clear that the tactile images were dominating and that his hands were of a predominantly tactile type.

Thus, according to their respective predispositions, one person can "see," like Diamondi, figures being placed in front of him, while another person, like Inaudi, hears his own voice calculating. Fleury, in turn, felt the relief of cubes at the tops of his fingers. Each sensation is, therefore, with each individual complementary to the rest of his personal mental activities.

These faculties show the extraordinary possibilities of our brains which are even capable of competing with computers. All these powers imply a consciously directed sensory-motor activity which, no doubt, will interest parapsychologists by their analogies with automatic writing and, on the evel of art, with designs and pictures executed by those who are "painters without having learned."

In short, all these synesthesias diversely oriented and tributary to conditions obtained without direct participation of our sight, have shown the important role which color impressions can play in our daily lives. Everything said up to this point, however, has been in relation to the "normal" powers of man.

But as we have stated already, it occurs that these powers transgress the framework of classical psychology. This happens, for example, when there is an intrusion—often a brutal one—of data contained in the consciousness of others or of a perception of events that take place in the present but at a distance, and when past and future events are "seen."

Then the doors open to the domain of the paranormal which is always so near to the domain of art.

II

THE PARAPSYCHOLOGICAL LEVEL

Here we have finally arrived at the heart of our subject, From now on, we shall consider more complicated phenomena: appearances of colors and figurative forms evoked at a distance—by telepathy or by clairvoyance.

As the existence of these phenomena has been confirmed by statistical evaluations, the reading of this chapter may seem rather dry. It is the truth, however, that these statistics are a guarantee of the seriousness of these experiences and experiments; they stress not only the importance of color in paranormal perception but also the importance of the Stepanek effect, named after the subject on whom this effect was observed.

I. Appearance of a Color by Telepathy

- 1) Role of the Nature of Stimuli and Results
 - a) Standard Playing Cards

The proving of telepathic phenomena by statistical methods is especially facilitated by using decks of simple playing cards and by playing a card game.

Ever since parapsychology made its start as a science, the psychic research societies in England and France endeavored to establish experimental proof of the transmission at a distance of colors and colored symbols of playing cards. This study was later extended to other stimuli, as we shall see later.

Looking back, we will remember that Professor Charles Richet was the first to introduce statistical methods to parapsychology, in 1874. He used card games, just as Myers did later in 1884. The

numerals as with face cards.6 probability of success is as easy to evaluate concerning colors and

their evaluation in proportion to simple chance expectancy. this operation permitted the establishment of statistical results and cards, drawing one and asking the subject to identify it. Repeated, At the beginning, the experimenter was satisfied to shuffle the

the tests into a game. the tests. The subjects, even those very gifted, submit with difficulty to the discipline required; this gave birth to the idea of transforming lead to a decline, which was ascertained right from the beginning of It is true that too monotonous a repetition of these trials often

another suit is handed to the percipient. The banker shuffles his 13 acts as the "banker" has in his hands 13 cards of the same color; lier, is one of the variants of this astute adaptation. The agent, who center of the table. required to draw an identical card from his hand, placing it in the cards, takes one at random and looks at it while the percipient is The Game of Telepathic Encounter, invented by René Warcol-

stacks of two cards each. Then one can proceed to the statistical covered by a card from the percipient's hand. There will then be 13 repeated with the 12 remaining cards, each of which will then be Over this card, the agent places his card, face down. This is

normally, certain forms or certain colors. check his progress and observe if he can perceive better, train himself, all alone, to pick out diamonds, hearts, clubs, spades, clairvoyance. In the absence of a partner, a subject can very well face down to the table. He could easily evaluate the results himself, face cards or numerals from a deck, the cards of which are turned These tests for telepathy can just as well become tests for para-

even if unconscious, of structures or colored forms which impose difficult to eliminate in these anticipated experiences the influences, themselves more particularly on the subject. As certain colors are more predominant than others, it is

Moreover, certain predominant symbols acquire this quality due

This test differs from the one made with colored Zener cards, which are also used in the United States, but with the same color for each categy of the care of the category of geometric figures. Thus all circles are yellow and all crosses are red. The probability remains, therefore, 1/5 for every "hit," while in R. Warcollier's test it is 1/5 for partial hits (figure or color received separately), but it

dominant, as stars are displayed on the American flagthe United States, it is the star of the Zener cards that is most preto certain customs which are characteristic of a country. Thus, in to some unforeseen particularities, for example, symbols that relate

commant, as stars are displayed on the American mag.

Transmissions of colors at a distance seem to be then of a special interest for the study of their predominancy as well as for the possible eventual relations to psychology and physiology.

One difficulty has to be faced: that of finding tests as capable as possible of eliminating at one time, affective reactions as well as

the perception of too elementary stimuli.

or devices able to stimulate the transmission (see below). To obtain these results, René Warcollier and, with him, kené Hardy used either decks of cards with different symbols and common than the common transfer and the common transf evices able to stimulate the transmission (see below). 7
The author herself adapted René Warcollier's test to her reseach

results with the ones he had obtained. work with subjects deprived of sight, for a comparison of Beir **RDP**

b) Telepathic Decks of Symbol Cards

and color. Different decks of 25 cards were thus prepared for so-called double-effect tests. The experiments were carried out with closed decks with an agent operating on a group of about a percipients, who often were of very different types and had for the first time to the Institut Métapsychique International.

Not only did the results permit a bringing out of the aspect of their paranormal reception, but also modifications of pesse results, according to the affective effects of one or the other associations. tion or only a simple element that is best transmitted, Warcelier used successively various stimuli comprised of two receptible-cle-In order to research statistically whether it is a figure comma-

with the physiology of sensory channels. raised, besides, the question of the relation of paranormal percession ferences of predominancy found in the reception of colors. They tion of the elements of the image and, in addition, notable Odif-

.7 6.

1/25 when there is a global reception of the figure and the color.

Predominant is used to translate the French word: "prégnante." However, it was Dr. J. B. Rhine's statistical work which introduced parapsychology at Duke University in

can find its place here, going through its different stages. In connection with this subject, the so-called "domino test"

according to distinct sensory and motor elements: tioned, two elements to detect, consisting of five concepts distributed The first test is a double-effect test, because there are, as men-

Velocity	Geometry	Music	Fruits	Insects
3	(G)	(M)	(F)	(I)
:	 	°.		possessing:
a dynamogenic element (linked perhaps to cenesthetic and kinesthetic impressions)	an intellectual element	an auditive and affective sensorial element	a gustative sensory element	possessing: an emotive element

as: apple, banana, grape, lemon, and pear for the fruits. Each of these concepts comprises five concrete images such

untrained subjects, have been the most frequently received: ship (V), grapes (F), trumpet (M), dragonfly (I), and triangle (G). figure, but those which, statistically, based on 100 runs with 30 The first test permits the selection of not just any image or

ously selected with a line of five different colors, thus with each of or black. the five dragonflies one was colored with blue, green, violet, red In a second test, René Warcollier encircled each image previ-

colors: Red = 32; Black = 30; Blue = 29; Green = 26; Violet = 19. results which were more significant (CR - Critical Ratio -= 3.43) hits of colors showed a considerable difference in predominancy of for the colors than the partial results. An analysis of the global On 2,550 trials conducted in 1956, there were 136 global

sequently, as it is higher for yellow, another problem arises: if we our habitual scale of retinal sensitivity, which is low for red. Concorrespond to the physiological order? would the paranormal order of color reception correspond or not replace violet by yellow (for which the retinal sensitivity is maximal), It may be surprising that this order does not correspond at all to

However that may be, several important facts are established

- 1) The global results express the psi faculty much better than the partial results.
- 2) The partial results show that the figures are better received the colors.
- ယ The colors are unequally predominant.

 Finally, in a third test, the deck of cards is further modified in order to appraise the inferiority of the partial results obtaked
- with colors in relations to the figures;
- with colors in relations to the figures;

 2) In order to see whether the paranormal transmission of the year. color does not correspond to the normal retinal sensitivity for his

Instead of simply encircling each of the figures with a color line, René Warcollier colored the entire surface of the pictures with **Ga**ch of the five colors among the colors and the colors are the colors and the colors are the colors and the colors are the col of the five colors, among which violet was replaced by orange-y Moreover, he used fluorescent colors.

tests was: Red, Black, Green, Blue, Yellow. The decreasing order of hits of colors obtained in the stable was: Red. Black, Green, Blue, Yellow.

The definite results of 6,250 trials can be summed up as fol-

- lows:
 1) The percipients received the figure-color combination stigulus much better than separate elements. On 6,250 trials, the Crowas 3. There was one chance in 741 that this result would be again-
- The intense coloration of the stimuli made the color partial hits positive, depending on the forms of the figures.

 The yellow-orange was as little predominant as violet.

on the one hand, the coloration of the cards and, on the other **L**and, the classification of the colors when they do not correspond to the physiological sensitivity of the eye. physiological sensitivity of the eye. The most interesting results are, of course, those that concern,

other experiments with other decks voluntarily linked with affective flies are inhibited, a red star is, on the contrary, definitely positive. associations, it has been shown, for example, that, if black satter-An objection could be raised, however, when in a fourtifictest,

It should be recognized that, even in quantitative experiments,

hensions, modify the global results. affective factors, especially those corresponding to fears and appre-

part. So it is that an association of ideas such as black butterfly or ways facilitate the outcome. It happens that they play an inhibiting black flower inhibits the psi faculty. We should not believe, however, that affective associations al-

c) The Domino Test

explain its scope. A moment ago, we alluded to the Domino Test. Now we shall

black—thus constituting a double effect. have, in its turn, five different colors: blue, green, yellow, red and dominoes. Hence the domino test terminology. Each numeral can in adapting a geometric presentation of the kind seen on the faces of make use of the numerals from 1 to 5, as René Warcollier has done ture-color association can contain, there is nothing simpler than to For a definite elimination of the emotional charge which a pic-

5,000 trials were made and the global critical ratio (CR) was

being 40 for each color. Green-55; Black-45; Blue-42; and Yellow-40; the chance average faculty. The classification of the 243 global-hit colors was: Red-61: Here again, the double effect discloses clearly the paranormal

applied, and black was found to be halfway between the predominant colors and those which are not predominant. Not one of these colors was below the probability rating to be

and yellow remain at extreme positions in telepathic transmission of Whatever the elements may be to which they are associated, red

yellow, CR = 0.31. next for green and black, and near to simple probability for blue and test; the statistical analysis showed positive results for red, CR = 5.21, national the transmission of colors by using a closed-deck domino The author herself studied at the Institut Métapsychique Inter-

different results, which brought up the problem already mentioned: what are the relations of paranormal perception to the sensory in-On the other hand, research done with blind subjects led to very

d) Adaptation of Certain Tests for Blind People

one could raise the question whether subjects who lost their sigh?

accidentally, but having seen colors during the period preceding their blindness, would be receptive to colors in the same order, going from 10. effect, of releasing the same reactions as the corresponding sensation, Considering the fact that an image has the characteristic, in

Among the various investigations we were able to make personally since 1966, we wish to discuss those we carried out with Jacobana.

ques Berthaux, who became a sculptor after losing his sight. As we have seen, artistic sensitivity is a favorable condition, as it is often linked with those paranormal conditions which we are studying.

Let us stress the point that in all this research work based main on the relations of the kinetic and motor sensations to mental images and colors, the agent as well as the percipient uses targets cut of wood, or plastic material which a blind person can identify.

We further wish to point out that the experimenter and the sufficts are by turns agent and percipient. A realization of the reciprocations of sending and receiving actually favors the transmission.

conditions of sending and receiving actually rayous the literation of sending and receiving actually receive by four sensor exterior data which the subject can only receive by four sensor channels.

The inversion of the roles also breaks the monotony and relieved the fatigue which cannot be avoided with endeavors of this kind. The case of the blind must pass through several intermediate stages in the case of the blind must pass through several intermediate stages requiring first the transmission of motor and tactile stimuli.

For this purpose, geometrical figures are used again, but placed in the same order before the agent and before the percipient.

When the sound signal is heard, the agent outlines with a pencil very carefully the contours of one of the forms and the percipient trees.

to name it.

In 1967, small disks pasted on cardboard—the so-called dominatest—furnished the stimuli for sending the numerals 1 to 5, then Zener cards cut out in plastic material were used and,

Leaving the transmission of forms behind, we started with the

ducing polychromic sculptures. sending of colors, as Jacques Berthaux was also quite capable of pro-

2 cm. apart. Tactile markings indicated the colors of the pieces placed red, green, yellow and blue-were pasted in this order on cardboard, color he was sending or receiving. before the blind subject so that, in touching one, he knew which Rectangular pieces, sized $2\frac{1}{2}$ x $1\frac{1}{2}$ cm. made of galalithe—

and decks of 20 cards for the sending of colors. since October 1971, decks of 25 cards for the sending of dominoes sible to those followed with subjects with normal sight, we have used, In adapting the processes of these experiments as closely as pos-

cards of the agent and percipient permitted an establishment of the card by card, and a comparison of the sending and receiving of the responding color. After shuffling the cards, the sending was done on the cards with Braille characters above a plastic label of the corresults after the emission. Jacques Berthaux's deck showed the name of the color embossed

ation was made. In these experiments, yellow CR = 6.37 took the first added to those obtained with Jacques Berthaux and a statistical evaluhad lost his sight accidentally many years ago. The results were place and green CR = 0.92 the last. Analogous experiments were conducted with another subject who

of one sensory channel?9 predominant. Or are there physiological explanations due to the lack Perhaps a memory of luminosity made the yellow color more

voyance (without an agent) made by Professor Hans Bender in followed by black, red, green, blue and violet? 1936, which demonstrated that the best received hue was yellow, Should they perhaps be compared with the experiments on clair-

conditions and that it can vary if these conditions are modified on a normal perception of color is linked with general psycho-physiological sensory plane. From all these comparisons, it seems to result that the para-

[34]

The René Hardy Apparatus

processes of a direct inscription of the results on standard IBM punch cards.

Concerning the first method, Engineer René Hardy, who dientification of the results on standard IBM to the punch cards. methods such as the registration of the results on electronic devices of tedious analyses, but parapsychology must also use modern technical All these statistical studies require, quite naturally, long and

research on a new statistical method for the study of unconscious preference of colors, constructed a dial apparatus, one feature which was the electronic registration of the calls of the percipient.

It is comprised of a dial divided into five sectors of different colors—Blue, Green, Yellow, Violet and Red—in front of which turns, in five seconds, a pointer. Here, too, we have two elements of transmission: rhythm and color.

The transmission here is realized in a manner differing greater from the one produced with cards (case of telepathy). Moreover, from the one produced with cards (case of telepathy).

ence to the others.

to the others. Hardy considers the phenomenon of telepathy as a particular

The velocity of the pointer turning on the dial and watched the agents must be transmitted biologically in perfect synchronization with the percipient. The latter, located in another room, must try detect the precise moment at which the pointer passes in front of that moment, he pushes an interrupter which registers his call and fixes the position of the pointer.

The statistical results showed that, even when the choice of the pointer was voluntary, the predominancy of red persisted. case of telecommunication.

color was voluntary, the predominancy of red persisted.

The will, of course, can add certain modifications. Red, however, remains at the head of the classification, yellow and violet appear to be more difficult to transmit. Further below, we analyze the results in more detail. ୍ଲି **Å**pprov eğ

f) Standard IBM Port-a-Punch Cards

not give, of course, any results of a paranormal perception of colors, but it offers a fast technique permitting the percipients to register Concerning this second method of port-a-punch cards,

⁹ Analysis of pilot tests made with Daltonian subjects at the initiative of Dr. H. C. Berendt showed the predominance of the color blue. Of 1,500 trials, there were 78 global hits (p=1/25) with the colors distributed as follows: Blue=21, Red=18, Yellow=14, Green=13, and Black=12.

one of our collaborators, Lionel Olivyer, drew up other types of analyzed by a computer according to its programming. immediately their calls on cards ready to be "taken up," i.e., to collected "manually" and then the statistics had to be prepared. sheets which were more practical, but the results had still to be When in 1970, we again took up the study of domino tests,

gineer with IBM, found that the results could be "taken up" directly by the percipients themselves on port-a-punch cards. The essential advantage of this new process is the direct record-More recently, another of our collaborators, a consulting en-

termediate handling has become superfluous. by the computer according to a certain research program. Any in-

ing of the results by the subject on cards all ready to be analyzed

into 5 double-entry tables. the numerals 1 to 9 are vertically printed. Our collaborator had the ingenious idea to use the numerals 1 to 5 and to divide these cards We wish to point out that, on this type of port-a-punch card

-The Numerals are arranged in vertical columns

intersection of a numeral column and a color line (Fig. 2). -The Colors are arranged in horizontal lines. All the percipients have to do is to punch their calls at the

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green, yellow, red and black. sified the colors in the order of the colors of the prism, i.e., blue, In addition, in order to universalize this process, we have clas-

After the first tentative experiments, we realized that this tech-

results, but that it presented advantages by itself on the plane of nique was not only a means of simplifying the calculation of the paranormal reception. We found out that:

þe

1) With these cards, all fraud can be avoided;

1) With these cards, all fraud can be avoided;
1) With these cards, all fraud can be immediately checked by a 22
2) During training, the results can be immediately checked by a 20
superposition of the sending cards and the cards of reception of 00
information transmitted telepathically;
3) It seems that the slight relief of the port-a-punch cards is a support for the reception of numerals. Moreover, the order of the 40
prism, which has a natural base, seems to aid the subjects in 00
visualizing the colors;
4) Finally, at the time of each reception, which can sometimes be 22
4) Finally, at the time of each reception, which can sometimes be 22
call) than to write it. Thereby the rhythm of reception could be 00

lowered from 20 to 10 seconds.

We may add that the porta-punch cards, thus modified, can also be used to advantage for the registration of the results of clair-D

voyance and precognition tests.

2) Role of the Modalities of the Emission and Results

a) Experiments with a Single Agent
It is not only the nature of the stimuli which is of importance in the telepathic transmission of colors, but also the procedure of trans mission.
In the classical experiments, there is actually only one agent in the classical experiments.

one room and one or several percipients in another room. They must detect the stimuli or a run of cards which the agent, who can be at a great distance, transmits successively by looking at them in the entry of th

room where he is isolated.

These experiments take place on the plane of information to be transmitted, without deliberate intention to act on the motor function.

There is, however, another type of experiment with a single agent whereby the latter has a definite intention of influencing the motor functions of a percipient, in making him execute a conscious directed act. We have then a suggestion at a distance and the conditions of the condition

tions of the experimental process are different. In this situation, the agent must "see" the subject in order to

[36]

guide his movements towards the stimulus to be detected. For this set, as used in the laboratories of the United States. purpose, a special device is required, for example, a closed circuit TV

Experiments with Two or Three Agents

several psychological aspects of transmission. ಠ one or several percipients. This study permits the consideration of In the preceding tests, a single agent sends one or several stimuli

ology to paranormal perception, but on the plane of possible relawe did research not on the plane of relations of psychology and physitions of transmission with physical parameters. With one of our collaborators, Lionel Olivyer, who is a physicist,

of hits, i.e., exact calls. modifications of these external conditions and those of the number determined conditions. We tried to obtain correlations between the or even two different stimuli, this time by two or three agents, under "interference" by sending simultaneously one and the same stimulus In order to do so, we have tried to carry out experiments of

ternational during the years 1970-71. The transmission of a run (the agent and the group of percipients was about 2 meters. 25 cards of a deck) took 6 to 7 minutes. The distance between an These experiments took place at the Institut Métapsychique In-

5 green, 5 yellow, 5 red, and 5 black cards, or the double-effect test, the numeral-color "domino" test introduced by Warcollier. We used either a deck of cards of 25 colors composed of 5 blue,

Here are the modalities and the results of these transmissions:

Transmission of an Identical Stimulus by 2 Agents

(numeral-color) by two agents to any number of percipients as We arranged for the transmission of the same double stimulus

two agents "send" simultaneously an identical card to the percipients. The same order of cards is maintained, and at each sound signal the A deck of 25 shuffled cards is put in the hands of each agent.

correct calls and particularly of those called "global," in a proportion of 9%. All the results varied in the sense of an augmentation of the

Transmission of a Stimulus by 3 Agents

agents. While with one agent we obtained +3.7% correct responses to send simultaneously the identical color to percipients by three In a preliminary study, we used a simple stimulus and arranged

agents. While with one agent we obtained +3.7% correct responses or hits, in the case of triple emission, the results were -13.6% of the 20 probability ratio.

With a double-stimulus transmission, however, we observed 00 a decline of 18% for the globals in proportion to the results obtained 10 in sending with a single agent.

The transmission—and this should be stressed—increases in 00 passing from one agent to two and deteriorates in passing from one 20 agent to three for a given group of percipients.

c) Experiments with a Group of Agents

The preceding investigations on emission concerned the quantitate independent of the group of percipients.

It is, however, possible to disregard this number, and Hard Considers that the emissions can be effected by a "battery" of agent in a single block as well as collectively, where the effects, on the

To demonstrate these results, he invented the experimental bixed the communication apparatus, which we mentioned above.

The agents in an adjoining room limit themselves to hold mind the desire that the isolated subject interrupt the movement the pointer when it passes the color which he or they have chosen and that he does not interfere with at other times.

and that he does not interfere with at other times.

To, prevent the subject from falling into the habit of a detection of the dial is to be transposed at the pointer changes randomly after a few turns.

A single stimulus among the colors of the dial is to be transposed and the percipient must, so to speak, "catch in flight" the moment when the pointer comes into one of the colored sectors.

Another important point to bear in mind is that the percipient to the agents are free to choose a color, contrary to the statistical or the agents are free to choose a color, which is surrounded and investigations made in the United States, which is surrounded as multiple precautions so that the stimulus will be indicated by aleatory number tables.

[39]

chosen color a number of times above chance expectancy. tance, gave indications of the passing of the pointer before the In the course of thousands of trials, the subject, isolated at a disof the experiments made with card decks arranged before the trials. pare the results obtained in this classification of colors with the one mental suggestion, intervened, and it will be of great interest to com-In short, in the experiments of René Hardy conscious will, i.e.,

that: The results, according to the color chosen, established likewise

come up as negatives, with the exception of red which always comes see later. up thus indicating an explanation of the phenomenon as we shall comes up as a positive and, on the contrary, the colors not chosen -When a color has been chosen (for instance, green), it always

green, but it is never as clear as red -On the other hand, red always attracts its complementary color

it is chosen by priority. -It is the same for green, which attracts red, but only when

unless they were chosen, in which case they went up the scale. -On the other hand, yellow and violet were negative colors,

being able to dominate red. (Fig. 3.) which carries along its complementary color, green, without ever It is positive only when chosen, but it is always accompanied by red -Blue presents still less paranormal success than the other colors.

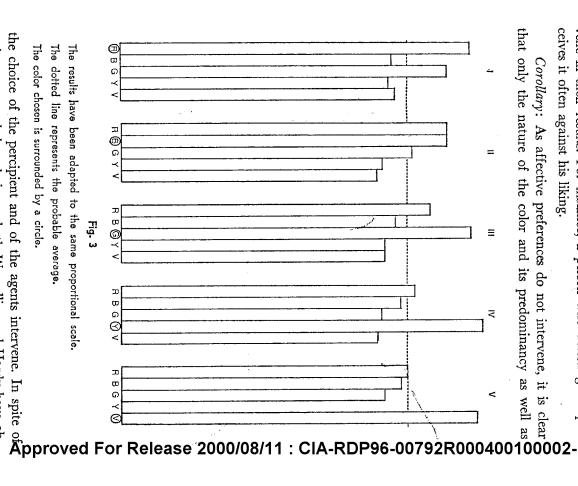
be summarized as follows: The observations made of all these biotelecommunications can

percipient. rhythms of this are objective for the agent and subjective for the Hardy, even establishes a psychic accord between the partners; the stacle to the transmission, stimulates it, or as pointed out by René 1) The motor element of the pointer, far from being an ob-

ening their biopsychic accord pointer can be communicated at a distance to the percipient, strength-The ocular movements which follow the displacement of

of affectivity. and puts their paranormal predominancy in evidence to the exclusion the release of the part of the will in relation to the colors best received 2) This method, based on the choice of the stimulus, permits

> vene in their results. For instance, a person who detests green perpercipients for one or the other color showed that they did not inter-The control of the part played by conscious preferences of the



trying to vary their techniques, both Warcollier and Hardy have obof course, an explanatory theory is still pending. tained the same results concerning the predominancy of the colors;

[40]

deprived of sight. scious, but on a general plane, so to speak. Their effects are revealed independently of the subjects of the experiment, unless they are portance of the structure of the stimulus, as well as of the uncon-All these statistically based experiments stress, therefore, the im-

of successes. agents participating in the experiment, can modify the total number ancy of the colors remains the same, the external conditioning of the emission, for example, the one that includes a definite number of These experiments also show that, when the order of predomin-

psi factor, they also indicate that it does not propagate at random In short, while all these experiments establish the existence of

Appearance of a Color by Clairvoyance

1) Color Clairvoyance

interference by third persons (the subject being alone in the presence of a stimulus to be detected) does not have to face problems as complicated as telepathy which is, of course, self-evident. It seems, at this point, that clairvoyance wherein there is no This is what actually happens in a first rescarch phase.

color clairvoyance. Let us consider now the experiments made by M. R. Pérot on

voyance experiments made by his wife over a period of ten years. Parapsychology, PSI), René Pérot relates all the quantitative clair-In his book, Parapsychologie Experimentale, PSI (Experimental His methodology is rigorous and the record sheets he made

permit an analysis of the different aspects of this paranormal per-

placed in the compartment referring to one or the other of the five thought were of the same color (Blind-Matching test. B.M.) The extified and tried to place them in front of the key cards which she and without anyone seeing them-she took the 25 cards to be idenon the table at which she sat. One by one, without looking at themeach representing one of the stimuli repeated 5 times in the deck perimenter noted on the test sheet the order number of the card (color occurrence: yellow, blue, white, red and green) which was His wife placed in front of her, horizontally, 5 target cards,

> was 1,500. The score obtained was 3,457 and, in prolonging the ex-On 7,500 trials made by Mme. Pérot, the chance expectancy

The results are remarkable. The "hits" were distributed as fol
1000 The results are remarkable. The "hits" were distributed as fol
1000 Invest Red 804; White 751; Yellow 674; Blue 655; Green 573.

1000 Here, again, red stands ahead, while white and yellow occupy the second and third positions. Green remains the last color to be the recognized.

1000 Red and blue kept the same place as in the preceding experi
1000 ments on telepathy, in spite of the fact that black or violet had the results were noted on test sheets developed by René-Pérot. The results were noted on test sheets develop

also the demonstration of two other elements of the "emergence of the faculty":

-First Element-

is what one could call simply an error in localization, named by... Placing a card on one of the targets nearest to the correct one

René Pérot, a "near hit." These errors in localization can also be statistically evaluated.

—Second Element—
On the other hand, it sometimes happens that the subject, having nade the movement of placing her card before a certain target changes her mind and finally puts this card in front of another target. This "abortive" movement is also noted, and the experimenter can evaluate how many times these tentative efforts have succeeded.

or not.

The study of this "pointing" is very interesting, because the shows, as emphasized by Pérot, that the subject has "felt" her errow which is, in the last analysis according to him, the awakening manip festation of the function of the psi faculty outside of the mechanica gesture directed by chance.

Recently, we ourselves were able, with the assistance of one of

our collaborators, to carry out some trials on clairvoyance with color cards similar to those used by Pérot, but placed in opaque black envelopes; our subject was the sensitive, Uri Geller, who is at

present being studied in the United States, mainly in respect to physical effects he can produce.

succeed in different tests; this suggests, according to Dr. Rhine, that of one and the same psi faculty. telepathy, clairvoyance, precognition and psychokinesis are variants Very gifted subjects, having developed other capacities, can

2) The Stepanek Effect

after the Czech subject who was studied by Dr. Milan Ryzl and later by Dr. J. Gaither Pratt. complicated, as we shall see in examining the Stepanek effect, named In a second phase of the same investigations, things became more

manifests, as far as the Stepanek case is concerned, under hypnosis. projects himself, with the reservation, however, that the phenomenon color or symbol of a card, but as if by a "psychic mark" which he from sight, but he seems to identify the cards not so much by the In this test, the subject perceives, as before, a stimulus hidden

Dr. Milan Ryzl used first, for clairvoyance tests, Zener cards placed The effect was detected during the following experiments:

in fully opaque envelopes.

-Then he submitted his subject to color tests, but Stepanek failed with monochromatic cards.

-Finally Dr. Ryzl used bicolor cards, i.e., cards with a different color on each of their faces.

There were 3,611 successes on 5,000 calls, distributed as follows:

White-Yellow: 792 Red-Blue: 538 White-Red: 751

White-Green: White-Black:

which placed last, was associated with red, not with white. Green and yellow were the colors best recognized, but blue,

able from the white face. face, arranged without the subject realizing it, until it was indiscern-This was accomplished by a progressively reduced blackness of the relations between the degree of blackness and the rate of success. The tests with white-black cards pointed to an absence of cor-

to repeat his successes as well as his errors. intervened, because it was verified that the subject had a tendency Everything happened as if another factor not perceived at first

<u>王</u>

determined card had been identified by a reference mark invisible same-exact or erroneous-responses for the same cards. On the other hand, it was impossible to evoke a simple factor of memorization. to the observers. It was established that Stepanek always repeated the Everything seemed actually as if the design or the colors of a

the United States to Czechoslovakia with the purpose of studying it with Dr. Ryzl.

ample, to identification marks, be it ever so slight, on the envelope. knowledge of certain points of reference on the cards, due for ex-

does not see? We shall investigate that further. jection of a psychic reference mark on objects which the subject

"the stronger form is," in his opinion this one of focusing, the other remaining one is the ESP of a color hidden from the view

to the observers. It was established that Stepanek always repeated the same—exact or erroneous—responses for the same cards. On the other hand, it was impossible to evoke a simple factor of memorization. After the discovery of this Stepanek effect, Dr. Pratt went from the United States to Czechoslovakia with the purpose of studying it with Dr. Ryzl.

It was verified that it was not a question of an extrasensory the was verified that it was not a question of an extrasensory. What kind of theory should be formed concerning this projection of a psychic reference mark on objects which the subject jection of a psychic reference mark on objects which the subject does not see? We shall investigate that further.

Whatever it may be, according to a recent article by Dr. Pratt, Whatever it may be, according to a recent article by Dr. Pratt, of the subject.

It seemed that the more the number of hidden color hits increased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing effect diminished until it could discreased, the more the focusing of a stimulus is, therefore, not only 800 may be preceding experiments on telepathy have shown, even if global, as preceding experiments on telepathy have shown, even if global, as preceding experiments on telepathy have shown, even if of the results of the results of the entire through the proper.

The analysis (which is still going on) of the results of the entire through the proper of the stimulus and its Relatively and clairvoyance and finally, act together as a pair, profit of the pro

and it is a real difficulty to try to divide their zones of action, as

evidenced by the expression GESP. Actually, with clairvoyance, certain subjects develop some sort

[45]

[46]

nize but their own mental reference mark as in the Stepanek effect. passes before them again. It is no longer the card proper they recog what it represents and to repeat the same response when the card of "psychic reference" enabling them to recognize a card outside of

ings also play their supplementary part by clairvoyance and modify seems to act in transmitting a color at a distance, but the surroundthe result. In telepathic experiments it is no longer the agent alone who

by René Warcollier for the purpose of demonstrating, in particular, the part played by environment in telepathic transmissions. Experiments, mostly of a qualitative nature, were carried out

of "hits" was obtained under conditions where the light was very ments in 1960, show, as a matter of fact, that the greatest number of telepathy with clairvoyance. Analyses made of telepathic experi-Thereby he was able to detect diverse levels in the intermingling

process 75% of the results were positive. ly at perforated images before a bright light. In applying this le coup de poing rétinien (the retinal punch). The agent looks quick-This was the fact when Warcollier used a process he called

such as black and white, and 33% with images painted in fluorescent from behind resulted in only 20% correct "hits." colors. On the other hand, images formed by lines and designs lit A 35% success was obtained with sharply contrasted images We may add that objects were received in a proportion of

obtained a percentage of reception of only 18%, i.e., near the level plane a thought without an image would rarely appear of "chance coincidences." It seems, therefore, that on the paranormal 33%, but sentences read by the agent without corresponding images It also became apparent that the percipients received more

modifications of a transmission than the stimulus itself carried

and blue colors in the form of triangles. "They streak," he wrote, of the percipients "saw" then, at a distance, "oriflammes" of yellow a blue background on all the angles of the objects in the room. One monochromatic lighting device which produced a yellow shadow on "the atmosphere like lightning in a black night." In 1960, for example, René Warcollier used in his office a

> formed about the modes of operation; here we have then an effected of surprise favoring the predominance of the conditioning.
>
> In short, all experiments which seem on the one hand, to belong mind that the subjects, with due precautions taken, were not inmingled, the latter prevails over the former. We have to keep in Thus, each time telepathy and clairvoyance become inter-

In short, all experiments which seem to telepathy and, on the other hand to clairvoyance, point clearly too an "indirect clairvoyance" involving both telepathy and clairvoyance and telepathic clairvoyance i.e., clairvoyance and "subjective" telecopathy, the stimulus being itself created by the subject (Stepaner effect).

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