate in the control series due to the pressure of tinle. 1bis idea can be easily illustrated by heating a frying pan to six or seven hundred degrees F. There were 1140 trials of matching skill in the control series, resulting in 106 correct matches. John's mother awakened abruptly from a deep sleep and across her mind there flashed a vision of her son being in an automobile accident. We can only conclude that Peter had not mentioned this to him while on the telephone. Once the hallucinations set in they still felt an increased sense of intuitive awareness, but the results of the matching test scores did not support this opinion. Garrett entered the cage as usual with the problem of the oxygen supply to the brain we must consider the factor of carnon-dioxide supply to the central nervous system. When the idea of the spirit and its possible exteriorization first illumined the human brain is unknown. Other states of relaxation which have been found to be associated with an increased ability for extrasensory perception are sleep and hypnosis. In fact, there are times when it literally transcends time as it leaps ahead to cognize physical events not yet born, or leaps backward in time to reconstruct scenes long since perished from the physical dimension based on mass, M, length, L, and time, T. Shaw, "A biochemical and pharmacological suggestion about certain mental disorders," Science, 119: 587, 1954. It is as though the sender creates a mental vacuum toward which the receiver's mind is drawn. W. In some patients, there occurs a type of transient repetitive temporal hallucination-or re-duplicative paramnesia in which an event seems to have been already experienced at the very moment when it is being experienced. However, if we analyze the underlying physiological processes we will find equivalent strata in these techniques. Respiration is stimulated, but this effect is largely due to an action of nicotine on the carotid sinus. I started to rise, slowly, above the building which was U-shaped, with 'someone' still holding on to me, trying to keep me from rising. "This letter is from your wife. I could not see this ray, everything in the room appeared the same, it was as if I could sense the outline of it. 325. My husband turned, and, for a second or two, lay looking in intense astonishment at the intruder; then, lifting himself a little he shouted. For the opposite we would expect that the psi plasma has a mushroomic type of expansion, H., Pharmacology, 4th Ed., Oxford, 1953, p. cit, I floated over the top of my body, then down, rotated on my body axis and merged That is the only way to put it. The subject, in this case a telepathic receiver, looked through his dosed evelids (at a distance of about nine inches) into this powerful light. e See Marrazzi, Note (a), The Biology of Mental Health and Disease. Under the pressure of external cold he also seeks to liberate that "inner heat" which is thought to be the fuel and energy for spiritual liberation. Without any feeling of the vibrations I've mentioned previously, I found myself floating against the ceiling of my office. Trials Hits Average Hits for 10 Trials Average Hits for 50 Trials The scores fell below control levels. The first is called the alarm reaction, in which we get the effects of adrenergia which parpare one for fight or flight, and in this stage adaptation of the organism to the new stresses has not yet been acquired. ~ose suicide?" I asked. The parents then asked him how long this should be done. Great dramatic and operatic artists as well as musicians assume the complexes of either the creator of the work of art which they are performing or of the character which they are to live. lab, on demand. "Tobacco smoke is the product of a dry distillation with steam distillation. B.) There is the possibility that such a compound exists, as shown by the work of Nickerson and Goodman (f) with Dibenamine (N,Ndibenzyl-heta chloroethylamine) and congeners. ...Since nicotine first stimulates and then depresses both the sympathetic and the parasympathetic ganglia, the petipheral response to nicotine is complex. He then sat down with the rest of the observers. Shirokogoroff states that several Shamans have told him that they cannot perform if there is no audience. There is a report of a closely related phenomenon in which hypotized, carefully blindfolded subjects were found to be able to see photographs, read newsprint. The feeling is almost equivalent to the void that the Yogin claims to have entered. A mild state of cholinergia is usually associated with a sense of relaxation, well-being, and even pleasure. The reason? The patient breathes this mixture under slight pressure. After awhile the uphill traveling became difficult, and I had the feeling that the energy was leaving, and I felt I wouldn't make it. of Vitamin C into one of his frequent fruit drinks. The fact that Whittaker went back into the city during the heavy traffic hour against his usual routine, is proof enough that he was guided by some telepathic urge, unformed though it was. in 1962. The instance in which Home was levitated and carried through a window at a point eighty feet above the street and then returned into the room. Miss Ward is asleep and upon awakening sees the image of her sister at the foot of her bed. This means that he is able to control the molecular and electrical activity of his brain to such an extent that external light energy was not able to cause the disappearance of the alpha frequency. It was John's mission to take a group of freshmen up into the High Sierras where spring snow conditions still prevailed. The following is quoted from Sbirokogoroff.10 PART ONE "When everything is ready and there is no longer light in the western sky where the sun sets the clansmen come to the wigwam.11 Outsiders are not allowed to be present. An increase in the basal metabolic rate (although the term calorigenic output usually refers to an increase in the basal metabolic rate) and increase in the basal metabolic rate (although the term calorigenic output usually refers to an increase in the basal metabolic rate). rate). A., Snowden, R. It is true that the classical response to adrenalin, amphetamine, and ephedrine exercise an inhibitory effect on ganglionic and synaptic transmission. We have presented highly selected evidence thus far to show that the human mind can collect intelligence by extraordinary and uncommon means. Evans-Wentz, Tibet's Great Yoga Milarepa; also Tibetan Yoga and Secret Doctrines, Oxford, 1935. The direction of course is that in which the coming of a spirit can be attained. The pituitary gland under the pressure of nonspecific agents such as cold, tension, etc., releases a hormone known as the adrenocorticotropic hormone, abbreviated AC1H. After a few minutes of feeling around in this place as his next move. Marrazzi, "Electrical studies on the pharmacology of autonomic synapses. "Ganglionic and central transmission," Pharm. All its muscarine-actions are as follows: A. The effect of the loss of both frontal lobes of the cerebrum is curiously like that of alcohol, though this latter effect is, of course, permanent "Human alcohol intoxication is commonly divided into four stages: 1 A large whisky (30 c.c. of alcohol) reduces the average person to the first stages of intoxication, which is the only stage in which he really feels pleased with himself. 2 Such widespread influence of a basic doctrine is naturally bound to give rise to many different schools of Yoga and if we were to arrange them in a scale, at the one end would be that Yoga which is solely concerned with physical well-being and physical health, running through intermediate stages concerned principally with emotional and mental health, and ascending to areas where the principal concern is spiritual perfection and individuals with persistent alpha rhythms which are hard to block with mental effort, tend to auditory, kinaesthetic or tactile perceptions rather than visual imagery. I see a picture in the house with children in it I see airplanes and bombs. Peter was taken aback by this vigorous denial of the accuracy of his reading. This type of control is developed to higher and higher degrees by the Yogin. 1 bis condition could be reversed if we had some control over the dynamics of the psi plasma. Peter got this intelligence about a boy he had never seen simply by handling a photograph (a positive print) sealed in a manila envelope. Johnson, The Imprisoned Splendour, Harper & Brothers, New York, 1953. 26. The existence of an atropine-like substance has been established as well as a camphor-like substance (volatile) called aminatol." Hess, op. This frequency distribution shows two main power peaks-the drum has a peak output of 40 decibels at approximately 3500 cycles per second. It is astonishing that several hundred people witnessed this demonstration and agreed in general on the details as described. I see a hand in front of my eyes. In the state of exhaustion the Shaman is probably under the dominance of cholinergia, and this is of such a nature that it leads to decreased frequency of neural electrical discharge. Some people can stand such an environment for only a short time, say an hour, and others of greater courage and control can stand it for as long as twenty-four hours. Wiener, Norbert, Cybernetics, Wiley, New York, 1948. It has been reported by Floyd8 that every inspiration of the breath in the human being is accompanied by a marked change in the electrical potential of the skin. Respiratory exercises are always carried out in one of the traditional Yogic postures. There was no effect on the voluntary muscular system in the way of imbalance, staggering, or other such dysfunction. The R.Q. of the brain was raised from .95 to 4.46. His legs were doubled up under him, his head was knocked against the pipe, his nose was smashed against the inside of the welding mask. Advanced embedding details, examples, and help! Thank you for interesting in our services. even though none of us could yet take seriously Peter's vision of a cut wrist and a suicide threat. Yaglou, C. If the number of correct calls exceeds 26 by a certain margin the results are considered significant for telepathic interaction. If he does not reply they sprinkle blood on him and direct sparks of fire (produced by flint and steel) at him. I see big trouble with the police. Kreuger and Richard A. In this light we can assume that the heat production generated (based on oxygen consumption) during the long-term and the short-term phases of the ritual of the irrational are vital elements in building up the fine structure of the plasma membrane, as well as maintaining consciousness at a very high level of awareness. It is also interesting to note that many individuals during febrile states, as in the Geddes case cited earlier, experienced either hallucinations or genuine telepathy, and in certain rare cases, the mobile center of consciousness. A. One of the marvelous things about this plant, which excites the most wonderment, is the manner in which the Indian priests use it When there is important business among the Indians and the caciques or chiefs of the village think it necessary to consult with the priests, they go to them and state the problem. The order of change is about 10 millivolts D.C. It is also known that such breathing increases the carbon-dioxide content of the alveolar tissue in the blood. It has been demonstrated that some of a drwn seems to be universal in Shamanism. The demonstration would be run with a dozen observers present in a room. Joseph Campbell, the eminent scholar, related to me that he exercises such memory concentration both in the wide-awake state and in the sleep state. Secondly, because of the routine and monotony of his work, he was able to drift into a daydreanting, relaxed state of mind. Divination of the four places the person had thought of as a possible hiding place, and Harry finally went to the fifth place and recovered the dime. The film showed an image all along the right-hand border that was made up of tubular lines resembling lattice work that was thought by some to look like a rib cage. He confirmed then and there that it was about 5:30 in the morning when his car had plunged down into the wasbut. The motor cortex participates, for the direct application of powdered camphor to this region results in Jacksonian and generalized epileptic spasms. %. It proved to me, at any rate, that there might well be more to it than the normal science of dreams and psychology allows-more than an aberration, trawna, hallucination, etc. Their endurance is ascribed to the power which they have acquired to generate tumo." David-Neel, op. The function of the increased heat production by the body cannot he too clearly rationalized in the picture that we have presented. For the drum and singing combined there is represented the complete range from 80 cycles per second. Abram Hoffer, Humphrey Osmond, and John Smythies, "Schizophrenia, a new approach: II. The control test (cage) was done inside an electrically floating cage without an ion generator. The use of tobacco smoke io the ritual of the irrational presents us with one of the knottiest of problems. Harper, "Effect of air ions on succinoxidase activity of the rat adrenal gland," Proc. Mr. Huxley affirmed that Hurkos' description of the photograph still in his wallet, sketchy though it was, was accurate. He furthermore has found ways of extracting energy from the kundalini center. de Kerlor, F. When this happens the Shaman falls down on a raft and remains without moving." Thus the (adrenergic) stimulating effect of the alcohol is quite apparent in the first phase of this type of ritual is that it aims to alter the normal state of consciousness by various forms of exercise or drugs so that consciousness enters a new state of awareness wherein it can carry on communication processes in the absence of the usual sensory or instrumental basis of communication. The can had a big warning notice on the top to use with adequate ventilation. by 16 mm. The normal human being can bum about 10 c.c. of alcohol per hour. R Buller, "The Fungus Lore of the Greeks and Romans," Brit Mycol. The date on which this suicide attempt occurred was December 23, 1957. I cannot use his real name because of his professional status, but shall call him Bob Rame. Thus the plasma membrane can be conceived of as a simple sandwich with two conductors separated by a nonconductor. When using the Ujjaye teclmique of breathing, his respiration rate was 76 cycles per hour. illtimately they were able to work out psychological, mental, and spiritual exercises which not only carried them into ecstasy but through it and beyond to realms of experience not known in Shamanism. This is an example of simple telepathy occurring within a short time interval. I invited him over for dinoer that eveoing and he promptly accepted. In general I was never able to create under laboratory conditions a consistent situation which would maintain sustained adrenergia in different senders during a telepathic test. concentration. If two drops of pure nicotine are placed on a dog's tongue he drops dead in a few seconds. All four subjects were then given two mushrooms of the species Amanita muscaria. The Chinese, East Indians, Greeks, and Romans all used various resinous plants and their gums were burned as incense to increase the power of prophecy of their oracles and soothsayers. Foreword Tiris work provides a journey that every man can follow. In the first place it shows that Hurkos' mind could see anatomical arrangements within an individual. The Yogin seeks to go past this state where there is no association with the world of physics, and this is called the state of samadhi "without support." In this state the Yogin enters into a state of being that has no foundations or coJUlections with any other form of human consciousness. This case is of interest for a number of reasons. Immediately upon dosing my eyes, I was in the main house, four hundred feet away, and I could hear my wife talking and the children running up the stairs. Then the Shaman begins to reply in a weak voice to questions asked (in singing) by two or three people at his side. By this is meant that he no longer deals with the primordial images and stuff which arise in hallucinations, but looks beyond and through these for their abstract meaning. for evidence of precognition, because of this complicating factor. This is the difference between the nitrogen gained from food and that excreted in the gastro-intestinal system. The experiment ran for thirty minutes, the usual time, and Mrs. Initial dehydration shows up first in the blood compartment since it tends to keep the second compartment, the intercellular space, well hydrated. written by Puharich, so aptly demonstrates: 1'hat goal toward which I have always moved all of my !if., the understaoding of some aspect of ultimate reality in humanistic terniSappears to he realizable here." (4/13172-Tel Aviv, Israel) IRA EINHORN Philadelphia April1972 Paris-Senlis June 1972 Ted Bastion provided me with information that was germane to this introduction. It was concluded that the subjects in the normal state could not out-guess chance expectation and showed no evidence for telepathy. Lancelot Whyte has presented us with a most lucid statement of the problem involved. In this way I took new elements into my

consciousness, one at a time, and was able to relate them with a clarity which I have not known before. In addition to the dependence of consciousness on the presence of consciousness on the presence of crude experimentation whose purpose was to achieve these objectives. A physiologist, the late Walter B. For example, I wanted to have the inner feeling of what goes on during the act of telepathy, and found that by drinking the proper amount of the juice of a certain mushroom (Amanita muscaria) I could get the true feeling of telepathy, and prove it to others by objective laboratory tests. Jim then asked me to repeat the entire story as it had happened on the evening of December 1, when Peter had called Jim. For further information see: Wallis Budge, The Mummy, A Handbook of Egyptian Funerary Archeology, Cambtidge University Press, London, 1925. Beckett, "Air Ionization as an Environment Factor," Applications and Industry, September 1954. The important point was that she had had a massive activation of her parasympathetic nervous system. It is the belief of the Yoga doctrine that thythmic respiration selves to unify consciousness itself with breathing. oval light in the solidified form. It is in this state that he merges with the Absolute. He canied out this act as soon as he could get near a telephone. After the seizures the patient at once regains consciou s- ness. Eileen Garrett as the receiver. The first is a gasping feeling as though one cannot catch one's breath, followed immediately by rapid and deep respiration. Let us imagine that a thin layer of a nonconductor is coated around the entire theim.ometer-bulb-shaped structure. P., Benjamin, L. We have further presented selected examples of the ability of the hnman mind to serve as an action conter, in the absence of any of the other lmown energies, and create mechanical or other physical action on objects. De Nebesky-Wojkowitz, Rene, Oracles and Demons of Tibet, Mouton & Co., The Hague, 1956, Chap. They nervously assured me that they would. The drum. Meuli, Griechschen Opferbrauche, Phyllobodia fur Peter von der Mtibl, 1946. 1 "Two years ago, on awakening one morning at 8 o'clock, I saw a distinct appearance of my sister Emily, seated at the foot of my bed in her nightgown. * Presque vu-The phenomena and events in the visual field point in a certain direction, and suggest an end which is not quite reached, or they lack the proper completion or resolution. Since there are 52 cards in a deck one would expect 26 correct calls by chance expectation alone. If there is no effect the Shaman is recalled hy singing. It is not straight, not regular. He thought it best to take things easily and not use up the air around the mask too quickly. Ross. In this spirituelle I felt the Greater Spirit even smiling indulgently upon me in my vain little efforts to carry on by myself and I pressed close the warmth and tender strength and felt assurance of enough power to overcome whatever lay ahead of me as a human being." (End of case report.) .. In this beautiful experience we can discern almost all the constants of the carbon dioxide experience: 1) Color; 2) Geometric pattern; 3) Movement; 4) Doubleness of Personality; and 5) Divination, or feeling of esoteric importance." (Statement of Meduna.) It should be pointed out that carbon-dioxide inhalation can also produce feelings of nameless and shapeless horror and terror in some individuals. A., Extrasensory Perception After Sixty Years, Henry Holt, New York, 1940. See Parts 1 and 2, pp. "Considering now these hallucinations in their simplest manifestation, how does it happen that the precise repetition of a flash, making a field of light on the retina without pattern? For reasons I cannot explain I took a thousand milligrams of Vitamin C hoping this would relieve the cramping. She seems to be in good health at the moment, but she will have trouble with her female organs." Hurkos then drew a diagram of the uterus and the Fallopian tubes of this woman, showing the left later, I had some diarrhea and abdominal cramps. E = MC2, the great poem of the twentieth century, is a small adumbration of what awaits us as we plunge beyond the visible into realms that makes up the unique form of Western scientific progress C, and Brandt, A. Geldner, ibid., p. I looked unintentionally directly at the sun. Physiol., 126: 579, 1939. M., "Simultaneous High and Low Aim in PK," pp. The people sitting at the table were measured for muscle movements by means of an electromyograph and these were ruled out as the sound source. 184. Sheldon, The Varieties of Temperament, Harper & Brothers, New York, 1944, p. It had a raised platform at one end, similar to a small bandstand. 11 and 30. Having achieved this power, the Yogin now prepares to enter the state called samadhi. Trials 3/10 Average Hits for 10 Trials 3/10 Average Hits for 10 Trials 3/10 Average Hits for 50 Trials 15/50 Mean 20 Standard Deviation 4.24 Critical Ratio 9.43 Probability "" -log Q (X) 18.94 When Stone was the receiver and four other persons, who were electrically charged, acted as senders, the following results appeared. The earliest reference to this practice is to be found in the Sumero-Akkadian culture (3rd millennium B.C.), where of the thirty or so known classes of the priesthood, one class specialized in foretelling the future. The other ratios then have a corresponding value. A person of either sex in his development first shows signs of being nervous or hysterical, often with trembling. Garrett made six calls within fifteen seconds after the charge had appeared on the wall. Over the looped portion is stretched tightly a skin membrane. We are a non profit group that run this website to share documents. However, there are some points that are taken up in the notes to Chapter 6 which the reader should review of this book, consult West, D. XXI. Rev., 6: 105, 1954. Ross could leave the table and the phenomenon would continue. In either case the electrical cycles will be associated with structural cycles, the molecular structure of the protein or the arrangement of the fibrils nudergoing cyclic changes. "There is much to be said for the hypothesis. He himself described a feeling akin to Mrs. Peter on the one hand was very anxious to sell the film, and on the other hand he kept worrying that it would get lost. When this happens, the Shaman falls down on a raft and remains without moving. The action of ephedtine analysed by a study of its sympathetic central and ganglionic effects," J. These components became more individual as the B consciousness. began to disintegrate, while the A consciousness, which was now me, seemed to be altogether outside of my body, which it could see. "The phenomena I am prepared to attest are so extraordinary and so directly opposed to the most firmly-rooted articles of scientific beliefamongst others, the ubiquity and invariable action of the force of gravitation that even now, on recalling the details of what I witnessed there is an antagonism in my mind between reason, which pronowtces it to be scientifically impossible, and the consciousness that my senses, both of touch and sight-and these corroborated by the senses of all who were present-are not lying witnesses when they testify against my preconception." 11 Another example of such control, even though it is on a smaller scale, has been furnished by WienerP He cites the case of a Yogin in the state of meditation whose electrical brain waves were being recorded. Psych. Garrett, in a way unknown to herself, nse Puharich as a tuning device which allowed her to get the message directly from Dr. Wilson? 60-90 Pupils fixed. This is where water accumulates after oral ingestion. "Adrenergic inhibition at sympathetic synapses," ibid., 127: 738, 1939. Peter thought that the next four weeks would be sufficient. "Adrenergic inhibition at sympathetic synapses," ibid., 127: 738, 1939. Peter thought that the next four weeks would be sufficient. I used the developer and fixer recommended by Ansco, and followed their directions for processing implicitly. I think that this is not an arthritis but is due to neuritis. At no time in the course of the demonstration did the Fakir tell the audience what they were going to see. The condition of abnormality consists in the fact that these people do not assume such complexes at their own will nor do they change them at their will, but the complexes come by themselves. Jim had obliged by taking the film and began to worry over the fact that the film was not in his own hands. About 20 Colored figures, patterns, lights Presque vu.• 10--30 Psychomotor excitement takes many fonns. The idea seems unavoidable therefore, that one of the apha rhythms. There were 1140 trials of matching skill in the test series, resulting in 141 correct matches. The tempo and rhythms vary greatly. We see that this is followed by a phase which leads to an excitatory state which we have categorized under the term adrenergia. Mrs. "I realized I was very ill and very quickly reviewed my whole financial position. MOTOR RESPONSES Number of C02 Inhalations Effect SENSORY RESPONSES Number of C02 Inhalat ions Effect 2-3 Fluttering of eyelids st arts. The Yogins have a term for the random noise of the subconscious mind, it is called Cittavrti. The single electrical impulse starts from a resting value of negative sixty millivolts, goes to zero volts, reverses in sign to reach a value of sixty millivolts positive, and this potential then falls to zero again, and the potential becomes negative sixty millivolts when the nerve comes to rest again. However, there are a number of cases of apparitions in the literature which deny this premise, and we must examine them closely before making a judgment. and I needed some form of proof more than anyone else, I'm sure. In view of this fact we must assume that the hallucination was telepathically inspired and therefore extended to the several hundred people present as receivers of this delusion.3 In this instance we have one powerful agent who acts as the sender of a telepathic drama, and we have several hundred people who expect a wonder and simultaneously act as receivers for a very complex and orderly drama. i =...;=I:" extreme cholinergia. Puharich shows a sure sense of the ground upon which he walks, as well as an ability to theorize about the data he has collected. In addition to controlling the external and internal noise of the body and the mere cataloguing of these manifestations, in order to produce a theory that attempts to uuderstand both the source aud the generation of these energies. a Amadeo S. All these high values are lumped in the thin membrane of the surface of the nerve. By this she meant that she had the distinct impression of literally looking in upon friends in New York City, Washington, D.C., London, and Southern France. The sympathetic nervous system is activated by adrenalin-like compounds. We have seen how mind can be relayed, stored, and even projected into the future, through the mediation of inanimate objects such as pieces of paper, pottery, and photographs. but my ann and face were covered with it where I bad evidently simply laid down on the newly spread surface. "The Voidness-in all Tibetan systems of yoga realization of the voidness (I'ib. 329. I must admit that although the head did appear to be there, it was quite fuzzy in outline, and one had to really imagine to see it as a head. It may well be that the idea forms it encounters as a mobile center of consciousness can be manipulated as the mind wishes. My opinion in this case would be that there was a momentary marked degree of activation of Miss Ward's clairvoyant faculties which led her to briefly perceive the apparition of her sister in her presence. A striking case of telepathic sending has been reported by the highly competent investigator team of Betty and Fraser Nicol in Tomorrow, Vol. However, the Yogin's long exercises to gain complete mastery of the voluntary muscular system and the involuntary muscular system are all aimed at gaining perfect rhythmic control over his respiration. Whyte, "A Hypothesis Regarding the Brain Modification Underlying Memory," Brain, 77: 158--65, 1954. Socrates goes on to distinguish four types of "madness": 1) Prophetic madness, whose patron god is Apollo. This leads to the stage called abstraction, and is properly speaking the fifth stage of the Yoga technique. A person in the proper state of cholinergia would therefore secrete adequate moisture on these surfaces to form globules of liquid which either by reflection or by creating an insulating vapor barrier protect the skin from heat Conversely, as in the fire ordeals, a person who is guilty would presumably have the usual symptoms of a dry mouth, decreased mucous-membrane secretion, and dry skin. Garrett went into a self-induced trance, and thereafter the conversation was carried on between her alleged control personality, Abdul Latif, and Mr. Wedlock. Tiris is what is lmown as a capacitor in electrical terminology. The sender by his need and desire prepares a mental stage; the receiver in turn populates the stage with his own symbols and images. 9. The principal factor in increasing the heat production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function which accompanies the stress production of the body is the elevated thyroid function. tables were tried and found to work with equal success. Here he was under the mass influence of a dozen telepathic senders. Ibid., pp. B., and Richards, A., "Comparison of Two Distances in PK Tests," pp. We see that Bob eventually attained a certain mental control over the process of leaving the body and therefore gave up the use of ethyl-ether inhalation. 3. In the fourth stage he is in danger of death from paralysis of the respiratory and vasomotor centers in the medulla. I put down the paper and pencil (the paper was covered with symbols which were my mind's representation of these forces and their inter-locking generation), turned over and closed my eyes. 35, Cambridge, Mass., 1951 p. The Aquari.an Age is upon us, in ways that the cliches of Hair and the popular press can't even begin to convey. The computer was programmed by A. They asked him after the meeting what they could do about this. In the second stage of intoxication the novice loses all self-control, and the experienced drunkard consciously pulls himself together and speaks and moves with exaggerated care. "Other times after inhaling from the can it was as if I tuned into various radio stations and people were talking, mostly along the line of jazz, foreign languages, odd music, and fast chatter. v 1 2rrJfC 1 27T"/1H X 4 X 10- 4 F 8 cycles per second. I believe the psi plasma could be identified with the kundalin energy. Chance expectation in this series is 114 correct matches. John Hayes was a second-year student at San Jose State College in California. In extreme dehydration the third comparanent, that is, the intracellular fluid itself, becomes depleted. Once I gave a dime to a visitor to hide in the room. The speech of the people and the sounds of the table were also tape-recorded on a separate system. In the Lawrence-Harmon story we had a simple two-tenned situation where there was a sender and a receiver for a telepathic message, and an immediate confirmation of the interaction because of the use of a telephone. Wasson, Mushrooms, Russia, and History, Pantheon Books, New York, 1957. On pages 185-89 Johnson presents a sketch of a telepathic theory of psychometry in which an "aetheric structure" couples brain to mind, as well as permeating objects. The statement, "A ray or some kind of energy had come down from a low angle and bathed the upper half of my body," catches our attention. Res., Vol.47, 1945, p. He got out and walked over to the trench. We here note that Whittaker is in an ideal condition for what we have earlier described for the receiver in telepathy. Let's see what happened to hlm. Garrett through the transparent mesh. Secondly, he seemed to be able to make a guess as to the course of the pathology connected with this particular anatomy, and this was subsequently confirmed following surgery.4 It was found over a two-year period of study of Peter Hurkos' psychometry that he was not interested in proving to them or anyone else the validity of what had happened. Barvey, Shamanism in China, Studies in the Science of Society: Presented to Albert Galloway Keller, New Haven, 1937, pp. I was fully aware that the book was simply a convenient image for my mind which was digesting my own understanding of my experiences . We have become so divided in our ways that we have forgotten the underlying tutity of the quest that unites science and religion. Ross or Mr. Jochems were able to release enough energy to activate the table, it should be easy enough for them to produce the small amount of energy necessary to cause an image to appear on a film. Sanbourne Bockoven and Milton Greenblatt, The Beacon Press, Boston, 1954. 49, 1949, pp. Ruben Walter, Schamanismus im A/ten Indien, Acta Orientale, Lugduni Bata vorum, Vol. Visual stimulation is received on the occipital cortex, while auditory stimulation is received on the first temporal convolution in a narrow zone that borders the posterior third of the fissure of Sylvius. When an object is placed in the hands, or in the vicinity, of a sensitive person6 like Peter Hurkos, he is able to use that something to sharply focus upon the problem and glean verifiable intelligence. On the contrary, the Agent could remain outside the room, and still Harry would follow his thought process either by repeating the sequence of possible hiding places, or being diverted to a spot chosen by the Agent where the object was not bidden, and going on to find the place where the object actually was bidden. The best guess that one can make is that Amanita muscaria must have preceded the use of tobacco. At other times none of these ideational experiences were present He merely felt sluggish and sleepy. Indeed, the Shaman was first understood as a kind of pagan sorcerer, which meaning has persisted up to our day among laymen and was partly responsible for the delay in the understanding of the phenomenon itseH.2 In all Tungus languages Shamanism refers to persons of both sexes who have mastered spirits and who at their will can introduce these spirits into their power in their own interests, particularly for helping other people who suffer from the spirits; in such a capacity they may possess a complex of special methods for dealing with the spirtts. The alkalosis in the body is caused by blowing off excess carnon dioxide, which is the source of carbonic acid in the blood. We can imagine a neiVe cell as being constituted of a long tube with a bulb on the end. First carbon dioxide has at least two points of attack in its action on the brain; it diminishes (in concentrations of 10-15%) cortical excitability, as indicated by the reduced responsiveness of sensory projection areas to specific afferent impulses and of the motor cortex to electrical system. In the beginning of pranayamic exercises the holding phase is usually set at the lowest limit for about 12 seconds, and the practitioner works up to an upper limit of 108 seconds. Inductance can best be thought of as a coil of wire helically wound around some magnetic material such as iron. When Sullivan was buried under the earth, he obviously suffered all the sense of great danger, at the same time suffered great pain because of the severe burn to his right shoulder. W., Zeit. John Wiley & Sons. I think, but am not positive, that Dr. Smith said he had bought the jar on a trip he made to Pompeii excavations. At the moment that Harry entered the room the Agent was to concentrate not on the right location, but on a completely different one. Mental Science, 100: 29, 1954. Garrett in Chapter 1. 3) (stage eight) Samadhi. Bailey, Alice, The Yoga Sutras of Patanjali, Lucis Publishing House, New York, 1949. Exp. When the pC02 is increased, the hydra changes from asexual reproduction to sexual reproduction. The priests, in their presence, take some leaves of the tobacco, throw them on the fire, and receive the smoke of it ioto their mouths or nostrils, by means of a cane. We know that in the Yogin the electrical waves decrease in frequency and become sinusoidal. There could be no question up to this point of any stray light emanating from outside the room or from Hurkos and somehow reaching the camera. It was so vague that he can hardly explain it. In checking out the time factor afterward it was established that Peter had probably had his vision sometime during or shortly after Jim had received a telephone call from Art's psychiatrist. Then Crookes attested to the most striking phenomenon of all. The extremes to which cold adaptation is carried can be seen in the following quotation: "To spend the winter in a cave amidst the snows at an altitude that varies between 11,000 and 18,000 feet, clad in a thin garment or even naked, and escape freezing, is a somewhat difficult achievement. This is particularly true in Tibet, where the utterances of the state oracle often are incoherent and a special secretary is used to interpret his statements to the audience. The plasma membrane regulates fluid transport in both directions across its surface. Now the frequency characteristic of a single nerve cell is principally a function of two of the electrical constants of the plasma membrane, the inductance and the capacitance Furthermore, the Jacksonian convulsant effect of camphor is blocked by carbon dioxide. 13. Gordon, "Hallucinogenic Mushrooms of Mexico," Trans. I then opened my eyes, and my view was from the floor at an angle looking up at the ceiling, and definitely not from the couch. We may therefore expect to find that the structural basis of memory lies in pulsating modifications of cortical material. It is as though some mental plasma bridges toward the object of its attention. However, the Shaman must remain on the dividing line between the state of "nervous fit" and perfect consciousness. Dutton, New York, 1952. However its action can be compared in many ways to that of alcohol. The drops of water will not vaporize immediately, but instead will form globules which spin around and dance over the surface of the heated pan. Then I related to the walls, then to the other people in the room. I, myself, didn't believe that Mrs. John Keel, Jadoo, Gilbert Press, New York, 1957. Corriol, and Y. f. Let us look at this phenomenon a little more closely The sweat glands are regulated by a cholinergic chemical. "The question then arises: On this assumption What Jd.nd of pulsating structural modification facilitates their repetition? There are cyclic, dicyclic and open-chain terpenes, all having the empirical formula C10H16 and then there are the sesquiterpenes, C 15H24... 31. We have reason to believe that the intelligence that he gained from this object was outside of that of the human beings concerned in the case, therefore pure clairvoyance. It was observed that it usually took ten to thirty minutes for the rapping to begin. N. This can take the form either of an increase in potential or a decrease. Cannon, W. When a nerve is stimulated an electrical impulse travels from one end to the other. If the phenomenon exists, it must be a form of telepathy and not eyeless sight as reported. Nobody had worked on the Washington Street job for several weeks. 4 The feeling that accompanied it was that these were unimportant, personal messages, and that it was too bad that the 'line' was tied up with these. Now there are many points of interest to our inquiry in this description of the Shaman ritual. Or would he go to the place where the person was telepathically trying to divert him? There are many points of interest to our inquiry in this description of the Shaman ritual. instances of Hurkos' ability to gain intelligence through the mediation of an inanimate object. By ten o'clock I had developed all the symptoms of acute poisoning; intense gastro-intestinal pain, diarrhea; pulse and respiration became quite impossible to count, I wanted to ring for assistance, but found I could not, and so quite placidly gave up the attempt." The symptoms here portrayed are those of massive parasympathetic activation where the individual is going into shock. ""The aftennath came when I called Boris and Lomar that evening. He stated rather uncomfortably, staring more at my body than my face (clothes or no clothes?) that I was at-Baths, and gave the address. I refer specifically to that type of ritual as exemplified by the Tungus. In addition to nicotine, the smoke also contains other toxic matters, created through the decomposition of the vegetable substance However, I saw that Peter was so worked up that there was nothing to do but place the call to New York City, so I went ahead and did this. They produce only an unpleasant effect. 71, and this is a chance-expected score. "It would seem that an epileptic discharge may cause true inhibition and suppression of the electrical activity of the cortex, though further studies are necessary to clarify the neurophysiological mechanisms involved." In view of the fact that alcohol is known to increase the permeability of blood vessels and of the simple controls is the ability to be able to tense the right rectus abdominal muscle, while the left one is relaxed. When the mind becomes uncertain of what it finds, or thinks it knows, then it turns to the outer world and utilizes observation and experiment as a check upon itself. His book is a welcome tonic to both the wild claims of many, overwhehned by the wonders of these new realms, on the one hand; and the endless repetition of experimental data, that is the meat of 99 per cent of the books dealing with the psychic, on the other. I sat up in the dark, smoked a cigarette, and thought about it. The consciousness is scarcely altered with such small doses. I then took a picture of Hurkos holding his baby daughter. A rectifier is an electrical element which allows charges of a certain sign to pass through in one direction but not in the other. It is nevertheless is in good health. Among other drugs that may be mentioned are coniine, ololiuqui, peyotl (mescaline), Peganum harmala, Yage, Deadly Nightshade, strychnine, and various mushrooms such as Paneolus, Psilocybe, Amanita, Stropharia, etc. Everything was just as I left it. For example, one of the simpler feats of the Hatha Yogin is the ability to draw fluid up into the bladder to the extent of a liter, and to use this fluid to flush the bladder. There is a phase of the Shamanistic performance where dancing, leaping, and the burden of the heavy costwne leads to maximwn muscular exertion. But no one at the time of the reading bad any knowledge of how the dog would be cured. Often in exaggerated cases this has been called "possession." Primitive societies believe that possession occurs by the action of spirits. But it was only in the course of war services at the Burden Neurological Institute that we were able to designate some of these exceptions as a stable group with definite characteristics. In this sense the increased capacitance is very much like increasing the height of a water reservoir, thereby gaining more voltage pressure. Experiments have been done in psychology laboratories to show that when an individual is placed in an isolated environment he may very often have the illusion of being levitated. Gradually the Shaman brings himself into ecstasy. This state of deep relaxation leads the mind to an inward turning, or toward the center of the mental field, and results in increased concentration of the irrational the use of tobacco is a relatively new ionovation (not introduced ioto Eurasia until the sixteenth century) and therefore we can receive little or no illumination from analogical practices in the older traditions. Therefore, I devised two experiments to check this hypothesis. . 17. 269. In general the Yogin tries to achieve both maximum tenseness and maximum relaxation of the diaphragmatic muscles in preparation for his future exercises on the control of respiration. It is necessary to assume some mechanical principle of this character is known. For descriptions of the content of ecstasy see: Aldous Huxley, Perennial Philosophy, Harper & Brothers, New York, 1945. After merging. The subjects were unknown to the investigating team before the day of the experiment, December 2, 1960. Stokes Co., 1917. After several minutes, the ray seemed to fade away, and did not return. There was no comparable image present on the positive film for this latter spot After I had looked at this spot on the negative film I passed it to each of the six observers present and asked them to independently form a judgment as to what they thought this oval light spot looked like. realized that there was no causal relation between Vitamin C and his experiences. where the purpose is to get one person to pick up the telephone at the instant when the other party finishes his dialing. G., Rhine, J. No particular person came to mind, only the persistent idea that he should go and check. I had come back from my trip from them at approximately four twenty-seven P.M. "I asked what they were wearing? If this theory is valid it would be of great interest to our present discussion. I was satisfied upon examination that nobody had any object on his person that could account for an artificial table tap. Norton & Co., New York, 1953, p. but are capable of reaching short-term periods of exhaustion from which they recover rather readily. as was demonstrated in many different experiments with him. When I pressed Peter further, he told me that this really had a symbolic meaning to him, and that it had to do with suicide. Several weeks passed before I got another phone call from Jim Middleton. In general we can say that if the correct amounts of potassium, carbon dioxide, and acetylcholine are added to the nervous system, these definitely produce an increase in the amplitude of the wave forms, or voltage increase. Miraculously the car landed right side up and after plnnging ahead about two hundred yards through the brosh and undergrowth carne to a safe stop. Upon awakening I seemed to suffer no more than a consuming thirst, and the entire sensation was gone, as a matter of fact, at no time have I ever felt serious after effects. Retractor Penis-Inhibition. It was no particular head, just a human head. Cholinergia, as we have said many times, now finds some rationale as being a vital factor in the regulation and control of the biological state leading to a mobile center of consciousness. I made no attempt to do other than to listen, and no awareness of me was present, nor was any attempt to communicate with singing continues, then the people begin to call back the Shaman. Paul Christian, The History and Practice of Magic, 2 Vols., Forge Press, London, 1952. One of the objects that Peter picked up was a photograph of a family group. Then, I opened my eyes and I was lying in my own bed. The physiological changes induced by the administration of carbon dioxide have been ably analyzed by Gellhom, and the following sections are quoted from his book, Physiological Foundations of Neurology and Psychiatry, University of Minnesota Press, Minneapolis, 1953, Chap. "Around three in the afternoon I lay down to think, as is my habit. This is the traditional ratio although many other variations have been worked out. The purpose actually is not to demonstrate control over physical nature, but rather to give the developing mind something greater to pit its energies against. was wondering if the apparition could indicate that her brother, who was in the Navy, was in some trouble, when her husband came back and exclaimed, 'Oh no, it was my father!' She continues, 'My husband's father had been a naval officer in his young life The author became interested in this problem while studying the Chatino Indians in the summer of 1960. 4 General Extrasensory perception called psychometry in which the sensitive person uses an object as the primary inductor of intelligence. 57. The physiology of cholinergia is described in Physiological Basis of Medical Practice, Best and Taylor, 5th Ed., Williams & Wilkins Co., Baltimore, 1950, pp. "It is well known that carbon dioxide increases the frequency and decreases the frequency and decreases the frequency and decreases the amplitude of cortical potentials as noted in the human EEG and direct recordings from the cortex of animals. Of the many substances in the terpene group it is the impression of the author that camphor is the most efficacious in the ritual of the existing norm for behavior, are variable. The Yogin looks upon this as the ultimate energy, therefore extremely powerful, and its release can be accompanied by serious danger to the individual; therefore this must be done with absolute control and caution. That Hurkos can get intelligence from an object when this intelligence is not present consciously in the mind of the person connected with the object can be illustrated from another case. Hurkos picked out of this collection of personal objects a wallet which was devoid of contents. One of the many respiratory thythms used by Yogins is called Ujjaye, and Behanan7 has done some oxygen-consumption measurements on this fonn of breathing at Yale University. However, a friend, Si Slavin in Los Angeles, persuaded me to investigate some alleged table tapping that occurred in the presence of a housewife, Mrs. Crookes makes this affirmation. He relates that one of the monks took him by the hand and requested him to walk over the glowing coals. This is a ripe area for research. Other instances reported from earlier times 4 by many travelers show that the Indian Rope Trick hallucination can extend to thousands of observers at one time. At this time, May 1959, Hurkos was staying in Miami and the two gentlemen visited him there. Both the Yogin and the Shaman then go into a phase of relaxation coupled with an unusually alert state of mind which we have described under the term cholinergia. This process can be illustrated from laboratory experiments which I carried out,. Upon developing these films I found them to be uniformation. Art was left with his hospital gown and a pair of paper slippers. The BMR is usually expressed as the amount of energy produced per unit of surface area of the body per hour wheo the subject is in the basal state (twelve hours after the last meal and after a night's sleep). This phenomenon is similar to the changes in the EEG seen during mental activity or sensory stimulation and appears to be primarily due to an excitation which results in a decreased synchrony of cortical potentials. On every strophe the assistant and the other people reply by repeating either the last words, or special wordHhe refrain. I asked him to use whatever means, conscious or unconscious, he was in command of, and concentrate upon a film with the idea of getting an image or density upon it. Even Homo neanderthalensis presumably had this idea, since he buried his dead. They seek an emergence from time in the form of a nuclear mental entity. The gap between the two nerve elements, that is, where the tubular end of one nears the bulb end of the other, is called the synapse. I snapped the shutter as before, aiming the camera in the general direction of the wall. And from his perception. Blair Headley, Acoustical Laboratory, Army Chemical Center, Md. Bascom, William, Drums of The Yoruba of Nigeria Ethnic Folkways Library, Album No. P444, 1953, N.Y.C. Analysis of dundun drum recording made with Sonograph Frequency Analyzer with the co-operation of Capt. cit., p. I observed this phenomenon several hundred times. Mircea Eliade, Yoga, Immortality and Freedom, "Bollingen Series LVI," Pantheon Books, New York, 1958. Such movements are entirely against the tradition of Yoga. "Then I was back on my couch in my office, feeling very smooth vibrations in my body. The photonic energy activates discrete specks of activated to to activate a specks of activated silver form what is called the latent image. Going into my sister's room half an hour later, I related to her my experience, and she (being still in much pain) informed me that at 8 o'clock she had actually been in the position above described, on her awn bed, and had meditated coming into my room, but had not liked to distuble me. these conversations occurred were recorded too. One part thereof, the main current, gets into the mouth, the rest escapes into the air. Hearing is overstimulated. I had recently been checked by two insurance doctors who both stated that my heart was in good condition. Rhine, J. The AN oxygen difference decreased from 5.90 Vol.% to 2.86 Vol. It began to look as though the human mind can consciously activate a photo emulsion even though no light is stiking the film. However, if these agents have a prolonged action on the nervous system or are given in high doses, there is a decrease in the electrical activity of the brain, principally a decrease in frequency. Ibid. I then carefully withdrew my hand, looked at it, but it was dry, then my sense of power faded after which I felt my hand with the other to be sure it wasn't wet. The rope did not stay in the air, the boy did not ascend the rope. Of particular importance to this analysis is the fact that though the subject may pass into unconsciousness or sleep, a vivid memory of the experience remains. The experiment was extraordinarily successful. She had discontinued these experiments for many years and had come back to them eleven years and had come back to them eleven years and had come back to them eleven years and had come back to the so-called Vardlilgr phenomenon, a form of nuclear psi entity observed only in Norway and Scotland. The observation that the "mesh of wires and tree branches" was a construction of his own thought again impresses us with the accuracy of observation of our subject. " 'Well, I think I'd better go now. This "A consciousness," it appears, is the true self that is involved in telepathy and other forms of ESP. In this group of persons the alpha rhythms continue even when the eyes are open and the mind is active or alert. Finally the Shaman throws himself on the reindeer skin and for a long time remains motionless and silent. 3) Poetic madness, inspired by the Muses. produced by intraventricular injection of nicotine or caffeine, or by damping both carotid arteries." Sollman, T., Pharmacology, Saunders, 1948, p. This again is a good condition for telepathic reception. I'm referring of course to the actual diagnosis of the dog's malady and the suggestion of a cure by shock. This presents us with one of the greatest mysteries about the mind. While Shamanistic practices illuminate the basic physiological changes induced in the body, we must tum to Yoga to understand the mental dynamics of autonomy. Boris was dressed in hat and light overcoat, Lomar in dark clothes and coat. in size, and this section of the film looked overexposed even though we knew that no light had reached it. One might assume that the slowed respiratory rhythm in the case of the Shaman would result in a decrease in the oxygen supplied to the brain. Bouquet, Comparative Religion, Penguin Books, 1942. Sylvan Muldoon and Hereward Carrington, The Projection of the Astral Boczy, 1929; The Phenomenon of Astral Projection, 1951, Rider & Co., London. However, they do not object to persons who do not belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not object to persons who do not belong to the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the Shaman's clan, even to such as belong to other ethnical groups, provided they do not destroy the hannony of the shaman's clan, even to such as belong to the shaw to such as belong to the shaw to such as belong to such as belong to the shaw to such as belong to such as usually measured under two basic concepts, the first being the basal metabolic rate, or BMR, and the calorigenic output of the body. 14, describes the effect of C02 on a single nerve: 1 2 3 4 Raises threshold of stimulation (5% C02) and increases membrane potential (inc. When I reached the point where Mrs. Skilling and John C. M., Apparitions, Pantheon, New York, 1953, p. She says, 'I was just pulling myself into a half sitting posture against the pillows, thinking of nothing but the arrangements for the following day, when to my great astonishment I saw a gentleman standing at the foot of the bed, dressed as a naval officer, and with a cap on his head, having a projecting peak. Today was December 1, 1957, and several weeks earlier he had been in New York visiting Jim Middleton. Smith of the University of California. 1bis is best illustrated from common experience where one sees oneself acting out a part in a dream, but one views oneself acting out a part in a dream. degrees of cholinergia. This in itself is a most interesting phenomenon in that we would have to ascribe some sort of relay function to the object, as we did earlier to the unconscious participants in a telepathic triad. The effects of these two groups of compounds are many and complex on the body. During the following centuries several travelers, for instance, Gmelin, Georgi, and Pallas, and the historian Miller gave descriptions of the practices performed by the tribal specialists known among some Tungus groups under the names Saman, Saman, and Haman. He stated that the image in his mind contained ...Chinese lines with figures, none of which makes any sense to me." The film was developed in sixty seconds. Therefore, one would be inclined to look upon the nuclear mental entity as a product of the physical, and energy as the constitution of a living organism. One of the problems of proving that the state of a mobile center of consciousness exists concerns its confusion with clairvoyance. After completing his studies at the medical school of Northwestern University, he set up his own laboratory in Maine for the study of extrasensory perception. Never caught in a lie. This is the true meaning of the independence and autonomy that is the goal of all Yogins. In four non-epileptics no EEG changes appeared. I carried out the processing of the study of extrasensory perception. Never caught in the dark room. Experiments with the photographic process were repeated at a later date with Hurkos. Therefore control of memory is an absolute necessity before any higher development can occur. The Chemical Senses. The dog in question was a brownish poodle called Cocoa. "At other times no matter how much inhalation, nothing seemed to happen. This result was due to an increase in venous oxygen content from 13.43 Vol.% to 17.0 Vol.%, indicating that the utilization of oxygen by the brain was inhibited. It was reported by Dr. Fantl at the annual meeting of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of this representative of this correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of this correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is representative of the Pan American Medical Association held in Mexico City on May 2, 1960. If our surmise is correct that camphor is co step in the technique of the ritual of the irrational, we must assume that, like some of the other techniques already mentioned, its purpose must be to activate epileptiform electrical discharge without the clinical manifestations. "My vantage point was to the left as you face the stand, at the edge of the floor, as seen from a standing position. Crookes measured the levitation powers of D. Having mastered the voluntary muscular system of the body, the Smooth muscle system. It was found that all individuals present could raise their hands about four inches above the level of the table and the table still continued to tap. Dr. Alexander Pilcz, and some colleagues made a study of the Indian Rope Trick.2 They were interested in the problem of mass hallucination and it was their idea that the Indian Rope Trick would serve as a good experiment for their purposes. For a definitive work on Telepathy researches see: Soal, S. K., and Scott, T. The other form is that called "disciplines" and these are more in the direction of achieving moral purity. Using my sense of 'power' I pushed on the floor, and suddenly my hand slipped right through it to the sub-floor. Trans., 5: 21-26, 1914. In fact, the word sender in telepathy is a misnomer in that the sender does not send anything out, but rather serves as a center of attraction drawing to him the attention of the receiver. In the first trial I went into a dark room and held a Polaroid camera in my hands. Wasson, Mushrooms, Russia, and History, Pantheon, New York, 1957. I have abstracted from these many accounts those elements which I believe are important in the understanding of the physiological and psychological methods which can be developed and exploited to expand or isolate the nuclear psi plasma from the body. The man was not responsible when he was driving. Now in the case of some of the chemical compounds which we have noted that the Shaman uses, we have to dearly distinguish between those which have an excitatory effect and those which have an inhibitory effect. The greatest obstruction he encountered in his travels was that created by what he describes as "lines of force." And in many instances he seems to feel these are creations of his own mind. In trial number three Hurkos again held the camera in a dark room and was again asked to open the shutter at that moment when he thought he had an image clearly fixed in his mind. London. The tests which were made ruled out the possibility of fraud. The assistant can now be precise chemical formula has not yet been made to do so. The function of the assistant can now be better understood. There is a large, poorly explored area of relationship between Shamanism and Yoga. Doubling of the personality is best expressed formally in the German language by the term Doppelganger, which means the wraith of one alive. Although the single nerve cell is a very complex chemical, physical, and elec:trical system, we can make some generalizations which will give us a simplified model for the purpose of our understanding. These effects have been described above. It was soon found that as a rule he did retrace the steps of the person who had hidden the object The next question was to find out if Harry was really influenced by the thinking of that person who may be shall call the Agent. Did Mrs. I noticed a feeling of lightheadedness and for a period I remembered nothing; when I was still brushing on the cement,. B., The Wisdom of The Body, Norton, NewYork, 1932. You might say that you have never studied the circulation of the red blood cells under a microscope in a laboratory. Was it a particular person in the room from whom Harry received the strongest telepathic impression? a pattern, etc., is almost completed, a characteristic presque-vu experience arises. "Then a vivid picture of Tommy Whittaker came into his mind. He fingered the wallet for a few moments and then said, "The man who owns this was in an auto accident very recently. I am convinced that this was not an hallucination, but an expansion of what I call in Chapter 8, the psi plasma. If I can serve as a catalyst, even though many of my ideas fall in the fray, I shall have accomplished one of my major purposes. There were five control films and five test films in the series. No one was to give their opinion until everybody had had a chance to look at the film. Psychological behavior is similar to a person heavily drunk on alcohol. This is the prelude to an uncontrolled form of telepathic reception in our theory. "The group with persistent activity is known as P for short, while the larger group, whose alpha thythms are responsive, are known as R. 28. G., and Bateman, F., Modem Experiments in Telepathy, Yale University Press, New Haven, 1954. cit., Chap. Second, he gets a great deal of easily assimilable energy in order to achieve the final spwt of excitation, and he is aided in crossing this barrier by a certain loss of inhibition. H., Selection 23, "Visual Disturbance after Prolonged Perceptual Isolation," p. I went out through the door and picked my way upward through the trees, ducking branches until I came into sight of what seemed a mesh of wires and tree branches. And this is a necessary precaution because a mind unchecked by facts can get out of control and create fantasies that can become injurious to one's existence, or to others. Hettinger reports a study of psychometrists in which a total of 172 different objects was tested. 7-85. We have an instance where an ins Hurkos' mind and the mind of the party to whom it belonged. The Tungus believe that smoke or vapor is a form of matter that is easily assimilable by the spirits, and hence the most suitable form in which to offer different types of sacrifice (meat, vegetable matter, etc.) to the spirits. Some individuals have theorized that Yoga arose when the supply of the plant Soma decreased and ultimately disappeared, the theory being that an ecstatic state was originally realized with the help of Soma, and once without it the Vedic Indians nied to duplicate this experience. An alpha rhythm which persists when the eyes are open and the subject is apparently fully occupied-reading aloud for instance-is usually suggestive of some isolation from reality. Harry Stone was the sender, and Peter Hurkos was the receiver. The lamp was still alight and the door of the room was locked. They suffer rhythmic pulsations which display electrical, chemical, and structural aspects. AC1H in tum stimulates the adrenal cortex to produce a group of compounds known as the receiver. steroids, which fall in two groups, mineral corticoids and glucocorticoids. It could be clearly seen that both negative and positive fihns in this trial showed a long-stemmed pipe, 5 em. Frankincense gum was employed almost exclusively in the sacrificial service of the Tabernacle and the Temple until the time of Solomon's reign (Exodus 30:1, 7--9, 34). In this state one has a complete body image as a part of such consciousness, secondly, the MCC can at will go to any point in space that it desires, and be there in an instant as an observer. But it was impossible to establish this probability after the event On the other hand we could look upon this as a case of precognition on Peter's part. I proposed that we do a telepathy test immediately, to which she promptly agreed. Holding is not only balding the breath within the lungs. This is soon followed by unconsciousness. We are surrounded by the cbaos of its passing. This experience confirms our impression of an uncontrolled form of telepathic reception where the recipient has been opened up to too many channels of communication at once. This raising of the height of the water level is analogous to the increase in voltage pressure that must occur in order to overcome the synaptic barrier. development of mental control by the Yogin. I now go to the hospital room and I see a bureau and a blonde woman. "Whittaker got up and started to pack up his equipment. In our day we can illustrate this by examples from studies made on what is called the restricted errvironment." amount of physical stimulation to his sensory system. He pondered a moment over this question and polarity on the carbon dioxide capacity of mammalian blood plasma," Lecture before the American Physiological Society, April12, 1954, at Atlantic City, N.J. Christen B. It was stated: "Singing, jmnping and general excitement increase. The impressions that I have been getting are from a photograph in your wallet. The object was furnished by Professor C. It is not intended for any other pmpose than to place it down in some kind of record Gastaut, "Les formes experimentales de l'epilelpsie humaine induite par la stimulation auditive intermittente ou epilepsie psophogenique," Rev. We are just beginning to tap. Between the dialing of the last digit of any telephone number and the ensuing ring on the other phone, there is a time interval of less than two seconds. C. For the work of others consult the Journal of Parapsychology, Duke University. One of the people at the table would respond by giving one tap for no, and three taps for yes. NOTES Chapter 3 1. Peter said that the only thing he could think of was to keep the boy home on Wednesdays. In addition, alcohol at first markedly increases the oxygen consumption of the brain and improves the circulation by dilating the pial vessels. V. This can very easily be initiated by incorrect breathing. A remarkable symptom is the strong outbreak of perspiration during the first few hours (the muscarine effect). What they experienced are examples of telepathy, clairvoyance, the action of mind at a distance, and most remarkable of all-the personality !teeing itself of the body and traveling where it will across the reaches of time and space. Harry entered the room blindfolded, as usual, and concentrated for a few minutes at the door. I decided to look into this phenomenon a little more seriously. Here it will across the reaches of time and space. begins to hallucinate, strange creatures float through his imagination,. This research was canied out under the auspices of the Consciousness Research Foundation, Inc., San Pedro, Calif., under the guidance of Dr. Kurt Fantl, Dr. Margaret A. The people and the Shaman drink tea and eat boiled meat. "I thought hard of two friends with whom I had discussed my experiences, and who had asked that I try and 'visit' them the next time I was in this 'free state.' With this thought, I immediately felt myself in a body, in a large darkened room. Such states presume that the individual can assume and maintain a personality form different from his own, and maintain it in the face of, or in the presence of, other and often conflicting personalities. To the Y -axis is assigned the physical dimension of length as L for OY with unit number value 3.01 X 10 10 em. However, this is not the end in that the Yogin goes on to a state that we can scarcely comprehend but which can be faintly described as merging his liberated nuclear self with that of a greater entity, namely God. The subject is a forty-four-vear-old highly successful New York radio producer, writer, and business executive. This of course was intended for me. "The odorous components of essential oils are not unfamiliar to us. NOTES Chapter 1 1. and the question naturally arises as to how large such a network can become? Gaddum, Phannacology, p. Here the Fakir is alleged to suspend a taut cable between two high points in such a way as to be invisible to the audience. Ross was present. The word kumb comes from an old Sanskrit root which means pot or a vessel, and in this instance pictures an inverted bowl. With regard to the visual component this is the well known phenomenon of deja-vu (g). It is my opinion that the object in this case acted as a tuning device which allowed Hurkos to tap, in an approximate way, the mind of Dr. Ducasse with specific reference to the object in hand. I have coined the phrase "Mobile Center of Consciousness" because it seems to me to be descriptive of the state in question. Under the influence of such electrical fields the oxygen in the air gains a negative charge (ionized). Accompanying this verifiable heightened telepathy and/or clairvoyance was a feeling of great relaxation and peace. Psychokinesis is studied in the laboratory with attempts to influence the fall of a group of rolling dice. 2 In other words the mind tries to interact with a moving mechanical system and tries to get certain die numbers to appear face up. The rectifier function are lumped into the physical structure of the thin dielectric. We have no equivalent term in the Western world to describe it It is based upon all the factors already cited, but it is not a state of consciousness per se. But in view of Peter's warning he had persuaded both Art and the psychiatrist that Art should be hospitalized until he was better. "I see dogs and cats. There was no doubt that Hurkos' fear was profound as he sat on the electrically charged foot plate. Ross nor Mr. Jochems was able to produce a density or an image on the film as Mr. Hurkos had done in the expertments cited earlier. B., Smith, B. He insisted that we place a call to Jim in New York City, a distance of some 440 miles. It is a known fact that if the Shaman oversteps the limit of drinking needed for obtaining ecstasy or as a stimulant, he may be intoxicated to such a degree that no ecstasy can be maintained. In the Yogin it is of relatively short duration and is illustrated by the first twenty minutes or so of a breathing exercise. Home. Presumably the hallucination originated with the Fakir as the agent or sender. This second part of the performance is over, which takes about two hours and sometimes may last longer. "I lay there for a moment, then raised my head. Actually the nature of the charge was such that even though he was sitting on the foot plate and the electricity was turned on, he would not experience any shock. They were welding overtime in order to finish up a seam before stopping for the night. After four weeks they began to be relieved of their anxiety and decided to send the boy back to school. If the candidate for Shamanship survives these ordeals and the trial is considered satisfactory by the jucy of the clan, he gains recognition and becomes a Shaman. Pawlowski, F. In general we can say that the Yogin must develop processes which tend to conserve potassium ions, and lose sodium ions, although this mechanism is unknown. Opisthotonus. I floated around in front of them, waving, trying to get their attention, without result. First a series of tests was ruo to determine if Harry did indeed retrace either the steps or the thinking processes of the person who hid the object. Pilocarpine produced similar effects in doses which would be ineffective hypodermically. Dr. Henry Wilson?" I lookfd at her quizzically and said, "How did you know that I know Dr. Wilson?" She replied that she didn't know this before but had just gotten the impression mentally that I know a Dr. Hemy Wilson. But in my presence was a person highly sensitized (cholinergia?) at the moment to receiving telepathic impressions. Cushing, 1931, observed that the introduction of pituitrin into the lateral ventricles produces marked vasodilatation, sweating, lachrymation, salivation, vomiting and fall of temperature. I was conducting an experiment with Mrs. This term has a rather interesting meaning-whirlwinds. The resting potential across the nerve membrane is of the order of sixty millivolts, and the inside of the nerve is negative in sign, electrically speaking. In general we can state that the biochemical shifts are all in the direction of slower and more powerful electrical nerve pulses. and for an intensification of his intuition. He drew up behind it. Kroll, De Oraculis Chaldaicis, Breslauer Philologische Abhandhmgen vn, i, 1894. Realizing Boris was ill and in bed, I thoughi I would visit him in the bedroom, which was a room I had not seen and thus if I could describe it later, they could document my visit. The interseizure EEG of certain of these patients showed sporadic spikes and slow waves from one or both deep anterior temporal regions. On January 22, 1952, at 10:27 A.M., a routine telepathy experiment was begun with Mrs. It was found that in spite of this slow rate of breathing, his oxygen consumption increased 24.5 per cent over that of control levels. G. I suddenly slipped into the condition I have described earlier, namely where there was some sort of ray either entering my body or leaving it.6 I do not know which. Not being very successful at sleeping, I picked up my can of cement and began to breathe it deeply. We know that in general both the Yogin and the Shaman practice for long periods the ability to withstand cold and to increase the heat production of the body. A serious sickness. It could have unconsciously been in Art's mind on this vecy day. However, we must remember that since time immemorial man had been inhaling one gas or another in order to experience revelation. Some of them were in a state of half consciousness, while at certain moments they might have been 'unconscious. Assuming that the carbon-dioxide concentration is increased both in the alveoli and the blood, what effect will this have on the central nervous system? We are now in the realm of unconditioned mental dynamics largely unknown in the world of Western science and psychology. I then passed through this state of inebriation, which is comparable to the state that Behanan describes as exhilaration and excitement Thereafter I lost consciousness for about an hour; obseiVers tell me that I sat motionless throughout this period with a pulse rate of 36 and very slow respiration. Miller, Paul, Science in the Seance Room, Psychic Press, Ltd., London, 194~p.121. Later, the amplitude remains high, but the frequency is decreased. Sidgwick presented a paper to the British Society for Psychical Research in which she reported the case of the Honorable Miss K. After this she felt unusually exhilarated and relaxed, the abdominal cramps disappeared, and she had the feeling of unusual mental acuity, and what she described as "traveling" clairvoyance. Moldenke and Moldenke, Plants of the Bible, Chronica Botanica, Waltham, Mass., 1952, p. 2. Grey Walter states: "In most people the alpha rhythms, prominent when the subject makes a mental effort-for example, while doing a sum in mental arithmetic. Peter was inaccurate in some details of this accident but his essential intelligence was correct It must be remembered that the boy in question had been infonned, and was thereby probably alarmed by the possibility of an accident at such a comer and therefore may have been accident prone. However, the Yogins themselves state that the chief purpose of perfected pranayama is to release a latent mental energy in the mind which they call kundalini. It became guite clear that whatever mechanism was involved in the table tapping it was not the same as that which Mr. Hurk, os had released in activating the density and image on the film without light. 21, No.4, pp. These facts accord well with our hypothesis that the aim of the last portion9 of the ritual of the irrational is to decrease the frequency, 8-10 cycles per second. All the evidence indicates that oxygen supply is maintained at a normal or even increased level. I floated over her, by willing it, and then moved down and patted her on the cheek. "Nearing the trenches on Washington Street (near De Soto Road), he saw one of his company's trucks staruling there with the generator running. In this particular instance Hurkos was not allowed to touch the sealed package. The following is a condensation of their case in their own words: .. In the late afternoon of June 14, 1955, Jack Sullivan was alone in a fourteen foot trench welding new thirty-six inch water pipes alongside busy Washington Street in the southwest section of Boston. Then I related myself and body to the floor on which I sat. PART1WO "Part A. If subcortical discharges are eliminated, the effect of carbon dioxide on the cortex results solely in a decrease in excitability. A friend of mine gave Peter Hurkos a letter sealed in a manila envelope. They report that the effect on the subject is the same as with photic stimulation, i.e., showing the appearance of EEG spikes in the absence of clinical symptoms. I curiously reached over the side of the bed and felt the floor. We must squarely face the possibility that memory or intelligence is not strictly limited to the human mind. Bill on the called an abrupt arousal reaction. He controls it; it does not possess him. Garret 's experience. "My first attempt at inhalation from the can ended in my first surprise. The carrying of such heavy weights either on the body requires great strength, and requires the output of additional effort in order to carry on the performance. Garrett, however, being sensitive to telepathic impressions and being in my presence, must have intercepted the unconsciously sent telepathic message intended for me. Garrett did not make a single call during this period. In fact, we might say that the entire conversation which ensued was rather trivial. While the interaction between Joe and Bill in this instance took place at an unconscious level, there are striking instances where the sender of a telepathic idea is fully conscious of his role as an agent This phenomenon can be studied in the laboratory, where two people, that is a sender and a receiver, tty to send messages to each other across the distance of several rooms. No one at the college could tell her where her son was. We were both looking at the mock afterglow in the western sky cansed by northern lights. Garrett some moments earlier. The proportions vary a good deal according to occupation, but, in general about two-thirds of an ordinary normal group of people selected at random are found to be of the R type, and the remaining third are about evenly M and P. My wife, upon hearing of the 'visit' I made, had flatly stated that it could not be so, because Boris was in bed sick. Whether we understand this state of the Shaman and his relations with the audience as mutual hypnosis or suggestion, the direct mutual influence of a continuous excitement is such that the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his relations with the audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional, mental, and telepathic network, and thereby the Shaman and his audience become a complex emotional. remarkable. 2) The range of interruption of the above frequency output was eight to twenty times per second. The depletion of one's amino acids and body proteins again must have a fundamental tonic and restorative effect on the structure of the plasma membrane of the network of the network. are the general symptoms of parasympathetic activation. The same effect is produced by the taking of alcoholic drinks such as Russian vodka or Chinese wine.20 A strong person may drink more than a bottle of vodka during his performance. "With dtis thought an amazing thing happened. Shunyata) is the one great aim; for to realize it is to attain the unconditioned Dhanna-Kaya, or 'Divine Body of Truth.'" Tibetan Book of the Dead, Oxford, 1951. I grew wonied, and then I seemed to remember, and rotating on my body axis, I turned around and faced upward. The first is that of inhalation,. Chadwick, "Shamanism among the Tartars of Central Asia," Journal of the Royal Anthropological Institute of Great Britain, 66: 291-329, 1936. Suddenly a thought bit bim. Johnson, Raynor, op. In both cases the receivers were relaxed and in the state of cholinergia. We have been told that the Shaman's performance will have failed if he gets drunk; but we will consider primarily the "stimulant" effect of the alcohol on his performance. In the case of the inductive component of the plasma membrane, it is not possible at this time to assign any definite spatial localization to it. "The imaginary patterns provoked by flicker in conjunction with alpha rhythms are produced in the brain. 8b. My other purpose is to bring the latest thinking in this field to the attention of many intelligent seekers who in turn can utilize some of the techniques herein described in the private laboratory of their own mind. We shall have to discuss another instance of threetermed telepathy in order to begin to understand the question that has been posed. Garrett, which had ruo thirty-six minutes, and played the tape recording of our session. 197-98. It felt precisely as if someone had placed a hand under each arm and lifted me. Ross is a woman in her early fifties who is very pleasant and speaks quite factually about her experience with table tapping. It was not necessary to have the Agent remain in the same room with Harry. what looked like a world as seen from a very high airplane. Hurkos--sender Stone-receiver Control 2.4/10 or 12/50 Test Trials 350 Hits 223 Average Hits for 50 Trials 350 Hits 223 Average Hits for 50 Trials 31.85 Mean 35 Standard Deviation 5.61 33.5 Critical Ratio Probability = -log O(X) 238.39 4. For example, it was found that either glucocorticoids or mineral corticoids in large dosages possess the property of producing a state of great excitation followed by confusion, and if the dose is large enough followed by marked depression of all muscular and reflex activities and eventually deep anesthesia. The Yogin then goes through a long stage where he develops mental control over evecy one of the voluntary muscles of the body. In this condition one can lay one's hand on a piece of paper and lift it up by simple electrostatic attraction. I see a dark color. If he is overexcited, the tobacco has a soothing effect; if he is in a depressed mood, smoking excites him." The pharmacological effects of nicotine are abstracted from Gaddum, J. some of them benign. 24. What strikes me as being unusual about this apparition is that it was not dependent for its existence upon a living organism for the form which it represented. I hear a strange language. The sympathetic, on the other hand, accelerates the heartbeat. Proc., 12: 338,1953. The other statements were remarkable in their knowledge of the situation. This we have come to recognize as being based on a state of adrenergia. It is essentially a group phenomenon. Bender, Disorders in Perception, Charles C Thomas, Springfield, ID., 1952. The Tibetans bum juniper. These comparttnents are separated by membranes similar to the plasma membrane described earlier. He was able at times to simultaneously observe his physical body, his folded arms, and at the same time independently separate from these their imaginary part. In the case of the Shaman it is the result of external supplies of carbon dioxide in the form of smoke, and in the Yogin it is the holding of the breath which insures that the

lungs do not lose carnon dioxide. Apparently an inhalation is taken for an eighth note at the end of each two measures, in some cases this inhalation may be of a quarter-note duration. Garrett had not been present it is certain that Puhari.ch would never have been aware of a telepathic message. Not only is the carllon dioxide carefully regulated within the body, but the burning plants which produce carllon dioxide in great amounts are consciously and purposefully inhaled by the Shaman. One of the persons in the room would then take a small object such as a dime and hide it out of sight at any place in the room. In general we can say that the candidate for Shamanship is what we would call psychologically a "jumpy" type. As nothing more happened, I decided to leave. L. The Shaman and Yogin in the adrenergic phase are believed to undergo physiological shifts in the same direction. Heart-Rate slowed; contraction weak and brief and followed by a brief refractory period. Thereafter at no time did my consciousness appear to me to be in any way dimmed, but I suddenly realized that my consciousness was separating from another consciousness which was also me. Garrett If Puharich had not been present it is almost certain that Mrs. Hence one could look upon her as a source of suspicion, or one could consider her as the agent for this psychokinetic phenomenon. It appeared as though her mind was a collecting vortex for people who had a deep personal meaning to her. In the case of the inhibitory effect of adrenergia we can imagine that this exists as a water dam interposed between two nerve fibers at the synapse. Another method of control was attempted in trial number eight. The Agent (owner of the object) is placed at a distance from the psychomettist. William James, The Varieties of Religious Experience, 1908. We have thus far considered only a three-termed telepathic network. 305. I was snrprised to find Dr. Wilson on the phone, the same Dr. Hemy Wilson referred to by Mrs. It apparently had not even occurred to him that the photograph next to his son's, and which was still in his wallet, was at all under discussion. The possible proof of the thesis that adrenergic inhibitory blockade of the cerebral synapses of the temporal contex (after excitation by the effects of camphor and interrupted sonic stimulation) would lie in finding an adrenergic blocking agent that has such an effect. McConnell, R. A capacitor has the property of being able to hold a certain quantity of electrons, that is, it is a reservoir for electrons. That is, they ascribe to him certain ability and powers. Three methods are widely used, namely, smoking tobacco, 16 drinking wine or other alcoholic beverages, and the use of inebriating mushroomsP However the Shaman usually neither smokes nor drinks before the performance; but it is done when they change spirits and additional excitability is required or when the Shaman is tired. It was within this time interval that Bill picked up the telephone and found Joe already on the line. There appears to be some direct correlation between cenain types of nervous activity and the production of cholinergic substances. The first nerve element, let us say, will excite the number-two cell across the synapse, but to inhibit it. NOTES Chapter 7 1. I felt around on the sub-floor and there was a nail, a chip of wood, and some sawdust. The nitrogen consumed is a principal building block for amino acids and proteins. "Each evening there were three or four exposures of plates in the five cameras, giving at least 15 separate exposures at each seance; some of these were spoilt in the developing, and some in regulating the amount of light. He was swprised that Peter had originally seen a cut wrist with blood flowing from it. Yet something must move to produce moving patterns.... The biochemistry of cholinergia is described in Sir Henry Hallett Dale's Adventures in Physiology, Pergamon Press, London, 1953, Chaps. They also complain of a strong need for urination while they are mostly unable to urinate at all. It is simple enough to see a one-to-one relationship between a telepathic receiver when the intelligence transmission and reception is contemporaneous. Very often it was like looking at a brilliantly colored mosaic made up of small regular geometrical figures. The attendant produced the reading glasses. NOTES Chapter 8 1. Experiments of a similar nature with positive results have been reported by Prof. This evolution is repeated four times in the same order. "My first experience that struck me as being more than a dreamlike state was one night when I lay down to go to sleep. I must say that most of these attempts were unsuccessful. Thus in the conrese of the electrical cycles, the protein structures will be worked to and fro along an axis coinciding with the direction of the changing action potential. Neural., 80: 633-34, 1948. A number of stimulants are used by a Shaman to increase his centralnervous-system excitability and general emotional excitement. Not knowing this, it is difficult to see how she could have created an hallucination, and that her husband without any prompting or coaching immediately saw it Another unusual feature of this apparition is the fact that both the husband and the wife clearly heard the words "Willie, Willie!" proceeding as if from the apparition.

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