

SCIENCE OF HUMAN
LIFE

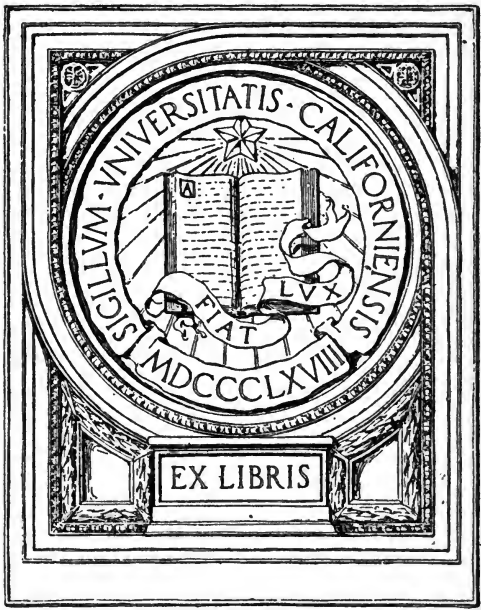
W. D. HALL

HERE can be no
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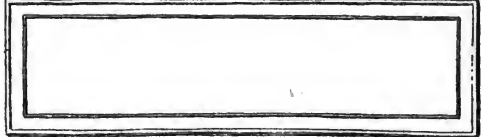
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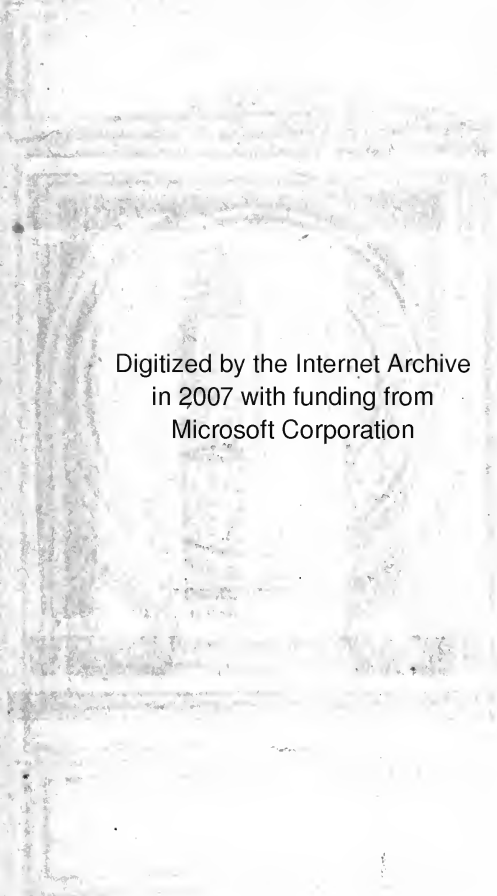
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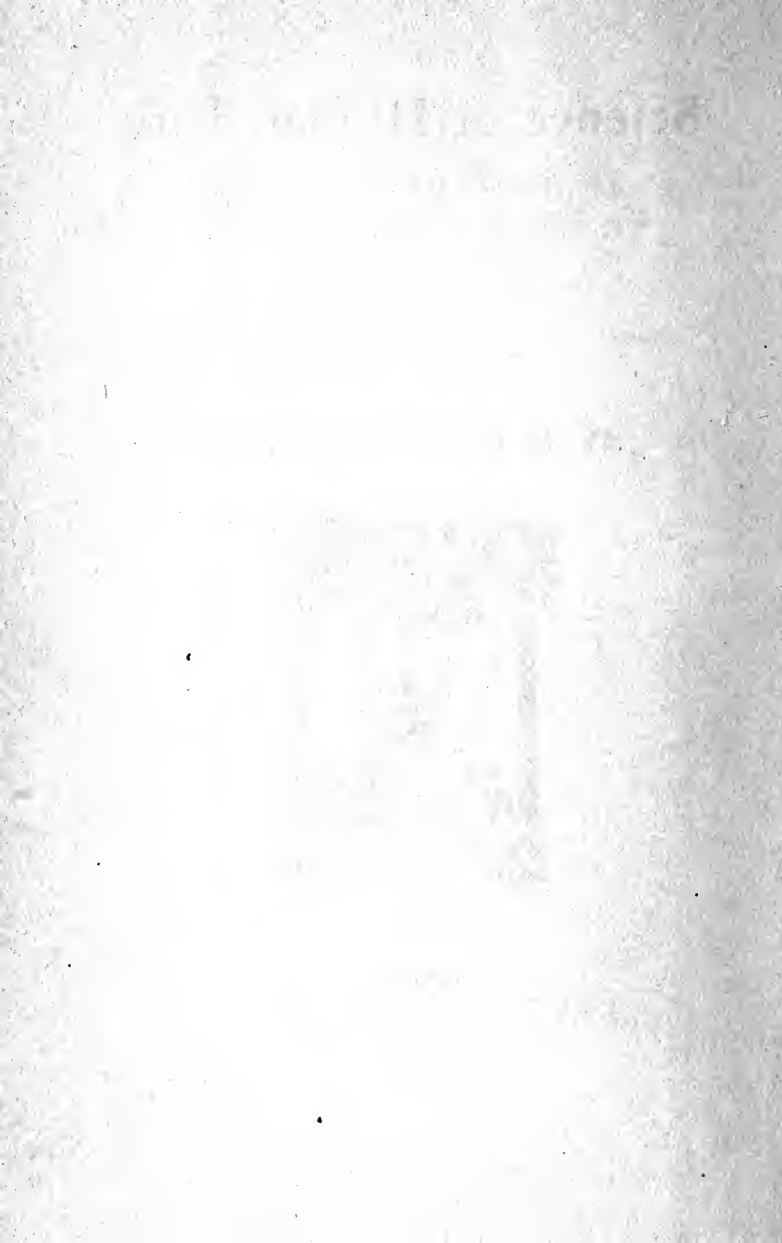


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Science of Human Life

*The World's Postponed Problem
The Operative Plan of Vital Force*

*Vital Power The Only Active Principle
Active Medical Principle a Delusion
Providing for a More Successful Management of Disease*

BY

W. R. DUNHAM, M. D.



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Science of Human Life

INTRODUCTION

WE are living in an age of fallacious ideas respecting the nature of things in the medical department of natural science, that are sooner or later to be recognized as of serious infliction to both intellectual pride and failure to provide for the taking of advantage of better possibilities for the management of disease and preservation of human life.

This alleged situation may be recognized in the fact that while vital energy is the only "active principle" and operative power that presents human life phenomena. That the nature and operative plan of the vital force agency; still remains a confessed unsolved problem and is relegated to future generations for its solution.

And in substitution of a recognized vital power being operative in the affairs of involuntary life functions; there has been ac-

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cepted an artificial imaginary medical power in the name of "active medical principle." That is given credit for *acting* and operating the machinery of the living human organism.

In fact, all medical literature is constructed in recognition of such imaginary power; and with that equal persistency that prevailed in the astronomic department, of early interpretation; in the alleging that the sun revolved around the earth.

The entire lay mind is committed to the acceptance of a medical power and we have become a nation of medicine takers. While as a scientific fact, material medicine is not useful as a vehicle of "active principle;" but as a means to occasion vital energy to act differently with the involuntary expression of life power.

Thus we are living in an age of fallacious expectancy respecting the benefit to be derived from material medicine as a contribution of power. And are seriously handicapped in the management of disease in the failure to comprehend the operative plan of the vital energies, from the relations of cause and effect. Which agency is the only

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“active principle” that can operate the machinery of life. Medical science is higher up in the events of the Universe than has yet been recognized. The science of astronomy was higher up, than was revealed in the interpretation by Claudius Ptolemy.

The existing situation as a problem in natural science is similar to the solar system problem before the advent of Copernicus. That is, human life science is being taught from a basis of artificial plan; making it impossible to comprehend the many disease problems together with their best management in aid of human life preservation.

At first suggestion, however, the unthinking mind—as with the experience of Galileo,—is liable to express much personal contempt for this suggested idea; that man,—that human authority; at this age of the world has failed to effect a correct interpretation of the nature of things. It being repugnant to the pride of intelligence at this late day, to be confronted with the suggestion that a correction of idea is imperative; in order to bring thoughts into harmony with Nature’s methods in a department of natural science.

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But this is a problem that is based on the authority of Nature's plan and operative laws of the function of vital force—the life power; thus requiring a resort to original research for verification in the reading of the book of Nature anew. That similar procedure which corrected the early erroneous idea of long acceptance, respecting the solar system problem.

During the last fifteen years I have made much effort to interest the cultivated intellect of the nation, with the importance and benefit to be derived from a knowledge of the nature and working plan of vital energy—that postponed problem. I have approached various branches of educational specialty that make claim of desire to promote scientific research, including several branches of our national government, but have been repeatedly turned down,—there being no provisions for this direction of investigation.

Some alleging that my views are not substantiated by facts and are in contradiction of the conclusions of scientific medicine. While it is the one special fact—that they are in contradiction,—that gives value to this kind of research. And the same kind of facts, how-

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ever, contribute to its support; as were found in the verification of the conclusions of Copernicus,—Nature's methods.

And some doubt has been expressed of the practical utility,—even were it possible, to comprehend the working plan of vital energy in its presenting of voluntary and involuntary life activities.

It appears that there are some subjects that require to be handled with gloves; but with the existing dangerous medical theories of persistent culture, it may require language that is unmistakable in its meaning to call the attention of the people to the calamitous educational situation.

This is a subject of more than common interest. It is an existing misfortune of great magnitude, and of national importance. And while in the custody of the medical profession as an education; the "common people" are largely the sufferers from neglect to provide the best possible means for their preservation.

In the preparing of this small volume, I have sought to present important ideas in as few words as possible, and in such language that the average reader may unmistakably grasp the situation. A distinguished writer

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says: "Culture, is to know the best that has been thought and said in the world that is of possible demonstration." And I trust no one will accuse me of introducing "remembered ideas and using them as original," in my representation of the educational situation.

The operative plan of vital energy provides a basis for the effecting of a correct solution of the nature of various forms of disease and many other human life problems. And for the first time in the history of the world, there is presented in this small volume, an interpretation of the operative plan of vital force as exercised in the functions of the living human organism; and that can be verified by examination.

It was my early intention to present this subject more in detail in a much larger volume,—suggesting the management of various forms of disease from the standpoint of the function of vital energy with the relations of cause and effect. But not being able to interest the cultured mind, I have resolved to be satisfied in the presenting of a synopsis of the situation, and await the result. And as a suggestion, I mention there should be provided text books for common school use, that may

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instruct the fundamental principles and foundation plan of human life science in common with knowledge of other branches of natural science. And thus start correctly in the management of those affairs that are concerned in this branch of erudition.

The health of the nation is paramount to all other acquisitions and it will be recognized sooner or later that it is the duty of the National Government to superintend the providing of proper guide books for each family in the interest of health preservation and management of minor forms of disease.

CHAPTER ONE

Foundation Plan

ALL problems in natural science are presented for our recognition in the function of that power be it gravitation, electricity or vital power; that is operative in the department that is being considered.

Thus in making research with the problem of human life science the study of anatomy and physiology is not the beginning; we must seek to comprehend the working plan of that agency—called vital force. The life power that constructs the anatomy and operates the human organism in the exercise of voluntary and involuntary life functions.

This is a subject that the cultured mind is reluctant to talk about, and for the reason that no education has been inculcated revealing to the comprehension the elementary situation. Ideas respecting the nature of vital force so nearly approximate a blank, that it is much like suggesting inquiry of the nature of the four corners of eternity.

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Yet the operative situation is as easy to comprehend as is arithmetic, when one is directed to make examination of the life labor that is being performed.

There is no literature in explanation of what constitutes the operative fundamental principles and operative plan of applied vital energy.

While distinguished authorities allege that this problem is so profound that its solution must await the coming of future generations.

Such conclusion is very far from being consistent as will be recognized when we examine the operative situation to be suggested which will enable the mind to think as Nature is doing.

The distinction between physical force and vital energy, is but arbitrary, consisting only in the difference of the function that is being performed. Each representing the function exercised by that agency; that is operative in the physical and living department of natural science.

Thus the nature of vital force—or vital energy; is no more or less than what is manifested in the life work that is being performed. Which may be revealed to our

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comprehension in the recognition of the special ultimate life functions that are being exercised. The nature of gravitation is revealed to our comprehension in a similar way,—in recognition of what it does with material. There are scientific facts that exist, both as material facts and in functional methods.

Vital energy is not manifested by the human organism as a one kind of power,—like gravitation; but as a composite agency. And the several divisions each perform their own kind of life work. Which in the aggregate constitutes the total of life power function, that constructs and operates the living organism.

It is not difficult to comprehend the nature of vital power—its operative method, when we examine the special and distinct kinds of life work; that are being performed by each of the *four* divisions to be described. Which recognition will give support to the interpretation, that vital force is expressed—or manifested as a composite agency.

And after we distinguish between the life acts of each division; it may then be recognized that those divisions execute life acts

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jointly. That is, they co-operate in the presenting of the more complex life functions.

This fact of co-operation will be found important—and imperative to recognize; in aid of the solution of the many disease and medical problems. Together with the most profound problems ever presented for consideration with the affairs of life, that are now awaiting solution.

In the making of research from this basis of suggested hypothesis, it will be necessary not only to describe the special kinds of life work that are being executed by each of the four divisions to be mentioned. But affix some especial name that may represent each life function; making it possible to communicate understandingly respecting the situation.

The premises here suggested for examination, constitute and include the operative fundamental principles of the science of human life. A situation not of human invention, but of possible verification from an examination of the operative methods of the Universe.

As erudition exists with us to-day, very

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much of the education respecting the phenomena that is presented by the vital powers; in the human life department of natural science; has come down to this age in the shape of erroneous ideas of the nature of things; as given interpretation by the misguided pedantry of the dark age of the world.

Which ideas have been perpetuated from generation to generation with a persistent refusal to review the situation. And are given the support of personal influence by the many distinguished authorities not prudent to contradict.

Respecting the situation of vital function, that distinguished authority, Henry Maudsley, M. D., F. R. C. P., says:

“It is easy to perceive how impossible it is in the present state of science to come to any positive conclusion in regard to the nature of vital force. This generation, and generations to come, will have passed to their everlasting rest before a discovery of the secret of vital activity is made.”

Prof. Rudolph Virchow, in his Huxley Lecture delivered in London, September, 1898, in referring to the higher organisms stated as follows:

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"If they possessed but one single power which set all their parts in action, it would be impossible to understand, how the special kind of activity which each one of these organisms exercises in its individual way comes about. There is here, in my opinion, only one solution possible. The life possessed by the higher organisms is not a single one."

Dr. Lionel S. Beale, M. B., F. R. C. P., Lond., F. R. S., in "London Lancet," May 24, 1896, states:

"I am particularly desirous of directing attention to the question of vitality just now, because during the past year there have been indications of a change of opinion, and the prospect of obtaining a patient hearing is better than it has been for thirty or forty years. Vitality is a distinct force, and every pathologic change is directly consequent upon vital action."

I quote the following, that was a quotation in an article entitled "Life and Chemistry," published in the April 28, 1905, number of "Science."

The writer states

"Bunge, discussing vitalism in physiologic processes, said, 'Many centuries may pass over the human race, many a thinker's brow be furrowed, and many a giant worker be worn out, ere even the first step be taken towards the solution of this problem.

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And yet it is conceivable that a sudden flash of light may illumine the darkness.' Science has no impossible boundaries. 'Science will continue to ask and to answer even bolder questions.'"

And I repeat—the key to the situation, exists in the fact that vital force, vital energy—the human life power; that constructs and operates the human organism is a composite power and not a "single one," as also suggested by Professor Virchow;—which would be impossible to understand. How a "one power" could exercise the different kinds of life acts.

And the several divisions of ultimate life powers—each execute a different kind of life labor; and those several divisions coöperate in the presenting of the more complex life functions. This situation, however, was not revealed as a "sudden flash of light"—but required many years of abstract thought to develop such recognition.

That special power of the Universe called—vital energy, which executes life functions; was manifested in different ages of the world on the plan of evolution. Different *kinds* of life powers being given to animal organisms from time to time as required by

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the different animal creations; from the lowest to the highest and last—the human organism.

It has ever been confessed that “medical science” has no recognized operative fundamental principles—like other departments of science—that can be demonstrated. That is, it has never been possible to understand the nature and operative plan of the power; that executes the acts that are required to be considered in human life problems of medicine and disease. While it is to be recognized that in all departments of natural science, it is the *operative law* of the power—that executes the phenomena; that reveals to the comprehension the apparent mysteries of the situation.

In the department of human life science there is but one kind of power, or “active principle” — provided, — the vital energy; that is operative in the presenting of human life phenomena.

There has been no examination of the original record, as presented in Nature’s method. No original research by modern man to discover the method. But few of us, however, acquire our scientific intelligence from a first

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reading of the book of Nature—we are educated. And ignorant early man has long been the instructor in this branch of science. He has furnished us with many of the present ideas.

With this problem of human life science as the situation now exists; there being no literature on the subject, there is no other alternative except to examine some hypothesis to be presented; or await the coming of future generations. The alleged situation, however, will become self evident,—like the multiplication table when examined. Revealing to each investigator equal authority in ability to comprehend the Divine method in the operative department of human life science.

There is no historic mention of an examination of the foundation plan of astronomic science, previous to the suggestion by Copernicus. The multitude for many centuries had accepted the interpretation of the more early man—without protest; that seemed to be verified in appearance. Reason had ever failed to make an attack on the situation of the problem.

The science of human life development, provides not only for an evolution of addi-

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tional powers from the low to higher animal organisms from time to time. But it is also apparent, that evolution provides additional *special* abilities, to some of the special divisions. Imperative to recognize in this twentieth century of scientific progression.

That distinguished scholar, John Fiske, has stated: "That in resort to abstract thought in the investigation of natural phenomena, with intent to explain the situation scientifically. The fragments of barbaric thinking are continually intruding unawares into the more modern scientific culture. A great amount of loose philosophy gets into our language.

Vital energy opens up a new chapter in methods and events of the Universe. The intellect is being enlarged; we are living in an age of ideas, undergoing a mighty revolution in human thought."

Scientific intelligence signifies and includes, a knowledge of Nature's method in the exercise of the power that is operative in the presenting of the phenomena in the several branches of natural science.

Therefore, it is evident that the early astronomer before the advent of Copernicus, was without scientific intelligence in aid of his

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calculations of coming events. And thus done his thought work from a basis of artificial plan.

And medical science is taught today, without comprehension of the operative plan of the vital energy. That confessed postponed problem, awaiting the coming of future generations for its solution. It then is evident that medical science as now taught; is also without scientific intelligence. That is, respecting the function of the life power energy, that executes every act and makes every move in the game of life. Being the only operative "active principle."

Consequently, the thought exercise, with relations of cause and effect; is based on an artificial plan as will later be demonstrated. The world is in need of a school of thought, that may cultivate and develop the reasoning and thinking abilities.

CHAPTER TWO

Four Divisions of Life Powers

INSTINCT—when correctly defined, represents the first kind of animal life power that was exercised on the earth. That kind, which constructs organisms—both low and high.

It is this division that constructs cells and builds animal organisms. The first organisms were so low down that they consisted of an aggregation of a few cells; which organisms never developed beyond that condition. It is as important to recognize the methods of science—as presented by the life powers; as it is to know the material facts of science.

In the early manifestation of animal life; there was no other kind of life power function exercised.

And with the human organisms—its entire make up is but a creation, from an aggregation of similar cells; of which organs are constructed that can exercise different kinds of life function.

The word—instinct, is defined in Dungli-

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son's Medical Dictionary as follows; which is approximately correct:

"The action of the living principle, whenever manifestly directing its operations to the health, preservation, or production of a living frame or any part of such frame. Instinct is natural. Reason is asquired."

Unfortunately, man has failed to recognize the importance in the game of life; of allowing but one word to represent but one kind of human life work. One kind of ultimate life expression.

Consequently, this word—instinct, is used not only to represent the constructive life power; but is used to represent other kinds of life function. That are legitimately represented by a different word.

This practice has obscured that clearness of vision so important for a recognition of the operative situation.

In illustration of the erroneous use of this word—there may be recognized, that the function of the mind called—intuition, is often and more frequent than otherwise—called instinct.

And innate intelligence is also called—in-

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stinct. While in the schools the function of instinct is illustrated, by reference to the act of the beaver in the building of a dam.

It is also a common practice to call that ability given to all animals to do things in aid of self preservation as being an exhibition of the function of instinct. While such ability is correctly represented in the words—innate intelligence, a born knowledge in aid of self preservation.

It is imperative, that when Nature has made distinctions in life functions; that man should be sufficiently generous to provide special names for their representation. Thus, unless we can recognize a practical distinction in operative life functions; it will be impossible to solve the problems of human life.

SENSATION, is the word that represents the second division to be considered. And is manifested by the entire organism.

Sensation is a life function manifested by certain nerves that relate the entire human organism to the contact world at insensible distances. This is a life function, but not a mind function.

This division does not express intelligence. It cannot think, while it may indirectly con-

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tribute to the acquirement of intelligence—in the fact. That the mind may recognize the kind of sensation that is being experienced. The mind may recognize the sensation of pain and cold.

Sensations are manifested of various kinds. Some of which may be represented by the name of heat, cold, hunger, nausea, pain, itching and innumerable other expressions. Taste and odors are sensations. This life function represents conditions that enable the mind to have knowledge of certain facts and situations of importance to recognize.

The function of sensation may experience both normal expressions as in health. Or it may experience irritable sensation in conditions of disease. The mind may recognize some sensations, but not all sensations.

Having used the words—"irritable sensation," it may be very instructive to turn to the dictionary and note the language that defines the word—"irritability." Which is but that situation, called irritable sensation:

"Irritability, a power, possessed by all living, organized bodies, of being acted upon by certain stimuli, and moving responsive to stimulation. It is the ultimate vital property."

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This definition represents an operative situation that is not clearly illustrated; and that will be important to examine later. Thus while not practically instructive to consider at this time. Yet a brief reference to this language is important when considering this function of sensation.

Irritability, is a no different kind of life function; distinct from sensation. It signifies irritable sensation—no more, no less.

This life function has mention of being—
“The ultimate vital property.”

The word—“The,” in this connection would seem to indicate, that there was but one kind of life function, entitled to be represented as an “ultimate vital property.”

As a matter of scientific fact, however, there are four kinds of special functions; each entitled to be represented as being an “ultimate vital property.”

That is, each of the four vital properties, execute a kind of life function the most remote of possible recognition. Those four words represent the *beginning* of special kinds of human life function.

Thus “irritability”—is but a pathologic manifestation, of the ultimate vital property

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of sensation.

The word sensation, is not only used to represent relations of the organism to the contact world in the experience of feeling—touch. But is erroneously used to represent the functions of the mind.

That is, incidents that occasion astonishment and amusement, are said to have caused a great sensation with a multitude of people. This custom by the public press and common usage is of daily mention. Thus concealing from recognition the scientific and true significance of such word; in the representing of a special function, and its relations with the many problems of life.

CONTRACTILITY, the third division of mention of ultimate life property. Is that life function exercised by the muscles, in an alternate contraction and relaxation of muscular fibre. Thus affording possibility for the execution of both voluntary and involuntary motion.

Thus function constitutes the animal strength property of life. And is susceptible of much cultivation and development. And is manifested in a remarkable degree in some of the small insect organisms and with

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the jumping field mouse and kangaroo.

The two mentioned divisions of life function—sensation and contractility, may be considered as twin endowments-given to animal organisms at the same time, as additional life powers.

That is, they are each dependent on the other for their expression; in evidence of an existing involuntary life function. Which will be mentioned later in the name of Co-operation.

Some of the low animal organisms have but three kinds of ultimate life powers. There was life on the earth for a long period, before there was any manifestation of mind.

SENSIBILITY, the fourth division of mention. The mind division of life property, is entitled to the distinction of being both a mind and a life function. A quality not given to any other division. The other divisions being life functions.

The word—sensibility in this connection, does not signify—ability to exercise good sense. But simply ability to exercise mind function.

This division, unlike that of sensation—

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that relates the entire organism to the contact world at insensible distances. Relates the individual to the entire universe—at all distances; and is manifested only by the brain.

In medical literature, however, the extremities and various parts of the body, are given credit for—the exercise of the function of sensibility. But medical literature does not teach the science of human life. It is imperative in the interest of a correct idea of the situation; that the reader now determine—whether or not; it is legitimate in the interests of science, to recognize that each kind of life work performed; is entitled to be represented by a special name with the description of the ultimate life function that is exercised. That is, do life function facts—contribute support for such distinction?

The words—instinct, sensation, contractility and sensibility; are not of new coinage and application to the affairs of human life. But those words have been used so interchangeably, as to conceal from recognition a clear idea of the operative situation that is legitimately represented by such names.

It has not been recognized in human life

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affairs; that each of the four words can represent but one kind of life work.

Neither of those named divisions can do the life work of any other division. Each is restricted to the performing of its own kind of life function. And each word in representation of such divisions is of equal practical significance; as are the words—digestion and circulation. They mean something, contributory to a comprehension of the operative plan and nature of vital force—the life power. The postponed problem.

Provided the fact is accepted—which may be verified by examination; that the four mentioned divisions of life powers each perform a life labor so distinct, as to be entitled to representation by a special name. It will constitute a recognition that vital energy as manifested by the human organism, must be accepted as being a composite power.

And it is this fact of possible verification, that provides the first key of practical application in aid of the solution of the nature of vital force. Constituting the operative fundamental principles of the science of human life.

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“The secret of vital activity—the nature of vital force,”—that postponed problem of mention by Dr. Henry Maudsley, is no different kind of fact; unlike the life work represented in the function of the four divisions of ultimate life powers. Together with what is done as a more complex life act; by the coöperation of the four divisions of active vital principles.

The nature of vital force—that postponed problem, which distinguished authorities have relegated to future generations for its solution. Is plainly revealed to the comprehension in the recognition of the special kind of life work, executed by each of the four mentioned divisions of ultimate “active vital principle” as here described. Together with the life work that is jointly executed by those several divisions in the name of—coöperation.

Those special kinds of ultimate life acts and their coöperation—in the aggregate, represent in total; the working plan of the life power energy, as manifested from the relations of course and effect.

Thus those unmistakable facts of life power function, that are not of possible supported contradiction in their significance; will per-

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suade to the recognition that vital energy—the human life power, as manifested by the living organism, must be accepted as a composite power. And when clearly understood in its operative method, contributes to the solution and comprehension of the many now confessed unsolved disease and medical problems in association with the affairs of human life.

In this thought research to discover the operative fundamental principles of human life science,—together with what is called medical science; we are required to recognize the fact, that the operative vital energy—the human life power; is the only “active principle”—that acts and produces “results” from the relations of material medicine and the causes of disease; that may easily be recognized in the joint life functions exercised with the relations of cause and effect, in the name of —Coöperation.

Thus the developed “results” from the relations of material medicine and the causes of disease; being all produced by the action of “active vital principles.” It then becomes imperative in aid of a most successful management of disease; that a comprehension be de-

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veloped—in recognition, of the working plan of the human life powers. Such agency being the only kind of power—the only kind of “active principle”—concerned and operative, in the affairs of human life; that can produce “results” from the relations of causation.

CHAPTER THREE

Coöperation

EACH division of special kind of ultimate life function, in addition to the performing of its own kind of life labor; will coöperate in joint action with other divisions and execute more complex life functions.

Which kind of incident is illustrated in the exercise of voluntary motion. The mind division, uses the contractile division. Each division taking part,—the mind directs, and the contractile executes—by the use of the muscles.

The coöperation of those distinct divisions of life function, enable us to solve many human life problems not otherwise approachable.

The exercise of involuntary motion—involuntary action, is also a joint act of coöperation; and is executed by the coöperation of the sensation division—with the contractile.

Thus voluntary motion is exercised in response to the mind; while involuntary motion

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or action—is exercised, in response to a previous sensation.

There is no other way provided in Nature for the development and exercise of involuntary life acts; and from all kinds of causes and relations—except by such coöperation. That is, some kind of sensation must first be made to exist—and in response to which, involuntary life acts are exercised.

All life acts are either voluntary or involuntary. And all involuntary acts are life acts, executed by the vital power. No other kind of power, or “active principle” can act and operate the machinery of human life.

And this mention of coöperative function by the several divisions of distinct kinds of ultimate life powers; constitutes the Divine method provided for the operating of the living human organism in its voluntary and automatic activities.

It is of special importance to clearly understand in the beginning; that with the human organism as a living machine. The application of the running power is operative on that plan; by the coöperation of distinct kinds of life power for the exercise of voluntary and involuntary action. And unless we recognize

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the practical distinction and application of the function of the several divisions, and their coöperation; it will not be possible to solve and comprehend the problems of life.

Involuntary life acts and automatic life action; are one and the same kind of incident. And are executed by the function of the coöperate life powers of—sensation and contractility.

There has been no interpretation of the nature of things during the last ten centuries; that will compare in scientific value and importance with this one practical fact of science. That all involuntary action manifested by the living human organism; is made to exist from the coöperative function of—sensation and contractility.

No other kind of “active principle” takes part in the presenting of involuntary acts; notwithstanding that it has long been taught and accepted that “active medical principles”—or medical powers, are responsible for many involuntary actions.

All sensation is made to exist from some kind of contact relation. Sensation being that life principle, that relates the organism to the contact world.

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This interpretation of the nature of things, —of possible and easy demonstration. Suggests a revolution of thought of practical utility. Like the change in the mind; of the central orb of the solar system. It is in recognition that the “wheels of life” turn in a different direction from what has long been taught and accepted.

It has ever been taught that the cause of disease was active. That an “active cause of disease”—*acted*; and thus presented the disturbance called disease. And that an “active medical principle” was in association with material medicine—that *acted, and produced* the results from medicinal relations.

But in accordance with the operative principles of life science, which is the supreme authority. The cause of disease is passive. And material medicine is passive,—neither have “active principles.” Their contact—causes some kind of irritable sensation; and in response to which, some kind of involuntary life action is exercised as a result of their contact relation.

Education and conclusion to the contrary; is no match with the nature of things. As before mentioned, there is only one way pro-

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vided for the development of involuntary action with the living human organism. And that is, in response to a previous sensation; and in this instance, caused by the contact,— of the cause of disease and material medicine.

It is this interpretation of the operative situation; that furnishes another key to the complex lock, making it possible to reveal to the comprehension the many confessed mysteries of human life problems.

I will illustrate how the cause of disease —produces disease. And the modus operandi of material medicine; that will be considered more complete in a future chapter.

Here is an alleged situation for the wisdom of this generation to consider—in the inquiry: How does the cause of disease, produce disease? Does the cause of disease act—or is it passive? Or by its contact cause irritable sensation,—in response to which, the involuntary life power does the acting; presenting that pathologic disturbance called active disease?

Unless the medical profession can support a contradiction of the alleged working plan of vital force, the teaching of medical science

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must experience a revolution; like that effected in the astronomic department, after the discovery that the sun was the central orb.

The automatic action of the heart is maintained by the coöperation of the sensation—with the contractile division of life power. The involuntary heart action—being exercised, in response to a previous sensation. Thus a repeated alternation of the sensation, and the contraction of muscles.

The exercise of the function of respiration may be voluntary and involuntary. The sensation division coöperates with the contractile—in the exercise of the automatic. While the mind division coöperates with the contractile—in the exercise of voluntary respiration. The *same* muscles being used. Please observe the distinction.

The foundation plan of the science of human life as mentioned in the exercise of the four divisions of distinct kinds of function; together with their coöperation. Provides for the solution of many disease problems, their explanation, comprehension and demonstration. And those four divisions may exercise both, physiologic and patho-

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logic action.

The coöperative feature of the situation, is recognizable in a large proportion of life problems. The mind may acquire intelligence directly. And also may acquire intelligence indirectly; in coöperation with the sensation. The fingers of the blind enable them to read and acquire intelligence respecting forms. Distinct kinds of powers—and their coöperation, must ever be recognized in the presenting of life incidents.

The function of sensation may experience normal expression, in the conditions of health. And experience irritable sensation in association with disease.

The sensation division—irritable sensation, may coöperate with instinct; in the construction of malignant growth—cancer. Such coöperation being a pathologic vital act by each division.

It is unmistakeable that malignant growth often succeeds to some kind of mechanical injury, perhaps a blow which produces a previous irritable sensation. A prolonged irritation of some tissues, is often attended with subsequent malignant growth. It is the coöperation of irritable sensation, with the

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constructive power—instinct. That is responsible for the anatomical product called—cancer. The causes of disease—have no other relation, than to cause irritable sensations. And the involuntary life power develops the “result.”

But why it is that irritable sensation—produced by the same means with one person, and not be succeeded by malignant tissue; while with some other person—such result will develop; will constitute a problem that will long remain unsolved. The causes of organic disease—do not act, but cause irritable sensation and thus pervert the normal function of organization.

There is no specific—no one kind of cause for malignant growth; but various causes may produce that quality of irritable sensation—irritability; that interferes with the constructive cell function of instinct. Thus it may be accepted that irritation—is the immediate cause of malignant growth.

The disease called tuberculosis is of near kin to cancer. The tubercle is a perverted organization of cell structure, forming a growth of nodulated tissue distributed over more or less territory. That may break

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down and be removed more or less by expectoration. The perverted cell structure is the immediate result of irritation, that may be produced by various causes. But all chronic fatal lung disease is not tuberculosis.

When perverted cell structure is developed in different parts of the body, it is now called tuberculosis; but was formerly called infiltrated cancer.

Again referring to the working plan of the vital energies and their coöperative function. It seems a strange fact perpetuated to this twentieth century; that persistent research has ever failed to recognize that vital power is the only "active principle" that can operate the machinery of human life.

Thus even while using the words instinct, sensation and sensibility as life functions; the mind has failed to attach any special significance in their application to the affairs of life. Has failed to develop a comprehension of the foundation plan of human life science.

In illustration, what progress could be made in the study of physiology, provided the words secretion, excretion, circulation and respiration, were applied with similar in-

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terchange in their application to the functions of life?

What success could be achieved in the solution of mathematical problems, provided no distinction was recognized in the application and practical significance of the words subtraction, multiplication and division?

There are two singular facts in association with the teaching of human life problems. Intelligent man has ever failed to recognize and give credit to the function of an involuntary life power; as being concerned in the presenting of phenomena in disease situations, and with medical relations.

And he has given credit and acceptance, to an existing power in association with material medicine; represented as an "active medical principle." That may be introduced from without and temporarily take part in the operating of the living human organism.

In other words, it is recognized and taught, that two kinds of power are provided by Divine wisdom; for the operating of the machinery of the human organism. Active vital principle, and "active medical principles."

This idea was born of ancient man in the

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dark ages long ago; and has been perpetuated to our generation without protest. Thus age—together with the personal influence of authorities; has made “active medical principle,” an alleged, established principle of science. While as a matter of fact, the incident is quite similar to the “established fact,” for twelve centuries; that the sun revolved around the earth. A human invention to bridge over a chasm, of the unrevealed nature of things.

With the many branches of education in this age of reputed intelligence, none are so deficient of practical utility; as that education which should provide for the preservation of human life.

Medical science education of today, is in the same situation as the early astronomic—before the advent of Copernicus. Having a multitude of optical scientific facts; but without knowledge of the scientific method of the operative power that produces the facts.

Vital energy is the only operative power in the animal kingdom. And there is not a school in the world that teaches the operative plan of this significant power of the Universe; the power that constructs and operates animal

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organism in their exercise of voluntary and involuntary activities.

The research today, is to discover imaginary medical powers, "active medical principles," that will do the correct thing on which the practitioner can depend. The public and private press is diligently and perseveringly, cultivating the idea of expectant utility of some newly discovered medical power.

Thus in place of an education that will protect against designing imposition,—the people are in daily expectation of an announcement of a wonderful medical discovery. Thus preparing them to become the easy dupes of the most unscrupulous beings on the face of the earth. Who have discovered an alleged remedy for the cure of an incurable disease—by any other means, except in their remedy; until the last dollar is gone and charity comes to the relief of the victim.

No intellect could support a contradiction of the interpretations by Copernicus and Kepler; because their idea of the situation was of possible demonstration. And no intellect can support a contradiction of the here mentioned interpretation of the working plan of vital energy—for the same reason. That the alleged

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situation is of possible and easy demonstration.

The present erroneous teaching of the operative relations of—cause and effect; is responsible for the untimely death of many thousands of the human race annually. I make this statement in the interests of a suffering people who are helpless victims of an erroneous education. The future welfare of our nation is dependent on a more profound exercise of thought and reason. The world of intellect is urgently making demands on the comprehension, for a better understanding of the nature of things.

The life power—the vital energy is a reality. And is exercised in accordance with a provided law of method that is equally as fixed and positive as the laws of the force of gravitation.

And the question may be asked whether a knowledge of the working plan of the life power will be contributory to a more successful management of disease. Or merely a revelation in support of intellectual pride?

But the practical fact is before us to consider, that *vital energy* is the only operative power; that presents “results” from the re-

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lations of cause and effect. Thus with this kind of knowledge, the physician may regulate and supply—that special environment; enabling this power to have better opportunity to restore normal function in recovery from disease.

Man cannot supply “active principle”—or power, but is restricted in all power features of the existing situation; to the indirect guiding of the involuntary life power.

The foregoing revelations of the operative plan of vital energy—of easy recognition, will enable the reader to recognize the authority and source of support; that contributes to the solution of the problems of mention in the succeeding chapters.

CHAPTER FOUR

Disease

A KNOWLEDGE of the law of gravitation revealed the location of the planet Neptune. And the law of vital energy defines the operative situation of the disturbance called disease. There being but one kind of "active principle" that operates the machinery of life; it then becomes self evident that while physiologic vital action presents the condition of health; that pathologic vital action must also execute the disturbance called disease.

That is, pathologic vital action—and active disease, are one and the same kind of incident.

Disease is not a something done by the cause. Disease is not an incident to be represented; as the cause of disease making an attack on the human organism.

The cause of disease—is passive, like a boulder on a railroad track, which constitutes a cause of railroad disease. The derailing of the cars constitutes the active disease—the pathologic power action.

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Active disease is involuntary pathologic vital action; thus exercised from relations of a cause. The cause—like the boulder on the track, interferes with the harmonious action of the vital power that is operating the machine of life.

Thus in accordance with the law of cause and effect, with the function of vital power. The cause of disease by its presence,—causes irritable sensation; in response to which pathologic vital action is exercised, which in itself constitutes the active disease.

It is instructive to ever keep in mind that only one way is provided in Nature, for the development of involuntary life action. And that being in response to a previous existing sensation.

Thus the law of the relation of a cause,—that occasions results; makes it plain that the cause of disease is passive. Being certain material in the wrong place—like the boulder; thus obstructing the normal function of the life power.

It has long been accepted that some mysterious “active principle” was in association with the cause, that—acted. While as a scientific fact, the relation of the cause of dis-

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ease—is a relation; that causes irritable sensation. Nothing different.

All active principles—are vital energies. And a new form of disease—signifies, that new causes have been introduced within the human organism.

With the problem of disease—that compound life function, represented in the name of coöperation—is recognized in the fact; that the cause first relates to the sensation, and is attended with a subsequent involuntary vital action; which is the active disease.

First ideas with scientific problems should be correct ideas. And it is important that the idea long entertained, that the cause of disease does something—should be eliminated.

It is sometimes found as difficult to escape from an erroneous idea, that has long been given support by distinguished authorities; as it would be to eliminate superstition with the ignorant.

The great and overwhelming idea that has long turned the educational world upside down—even for centuries—exists in the acceptance that a *cause* of vital disturbance, has an associate *power*; that acts and produces the disturbance. In other words, that two kinds

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of "active principle" operate the living organism.

With active disease, there is a disturbance that may be recognized by the observation of a second person; while there may be a morbid condition of the sensation, with an experience of much misery by the one afflicted; of which a second person can have no knowledge, but is required to accept the testimony of the one having the experience.

Each of the four divisions of ultimate vital function, may take the leading part in pathologic disturbance.

The sensibility may become insane. The sensation, may experience extreme and dangerous irritability and pain. The contractility, may exercise convulsive action until exhaustion and death. The instinct, may construct malignant tissue. The law of the relation of things will throw some special light on the treatment of tuberculosis and insanity, that does not yet appear to be recognized.

With some forms of disease the leading indication consists in taking care of the causes, their destruction or elimination. While with other forms, it becomes necessary to control—diminish, or change the

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pathologic vital action. And with the nervous form, to restore normal sensation.

A distinguished physician makes the statement: "That the cause of disease may be removed; yet the disease continues."

Such incident has support in the fact that the primary cause of disease, is not alone responsible for the continuance of disease. That is, secondary causes come into the situation; that are responsible for both the continuance and severity of pathologic disturbance.

In this direction of research we have before us a Divine living machine, having a life power ability to construct itself. And that may exercise both voluntary and involuntary action; together with an intellectual attachment that can survey, and comprehend the working plan of those powers which execute the highest and most complicated function among the creations of the Universe.

CHAPTER FIVE

Causes of Disease

DISEASE and the causes are so related that it is difficult to separate the subjects; thus some repetition of the previous chapter may appear in the mention of causes.

Whatever may cause irritable sensation, and of such degree as to be succeeded by pathologic involuntary vital action, is in itself a cause of disease. That is, all causes of disease are passive—they do not act; and have no other relation than to cause irritable sensation from their contact. Nothing more—nothing different.

That is, the pathologic involuntary vital action that succeeds to the previous irritable sensation; constitutes the active disease.

Food material in too large quantity, or of inferior quality; may be a cause of disease. And water that is too hot, or too cold; may be a primary cause of disease. And also a cause may exist in the products of chemical change—with undigested food.

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The various kinds, qualities, and quantities of material, that will cause irritable sensation are innumerable; and of no practical advantage to mention. While it is very important, to have a correct idea respecting how the cause of disease—relates to the production of disease.

Which situation may be briefly expressed in the language; that the cause,—causes irritable sensation. In response to which, pathologic involuntary vital action is exercised—which constitutes active disease.

The foregoing statement of the situation is of greatest importance to examine. Which is in substitution of the prevalent idea; that has long been accepted. That disease was a condition produced by the action of the cause. That the cause made an attack on the human organism.

Whatever may be the primary cause of disease,—secondary causes sooner or later will develop within. Existing as pathologic morbid products, chemical changes with such products that may constitute blood poison. In the management of disease there are two fundamental facts to be recognized;—the prevention of the causes, and the guiding of

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the involuntary life powers.

Physiologic vital action—all things balanced; contributes to the maintaining of a normal temperature of the blood. While pathologic vital action may develop a temperature constituting a secondary cause; that is of dangerous relations.

And notwithstanding, that such temperature is the result of a disease process, at the same time such increased temperature constitutes a secondary cause of disease; that directly proves fatal to many thousands of human lives annually.

A blood temperature of 105 is far more dangerous than four million microbes in immediate association. This statement is supported by the law of microbe relations with cause and effect when the microbes are developed within the organism.

The vital energies perform normal function, only within certain limits of blood temperature. A temperature either too hot or too cold, will soon constitute an environment of serious relations.

It is often,—very often, the secondary causes that are responsible for the continuance and severity of disease; and also that

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destroy life. While the secondary cause—existing in an increased temperature of the blood, is largely ignored in the management of disease.

The language often used, "That a new disease has been brought to our shores," fails to convey a clear idea of the situation. It is the causes of disease that are migratory.

I trust the reader will excuse my neglect of mention of the alleged microbe cause, among the many causes of disease. It will require an entire chapter to do justice to the microbe, which is a revelation in itself.

The people are awakening to the recognition that all possible means for a more successful management of disease, has not been revealed to the comprehension. Thus when the operative situation is correctly understood, the physician and others may often take advantage of fleeting opportunities, that will not again be presented for the preservation of human life.

Our national government has recognized the wisdom of enacting a pure food law. While a sanitary law that can be enforced providing for the employment of officers in every town and city, to inspect—without com-

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plaint; residences and surroundings and give instructions how to protect and escape from the filth cause of disease; will sooner or later be recognized as being of great value.

When the people awaken to the importance of such provisions, Congress will be requested to provide relief. It is the duty of our national government in the interests of all people to provide for the health of the nation.

A free country don't mean the right for one to allow filth to jeopardize their own lives, and also their neighbors. Boards of Health, should be aggressive, rather than wait for complaint as is now provided.

Again referring to the cause of cancer. Thus when considering all disease problems from the basis of action by the composite coöperative life powers, with both functional and organic disease. We must not ignore the fact the causes of disease have *no* other relation, than the producing of irritable sensation. All causes are passive—they do not act, while the involuntary life power presents the sequences.

Thus the practical distinction between the function of synthetic organization of normal, and pathologic cell structure; is found

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in an associate environment of irritable sensation. An existing condition, that may be produced by a variety of remote causes.

This interpretation of the cancer problem may be worthy of examination by the Regents of the Columbian University of New York, who are requested and further persuaded—by a gift of one million dollars, to make research for the acquiring of a better knowledge of the nature and cause of cancer.

The first problem to solve, however, is the operative plan of the fundamental principles of the science of human life—the life power function; that provides such possibility of construction of pathologic tissue.

CHAPTER SIX

Contagious Disease

THIS form of disease being developed from the relations of a specific virus cause requires that it be considered in a separate chapter.

And with this form of disease the alleged microbe relation may be found quite different from what has been represented. There may be some error discovered.

Some forms of contagious disease are non-recurrent, while others may be repeated. And there must be—a reason, for such distinctions. And such fact of distinction may be found in association with the production of the special virus cause.

When being confronted with any problem in natural science the modern view of the situation suggests. What hypothesis can be constructed that will admit of an explanation,—that can be verified with unmistakable facts?

Thus it may be instructive to assume and then examine the circumstantial evidence and

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facts; that may contribute support to the following hypothesis of the situation. Thus I will allege that with all forms of contagious disease the special virus of contagion is produced as a result of pathologic vital action. And also the reason why some forms of contagious disease are non-recurrent; is simply because the human organism can seldom produce such virus but once in a life time.

Therefore, it will be of no scientific value to connect the microbe with the situation, until we get further advanced along the pathway of inquiry. While it may appear later, that the microbe has been charged with a greater misdemeanor than can be proved.

Such forms of disease are called contagious, because it may be demonstrated that the special virus of one human organism; will cause similar disease to develop in a second organism. As may be illustrated with the disease small pox.

And in the alleged fact that with small pox; that such virus can be produced but once in a life time; will constitute the reason why such form of disease is non-recurrent.

Reason is now and then of value, even when considering science problems. Yet, there are

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practical facts to be considered. And I will inquire, which is the most probable. That the simple cell organism of the microbe can produce independent of itself—a virus. Or, that the human organism a more complex organism, can produce such virus?

And while such comparison is but an exhibition of a feature of rational philosophy; there may be practical facts discovered, that will give support to such philosophy.

That such virus cause of contagious disease is made to exist in some way,—no one will care to contradict. But how is it produced? Which is the more rational inference—were we to depend on inference?

The consensus of opinion by distinguished authorities gives credit to the microbe. While the facts and associations to be later mentioned in this problem; appear to be overwhelmingly in contradiction of such conclusion.

But in the fact, that the general public and a very large majority of accepted distinguished authorities in the field of medical science, are committed to the acceptance that the microbe is the producer of such virus cause of disease; makes it imperative that progress in contradiction be made slow. With the wheels

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securely blocked in each onward movement in the attempt to show, that the microbe is but the carrier of the cause,—and not the producer. With non-recurrent contagious disease,—is it not difficult—extremely difficult; to understand why it is, that the same *kind* of special microbe alleged to have produced such virus cause last year; cannot produce a similar cause for the same disease; with the same individual—next year?

Thus with non-recurrent contagious disease can the explanation of such fact, be found to exist; simply because that kind of microbe—not the same microbe—cannot produce such virus when residing in a human organism that has once experienced such disease? Is it not more in harmony with rational reason; that some other explanation may better fit the facts of the situation?

Is not the other alternative the true situation. That the human organism cannot produce such pathologic product but once in a life time?

Now provided we infer—and perhaps correctly; that the human organism produces the special virus cause of contagious disease. And that the micro-organism is constructed from

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such virus; and thus the microbe becomes only a carrier of such virus; when transferred to a second human organism.

Then the entire situation would be more in harmony with a reasonable solution of the problem. And M. Pasteur, said: "That the virulency of the microbe is dependent on the quality of the material from which it was constructed."

It is reasonable to infer, that much caution would prevail in the forming of a conclusion. He made numerous experiments and for a long time; and thus must have found practical facts for the support of such conclusion.

And such conclusion is also further verified by those who of more recent date have made experiment with the culture of special microbes. And who make report that such microbe when being provided with a different food material will soon cease to be pathogenic,—no longer a cause of such special form of disease, from which the microbe was removed. Such facts mean something.

And is it not more consistent—and more easily understood, and also in harmony with the statement of M. Pasteur; that it is the material of which the microbe is constructed,

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that constitutes the virus. Rather than to infer that the microbe may "create" a material independent of itself. That may be called a secretion or excretion that constitutes the virus?

It may be instructive also to consider—the order of events, that are later presented respecting which means of supply of virus, is best supported with facts. Thus when small pox virus microbes are transplanted to a second human organism, to an organism that has never experienced such disease. This second organism will be afflicted with similar disease.

Then what next? This second organism sooner or later can no longer convey the cause of such disease to a third person. What is the reason?

The early existing microbes of this special kind—have not perished. They are plentiful in this organism just recovering from disease. Have they lost their ability to longer produce such virus?

Or is it true, that no virus food material is longer being produced by the pathologic vital action of the human organism; that makes it possible for such microbe to be constructed form a virus material?

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If not so, why cannot the disease cause of small pox be communicated, from number two individual to the third person?

Can such mystery and situation be made to exist from microbe responsibility. Or is it dependent on some peculiarity of the human organism?

Is it not true, that the human organism has got to its limit, in the production of such virus with this form of non-recurrent contagious disease?

I claim that it is true, that the human organism by some kind of pathologic vital action, constructs the virus of contagious disease. And the reason why some forms of contagious disease are non-recurrent; is because such virus cannot be constructed but once in a life time.

That is, such pathologic vital process has got to its limit in the production of such virus with the organism number two; and can no longer communicate the cause of small pox to another individual,—microbe or no microbe.

Can the well known fact, that a person having small pox; and after a certain period of time, can no longer convey the cause of

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such disease to a second individual,—be explained differently? Who will answer?

The germ theory of disease is plunged into greater inconsistency in the alleged situation, that a microbe of slightly different form—or that cluster differently, as revealed by the microscope; has ability to create a different kind of virus, having a different power. That constitutes an operative cause; for a different kind of contagious disease.

This perverted idea of the nature of the situation,—has its apparent support in the one fact; that microbes when removed from the several forms of contagious disease, and transferred to an organism that has never experienced such disturbance. The second organism will be afflicted with similar disease; and the microscope revealing a different form of the special microbe, with different forms of disease, has persuaded to this acceptance. That a microbe of different shape—construct a virus of distinct quality; that acts and produces a different kind of contagious disease.

In other words, that the kind of contagious disease—is dependent on the shape of the microbe.

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In mythology, it is represented that "Atlas" supports the globe on his shoulders. While modern discovery makes the claim that different forms of disease, are dependent on the shape of a microbe. And on whose shoulders all the responsibility is placed.

That is, each kind of microbe, it is alleged; secretes a different virus—having a different kind of power; that acts and presents distinct kinds of disease.

Of recent date, I have read reports of disease situations where the physician is puzzled in not knowing what to do next; "from inability to recognize with what kind of microbe he is required to contend."

In palliation of this alleged situation it should be recognized that medical science reason, is not governed by the same rules as with other departments of natural science. But is simply a condition—existing as a conclusion; having the support of distinguished authorities, not prudent for any other department of erudition to contradict. Medical science education does not make a specialty of persuasion for the cultivation of thought and reason; in the training of an

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idea to its source for a support. But more largely in the recognition of what the "authorities" may accept as a conclusion.

It was during the sixth century that historic mention is made of the first application of philosophic reason to medical and disease problems. And such factor of research in aid of scientific intelligence, has not seemed to keep pace along the path of time as a peer with conclusion.

One disease problem correctly understood, is as instructive as a score of problems of a similar kind.

The special contagious disease microbe, is of no harm to that human organism in which it is constructed. When the special virus is no longer produced, such microbe is no longer pathogenetic. But such micro-organism bottles up the special virus; thus giving it a prolonged existence and protection against decomposition and chemical change.

And the stability of such special virus is certainly prolonged, by the life power of a micro-organism. Thus affording possibility of its longer existence; and thus greater possibility of its being conveyed to other human organisms, where it might be considered as an

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invading foe; were it a foe, rather than a cause of vital disturbance by the second organism.

In the second human organism, such microbe is not the immediate parent of millions. But simply a cause, for the development of pathologic vital action; that produces a virus food material for the construction of millions. And also furnishing a virus food for the previous existing harmless microbe, that has long paraded the citadel of human life without protest.

That is, the harmless microbe may become virulent, because constructed from virus material.

The foregoing interpretation, is in harmony with the statement made by M. Pasteur, as previously mentioned; as well as the statements made by the many who have made experiment with microbe culture.

Great confusion and some injustice has been made to prevail, from the results of microscopic examination of microbes. In the fact, that the microscope cannot distinguish between the kind of food material from which the special microbe is constructed.

The microscope while being an instrument

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of precision respecting form, is not able to make distinction in quality.

Prof. John Tyndall, a scientist of international fame, in pronouncing an eulogy on the achievements of M. Pasteur, made mention that his discoveries afforded possibility of explanation; why some forms of contagious disease were non-recurrent. That problem, that is not explained in medical literature.

He stated that the special microbe was unable to make a second attack upon the human organism because there was no food material remaining after the first attack; for the support of the microbe while making a second assault on the citadel of human life.

The practical idea represented in the alleged situation; being like an invading army contemplating a second attack upon the defences of a nation. And found themselves short of food for their support. Thus no further demonstration could be made. Further stating that such special disease microbe was dependent on a certain quality of food for its existence. I will say—virus existence. And there being none available, furnished explanation why such form of contagious disease could not be repeated.

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It is not my purpose to offer much advice respecting the management of disease. While it is evident that with contagious disease, that great practical advantage will be derived in the maintaining of an approximate balance between the supply, and the elimination of the virus.

And in seeking to control such balance, that may be effected to a limited extent. It is to be recognized that the nearer the temperature is maintained to the normal, the less rapid the supply. And the greater is the possibility of elimination from a reduced congestion of the capillaries of the skin. Thus giving more freedom for the escape of virus through the pores.

With contagious, as with all forms of disease, the nearer the temperature is maintained to normal, the less severe will be the pathologic disturbance.

It is the taking advantage of such practical facts that often insures the preservation of human life. The increased temperature is in itself, a secondary cause of great complication and danger. And is often the immediate cause of death in those instances of early fatality.

Not only should the temperature complica-

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tion be recognized with all forms of contagious disease; but most emphatically recognized as the great danger signal with pneumõnia.

I make the foregoing statement not only as having the support of the highest authority—the operative law, with the relations of cause and effect. But also in having the practical support of several who have had an experience of many years in the management of such disease.

The operative laws with the relations of cause and effect, constitute the highest authority for the managing of disease. And it is a lamentable fact that many valuable human lives are terminated annually; because such operative laws have escaped recognition.

The nearer the temperature is maintained to normal, the less severe is the pneumonia.

In fact, in place of taking advantage of reducing the high temperature with such disease, additional heat—particularly with pneumonia,—is often supplied in some kind of hot poultice application.

If the patient lives, it is not due to such application. But an exemplification of recovery, even when additional complications are made to prevail. With mild forms of pneumonia,

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the patient may endure such treatment, while with the more severe; such application is of extreme dangerous relation.

It is the *early* preventive treatment that best insures the life of the individual. The reducing of the temperature cause of complication, with more or less abrogation of irritable sensation with anodynes; will contribute to the converting of a would-be severe pneumonia into a mild form.

No matter what kind of disease is later to be distinguished, the persistent reduction of the blood temperature is of first great importance,—to thus abort the severity of later disturbance. It is of frequent mention that after the kind of disease is determined; the physician can act understandingly. The early persistent reduction of the temperature is the best understanding; to meet the best interest of the patient.

I make the foregoing statement by authority of the operative law with the relations of cause and effect. And while it is legitimate to give personal advice to students, it may not always be prudent to suggest innovation in treatment of disease; to those who have acquired fixed opinions.

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The operative fundamental principles of human life science mean something. And provide the best possible means that may become applicable for human life preservation.

There is often much consolation provided in the statement that all has been done that medical science has made possible. This language should be modified—and let it be said; that all has been done that medical science education has provided.

There is no department of operative nature-distinct in itself; that is entitled to be represented in the name of medical science. While a scientific practice of medicine is provided for; but is dependent wholly on the operate laws of the vital energy as exercised in the science of human life, with the relations of cause and effect. That may be revealed in that postponed problem of the operative nature of vital force; relegated to future generations for its solution.

It is of paramount importance that an awakening of thought exercise be agitated respecting the nature of things; in place of each generation being the “mouthpiece” of ready made conclusions.

CHAPTER SEVEN

Active Medical Principle

A DISTINGUISHED physician of recognized authority has stated: "That material medicine acts, like the remote cause of disease."

Thus when we understand how the "remote cause of disease acts," the situation will be made clear. It has, however, already been mentioned that in accordance with the operative laws of human life science; that the cause of disease does not act—but is passive. But will cause the involuntary vital power to act, and exercise pathologic vital action.

The late Robley Dunglison, M. D., in his "Therapeutics and Materia Medica," Vol. I, page 94, states as follows:

"The *modus operandi* of remedies is not always clear; yet by careful analysis we can generally appreciate it,—in the main results,—although we may have much difficulty in comprehending the precise mode in which the results are accomplished."

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This quotation does not appear to illuminate the operative situation otherwise, than it is possible to comprehend the "results" of medicinal relations.

Thus while its practical utility may be understood, there still remains to be considered the *operative* scientific situation. That is, does material medicine really have "active principles,"— or is the relation like the cause of disease. That it will occasion the involuntary "active vital principle" to act?

This mentioned distinction is called theory. And theory is liable to be obnoxious to the dignity of a "practical education." Theory, however, is no more or less than an explanation of a situation. And while medical education is continually presenting an erroneous explanation—an erroneous theory,—the presenting of a different explanation, is liable to be censured as being a hair splitting "theory quibble," and insult to the prevailing dignity of a conclusion. This is the revelation of my experience.

Thus while it is important to understand the practical utility of medicine, it is equally as important to understand another feature of the situation,—of greater practical util-

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ity. That is, the *source* of the power that executes the action; that is represented in the name of "active medical principle."

At no remote date a distinguished physician and editor of an influential medical journal sought to inflict ridicule on my attempt to bring into controversy the validity of that alleged provision in operative Nature; of an inherent medical power represented as an "active medical principle."

He stated that such alleged agency was an established fact beyond all controversy. And was accepted by all intelligent and distinguished authorities of civilized nations.

It is true, that all medical literature is constructed in recognition of such alleged power; while the existence of an "active medical principle" is no better "established," than was the alleged situation for many centuries,—that the earth was the central orb of the solar system.

The idea of an existing power in material medicine, has come down to us from the dark ages; and is supported with that equal appearance which made acceptable the idea, of the revolution of the sun around the earth.

This interpretation of an existing "active

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medical principle" or medical power, is in illustration of a second attempt in the history of progressive intelligence; to teach a branch of natural science from a basis of artificial plan.

The solar system problem has been corrected by Copernicus. While we still have before us for correction; the teaching of a problem in human life science,—that is being presented in equal contradiction of the nature of things, and from an equally artificial plan.

The solar system phenomena of early consideration was susceptible of explanation from an entire different operative plan. And the entire phenomena of disease and medicinal relations can also be explained, understood, and demonstrated; from an entirely different operative plan. Being presented in the function of the composite co-operative life powers, rather than in the function of medical powers.

This great error in recognition and acceptance of a medical power, has long persuaded to an infliction of great magnitude that has been thrust upon a defenceless people. Having the support of appearance and

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is perpetuated by the personal influence of distinguished authorities, and is now sacrificing thousands of human lives annually.

The unthinking physician may say—and does say—that the source of the power is a matter of indifference, and is but a quibble; “What we want is results.”

While with the patient, the distinction between the contributing of a supplementary power, and the over tax of involuntary life power; is often attended with those “results” that distinguish death from life.

The entire situation of misunderstanding of the nature of things has been made possible. Simply because there has been no education revealing to the comprehension; the operative nature and working plan of the composite coöperative vital energies.

It is recognized, that there is an operating agency in the Universe; entitled to be represented as being a life power—vital force. While the solution of this problem—by common consent, has been postponed to the coming of future generations.

In brief, the situation is this. The operative function of involuntary vital power has been mistaken for an existing medical pow-

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er; now represented in the name of "active medical principle."

The "result" of medicinal relation is produced by an involuntary vital act, exercised in response to a previous irritable sensation; that is caused by the contact of passive material medicine. Material medicine will occasion many kinds of special sensations, that are attended with special results, expressed in a great variety of involuntary vital acts.

There is but one way provided in Nature for the exercise of involuntary vital action. And that is, in response to a previous sensation. The material medicine causes special sensation; and the involuntary vital power does the acting.

Why not teach the situation correctly? It would elevate a medical education to a higher level of scientific attainment.

Material medicine is useful—not because it has "active principles," but because it can be used to cause such special sensation; as will be succeeded by the kind of involuntary life act, that the physician may require to have exercised.

Thus enabling him to abrogate the sensation of pain that is a secondary cause for

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later complications; and modify or produce such sensation as will occasion the exercise of that involuntary vital act; that the best interest of his patient may require.

The scientific practice of medicine—medical treatment of disease,—is higher up in fact and in ideal; than in the supply of imaginary medical power in the name of “active medical principles.” Active medical principle is a myth. Involuntary vital power is a reality.

While one may be educated to think, that he is studying the action of a medical power, —he is only learning the result of the action of vital power; thus caused to act from contact of material medicine.

The distinction as a scientific principle is quite well illustrated, in the making of a calculation of the imaginary velocity of the sun’s revolutions around the earth. While it is the velocity of the revolution of the earth on its axis, that determines the position of the sun in its angular distance from the horizon in a given time;—that was the problem for solution.

The physician is limited to the use of only *one* kind of operative powers. That is, he

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may indirectly guide and modify the action of involuntary vital power. The only power or "active principle" that is operative or concerned in all disease and medical problems.

Such education would take the practice of medicine out of the hands of the ignorant. And when understood, legislative acts will prohibit any one from engaging in medical practice and management of disease who has not been educated to a comprehension of the working plan of the vital energies, from relations of cause and effect.

And what is more, no intelligent invalid would allow any one to attempt to guide their involuntary life powers in conditions of disease; who had no comprehension of the operative nature of the vital energy .

The lay mind also requires to be lifted up enabling it to recognize the advantage provided in the science of human life, for a more successful management of disease.

Notwithstanding that all medical literature is constructed in recognition of existing "active medical principles," no intelligent thinking physician really believes, that a power—that a supplementary energy is be-

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ing supplied to the human organism. But all physicians do not think—they are educated, and practice medicine in accordance with the significance of the language of medical literature. While the lay mind is seriously committed to the acceptance of the alleged possibility of becoming the recipients of contributions of medical powers.

A distinguished professor of *Materia Medica* in a University, explained the *modus operandi* of medicine as follows: "Medicine while passing through the system makes an impression and thus modifies vital action."

This language represents the distinction between his education, and his scientific intelligence. The language does not bring out a clear idea of the situation. It does not contribute in any degree, to a comprehension of the working plan of the vital powers.

The "making of an impressions," is no different kind of an incident; distinct from the causing of special sensation.

The illusory idea that the sun revolved around the earth was perpetuated to the thirteenth century; before protest was filed in contradiction of the conclusion.

And the illusory idea—the interpretation,

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that material medicine has an associate power,—an “active medical principle,” has been perpetuated to the twentieth century; before a suggestion is made that the function of involuntary life power has been mistaken for a medical power and “active medical principle.”

The more early United States Dispensatory defined medicine as being:

“A substance capable of producing as an ordinary result, and by its own inherent power, certain modifications of vital function, which renders it applicable to the cure of disease.”

The only way to “modify vital function”—involuntary vital power,—is in the making of an appeal to the sensation. In other words, the changing of the sensation will modify involuntary vital action; and material medicine is useful for the effecting of such change of sensation.

It is not difficult for one to accept a contribution of new ideas in addition to those already having approval. While it is often very difficult to eliminate an old idea—respecting a situation; and accept an entire different idea, respecting the same situation.

Such fact is illustrated in the incident of

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suggestion; that the sun in place of the earth, was the central orb of the solar system.

It required more than one hundred years to effect a change of idea respecting the situation: And recognize the practical importance of distinction, in aid of the solution of solar system problems.

A first education is difficult to eliminate. The habit of thought is more persistent, than is the reason for an idea. Apparently the suggestion was not regarded of sufficient importance to think about.

Reason, is a feature of the human mind that has ever been content with a back seat; slow to assert its independence in the affairs of the world.

How long it will require to recognize the distinction of practical value respecting the *source* of an "active principle," that is operative in the affairs of human life. Contributing to a solution of disease and medical problems, and a more successful management of disease, —will have place in future history among the mention of the many discoveries of the century.

The idea expressed in the language "active medical principle," did not come into the at-

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mosphere of this generation like the advent of a new comet. It has come down to us along the path of time with much research, not only for its support; but for the discovery of "active principles" in a great multitude of material; for alleged "practical" use in the running of the machinery of life when the vital powers flag, or neglect to do the proper thing. Whatever is done and the patient gets well, is called a therapeutic agent, having "active principles." Individual preservation and national prosperity, requires the development of a more scientific education.

It may be instructive to examine the method and the testimonial support; in the incident of the kind of experimental research; that has revealed the proof of discovery of an "active principle."

The research consists in the introducing within the human organism of a material—that in a brief time; if succeeded by any kind of involuntary action. An action that would not have been exercised, had such material not been introduced. Then this fact of new act, is given interpretation, as being the verifying evidence that an "active principle" has been discovered in such material. And a rec-

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ord is made of the discovery.

It is noticeable that medical science education don't recognize involuntary life power, as being an operative agency in association with medicinal relations; in being the only kind of power exercised.

The involuntary life powers, have ever been mistaken for a medical power.

That is, when an irritable quality of a material causes vital disturbance, this disturbance or new act, is accepted as being an act exercised by a medical power.

Is it not strange that such idea, could be perpetuated to this twentieth century?

Such conclusion by the ancient mind may be excusable. But with our generation the pride of scientific culture should eliminate the crudeness of such interpretation.

It is quite apparent that education in this branch of research, fails to develop scientific intelligence; in this human life branch of natural science.

Conclusions—exceed comprehension, in the claim that the *same* material may have different kinds of powers,—several kinds of “active principles.” That may act and execute a variety of feats with the machinery of life.

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It may be instructive at this time to analyze the dictionary definition of "irritability" of previous mention. And in accordance with the correct operative principles of human life science:

"Irritability, a power, possessed by all living, organized bodies, of being acted upon by certain stimuli, and moving responsive to stimulation. It is the ultimate vital property."

Irritability, is a situation precisely like what is represented by the words—irritable sensation. And the "stimuli" is the material that has caused the irritable sensation.

The "moving responsive to stimulation", is an involuntary vital act, exercised in response to a previous irritable sensation.

The "moving" is not a function of the "irritability", as the definition implies. But a function of the contractile division. That "ultimate vital property" that exercises motion with the muscles.

Irritability, which is but a disagreeable sensation—irritable sensation;—is not the *only* "ultimate vital property" of "all living organized bodies." But one of the four ultimate vital properties. That vital property, that re-

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lates the human organism to the contact world.

The following mention of a laboratory experiment will illustrate both the incident of involuntary motion being exercised in response to irritable sensation; and also the "discovery" of an "active medical principle," as provided in the dictates of education.

I removed two dace of one-half pound weight each, from a tub of water, amputated their heads, removed the scales and prepared them for the frying pan in which they were placed within a period of fifteen minutes or less.

They soon began to flop in the spider. One got out on the stove and thence to the floor. The other got out on the stove.

In this experiment, one of the four divisions of life power, was eliminated,—was amputated with the head. The instinct,—the constructive function was inoperative. There was remaining in the organism, the sensation function, and the motion function of contractility by the muscles—not yet dead.

The irritable sensation occasioned by the hot spider,—was succeeded, by an involuntary vital action of the muscles; that flopped the fish from the spider.

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And this laboratory experiment as you will recognize, also contributes to the discovery of an "active principle" in the hot spider. A situation of similar incident, and of equal verification of discovery, of "active medical principle," as revealed in the research to discover "active principle," in a material introduced within the human organism; that may cause irritable sensation, and in response to which involuntary vital action may be exercised.

The alleged "inherent power" of more early mention in medicine; is now represented as an "active medical principle." And such alleged "active principle," has been isolated and "standardized" in its measure of alleged "active ability."

This language signifies that the irritant quality has been separated from the non-irritant. And the quantity that may occasion an approximate result, has been measured by experimental test.

A poison, is but a kind of material that in quantity, will cause irritable sensation of such degree; as to be succeeded by an involuntary life act that may cause death. While with some kinds, its presence will abrogate or paralyze those nerves that take part in

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the automatic function of circulation and respiration.

The world of intellect was not prepared at first suggestion, to accept the fact that the sun was the central orb of the solar system.

And it is possible that the education of this generation has not made it easy at first suggestion, to accept the fact; that active disease, active medical principle, and involuntary vital action, are one and the same kind of incident.

That "active medical principle" and involuntary vital action; are one and the same kind of incident may be a new idea. While what is done, and represented as being functional active diseases;—what is done, and represented as being the function of "active medical principle;"—what is done, and represented as being an involuntary life act; are all one and the same kind of incident.

In other words, are all involuntary life acts; constituting a scientific fact, that is now awaiting recognition.

The many alleged discoveries of medical powers, and the alleged utility of such powers for the operating of the living human organism; which idea is given support by the

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cultured intellect of the world, is fast developing a nation of medicine takers never before equalled on the globe. That will eventually effect a serious calamity in the producing of a nation of semi-invalids; unless measures are taken to correct this fallacious education of the nature of things.

This is not an exaggeration as will become understood; when it is recognized that normal vital function in the producing of health, requires an environment of normal sensation in order to have the machinery of life operate harmoniously; which function is seriously disturbed by the daily dosing that is practiced by a numerous people.

The doctrine of "active medical principle" is a delusion of idea, and an imaginary power. And in place of being a supply of power, it is an exhibition of waste of involuntary vital power; constituting the most serious educational infliction ever thrust upon a defenceless people.

And while this statement may be in contradiction of a unanimous conclusion, it has the support of the operative plan of life as revealed in the nature of vital force. And whoever finds their educational dignity as-

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sailed—this not being a personal matter,—can make resort to original research for a solution of the situation, it being a problem of natural law.

When Galileo suggested that an error had been committed, in the recognition of the central orb of the solar system. The accepted authorities—without thinking ability; were so well satisfied with their ideas of long acceptance, that they refused to examine the alleged fact—by Copernicus,—and persisted in teaching error for another century.

But we are living in a different age,—and the suggested required revolution in the teaching of the *source* from which “active principles” are derived; has the advantage of a more thoughtful mind with both willingness and ability to engage in original research for the solution of science problems. And is in ever readiness to examine new ideas—recommend their acceptance. Or make emphatic protest in repudiation,—recognizing that nature—not man, is the higher authority in science for the support of a conclusion.

CHAPTER EIGHT

Stimulation

STIMULATION is not a contribution of energy, of supplied power. It is not a supplementary power that does something in substitution of vital energy.

But it is something done, that will cause the involuntary life powers to do more, or do something different.

There is no operative principle represented by the word stimulation, unlike the relation of material medicine. It is but a different word that represents a similar kind of incident; as mentioned in the operative sequence between cause and effect from medicinal relations.

It has the same relations to the involuntary life powers, that the "active principle" of a whip will have been when applied to the horse.

And that something done, that is called stimulation, consists in the producing of irritable sensation, local or general. That will

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be succeeded by some kind of involuntary life action.

In brief, the act, called stimulation, is but the causing of irritable sensation. Nothing different.

Thus it may be said, that stimulation, in place of being a contribution of energy; is practically a waste of involuntary vital power.

And even when so understood, it may be of more or less practical utility in some instances; as would be the whip when applied to the horse, to escape danger from a railroad train.

Thus in conditions of collapse, that is implied in a situation of internal congestion, with deficient superficial circulation of the blood. We have in such instance a choice of evils to consider. In recognition, that the human organism will endure temporary stimulation, with some waste of vital energy—with far less danger, than it can endure the condition of unbalanced circulation.

Thus when the situation is correctly understood, no one would persist long with alcoholic stimulations, but would resort to other means to maintain a more nearly balanced

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circulation.

I distinctly remember of being told by two distinguished physicians of a case of collapse that came into their hands that proved fatal. They said they gave the patient the most powerful stimulants. Administered one quart of brandy in less than ten hours.

There is certainly a great practical distinction in utility; between the dictates of education and scientific intelligence. In this instance, of which there are many; it is quite probable that an erroneous education might be largely responsible for the fatality.

The erroneous education, encouraging expectancy, that a power may be supplied in the name of "active medical principle," that will give support to weariness and debility, is largely responsible for that infliction thrust upon a defenceless people persuading to the use of alcoholic spirit for relief from such situation.

With such experience, there is something fascinating; that seems to give support to such interpretation. That is, weariness and debility being situations revealed as a sensation.

Thus when resort is made to alcoholic spirit, there is effected an exchange of sensa-

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tions—a swapping of sensations. The person *feels* less weary, and thus may infer that they have more strength.

The sensation department of life function, contributes much to our happiness or misery; as experienced by our feelings. Various articles as with opiates and alcohol—with many people, will occasion sensations of pleasure. That often constitutes the great persuader for the making of resort to such material.

A fallacious education has long persuaded to the acceptance, that stimulation was a contribution of power. And the fact that alcoholic spirit is made from grain, persuades to the belief with many; that through some mysterious way that it is food.

And many people of culture today are still contending that alcohol is food. And if whiskey is “pure” that settles all controversy with many respecting its utility for the requirements of the body.

Fortunately, the law of Nature—not man—contributes to the solution of the situation. The human organism cannot assimilate and use chemical compounds as food material. And alcoholic spirit is a chemical compound, made from grain material by a chemical syn-

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thesis; while passing from its life condition downward.

The temperance organizations will achieve much greater results—and far more permanent; in the promotion of scientific intelligence rather than with petitions to the legislature alone.

To say to the youth, or to the adult, that alcoholic spirit is of dangerous relation to the human organism is not education—but an admonition. While the dictates of alleged science as given interpretation today, instructs the people that its “active principle” contributes strength to weariness and debility.

There is not a school in the world that teaches correctly—understandingly,—the relations of alcoholic spirit to the human organism. While intelligence is the greatest persuader for the correction of the evil. It is erroneous education—erroneous ideas, of the relation of alcoholic spirit to the human organism; that is responsible for the existing alcoholic infliction.

The thoughtful agitator of prohibition has an intuitive conviction that there is something wrong with a medical education that encourages the use of alcoholic spirit for its alleged

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power contribution. While there is no education in demonstration of operative scientific principles, that can overcome the diction of the physician.

It is too often accepted that alcohol supplies power,—because the Doctor says so. While it is not so,—because Nature says so; which the higher authority.

There is much being done to protect the people from the evils of alcoholic spirit. And laws have also been enacted to protect against opium and cocaine. While tobacco is a cause of great injury; yet no protection is provided except for the youth. Its disturbance of balance of nerve function is of serious relation—not understood. While with a perverted sensation—like alcohol and opium; it will contribute to temporary relief.

Tobacco is very injurious for boys; while it is extremely beneficial to the adult; having his testimonial support,—that he feels better after a smoke.

CHAPTER NINE

IMMUNITY

THE word—immunity—in its correct application signifies a protection of the human organism from disease; when the cause of such disease may be present.

And such protection is applicable only to those forms of contagious disease that are non-recurrent. That is, those forms of disease where the special virus cause; is produced from the result of pathologic vital action. And cannot be produced but once in a life time.

Thus with such situation, the limit of pathologic action may be exercised on the installment plan, as is made to prevail from vaccination as illustrated in modified small pox. The modified virus—the vaccine matter, will only occasion a modified expression of the active disease. Thus the organism exercising only in part,—its possible production of such special virus.

With such practice, the virus will not be produced in excess of possible early elimina-

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tion. Thus the disturbance in itself is far less dangerous.

And later, when pure small pox virus is introduced, the organism having previously exercised a part of its limit of possibility, in the production of such virus material; cannot later produce such virus with rapidity—and in quantity; in excess of daily elimination in such degree as will seriously endanger the organism in a second experience from the relations of pure virus.

Thus a permanent immunity is made possible; only with those forms of contagious disease that are non-recurrent.

This illustration of the operative situation by installment plan; will confirm the utility and importance of legal enactments for the enforcement of vaccination.

With other forms of contagious disease the word immunity, is not correctly applicable. The temporary protection, as with diphtheria, is effected through a different operative plan and method.

And with the recurrent forms of all contagious disease, it should also be recognized; that the special virus is a pathologic vital product.

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And being such, the practical advantage expectant in the treatment, would be anticipated, as consisting in a prevention of a rapid production of such virus. That can be largely effected in the producing of a different kind of pathologic act in substitution.

Thus dividing the severity of this one kind of vital act, by a modification of such pathologic action; that is producing the special virus peculiar to such disease.

And the use of "anti-toxine"—so-called, constitutes a very efficient means for the diverting of pathologic vital action; and temporary protection of the individual thus afflicted.

With the anti-toxine" treatment of diphtheria, it is difficult to understand that the diphtheritic poison may be destroyed—changed chemically, except by local application. While it is consistent to infer, that the treatment is very effectual in the arrest of the production of such virus. Thus contributing to the preservation of the life of the person having such disease.

It will be noticed that no mention is being made of the microbe with this form of contagious disease. And for the special reason,

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that the microbe is but a carrier of such virus. Taking no part in the production of this special virus.

The microbe, however, will receive undivided attention in a separate chapter.

Now and then the dignity in association with an alleged scientific education, is liable from contradiction of an accepted situation to have interpretation as being a personal affront; which has frequently been revealed to my experience. But science means something entirely independent of all personality.

With many forms of disease, pathologic vital action will produce secondary causes existing as a morbid fluid product—as with cholera; that is of serious and dangerous relation. And when the “serum treatment” is effectual in contributing relief to the situation; the explanation may be found in the fact; that the “anti-toxine” serum has effected a modification of the pathologic vital act; and thus arrested the production of the more early and special virus cause,—that has come into the situation.

With all disease and life problems, there is no agency that acts; that does something—except the vital power. Which may express

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both physiologic or pathologic action. The causes for development of pathologic vital action are numerous; and while they do not act, they may occasion the involuntary life powers to act differently and seriously.

CHAPTER TEN

Cure Discoveries

THERE is provided an operative plan with the life power agency for the self preservation of animal organisms. For both protection and recovery from many forms of disease and mechanical injuries; and which is also applicable to the vegetable kingdom, as illustrated in the repair of the bark of a tree.

And while not recognizing such provision, resort to experimental research has been made for the acquiring of alleged scientific intelligence for the cure of disease; that has been successful in the making of many alleged discoveries.

It has been revealed that when Faith, Mind, Emanuel, Christian Science, and Absent Treatment, was made applicable to those conditions that are amendable to recovery under the law; that success rewarded expectancy and thus verified the alleged utility of such means for the cure of many forms of disease.

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And such methods have the support and personal influence of many intelligent people for their promotion, who have no comprehension of how the recovery is effected;—not being familiar with the operative methods of human life science as revealed in the life power agency.

The strange anomaly is also presented—that with each kind of application, similar and equal cures are effected. And even when doubt is expressed with much emphasis; still the good work goes on. All forms of self limited disease being equally amendable to both expectancy and doubt.

Christian Science has been more successful in the securing of a numerous following, because of more proselyting and guarantee of salvation for both body and soul in one proposition; which is certainly a wonderful discovery. That “faith” of the Christian Science kind, can secure such great reward for so little effort—is certainly of commendable acceptance. Thus when long supposed realities of misery and suffering, may be vaporized out of existence with an application of a new “faith.” There is no obstruction in the way—except scientific intelligence; that

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can interfere with its acceptance by the multitudes.

In fact this discovery relieves the convert of all anxiety and provides for a quiescent state of mind; that may listen attentively to the revelations, which research has unfolded to view; as proclaimed by the readers who inspire patience and a waiting faith for results.

That such means may be adopted to bring the unregenerate to Grace is certainly a commendable scheme. And in fact a great improvement as a discovery; — as compared with the alleged discovery of medical powers for the operating of the machinery of life in the interests of physical man.

Referring to medical power discovery, it has been revealed, repeatedly and repeatedly; that harmless material called medicine, and promoted with the assurance that it is a wonderful medical discovery; has made it possible to secure millions of dollars in a brief time from people, of whom some may recover from self limited disease. It is a recognized fact of which many take advantage,—that the people are so deluded, that the announcement of a new medical discov-

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ery will insure a fortune in a brief time to the advertiser who is unsparing of ink.

There is no education that provides scientific intelligence for the protection of the people, and the invalid is too often regarded as being a victim of prey by the unscrupulous.

And it is true, that many people who are continually taking medicine for chronic ailments—that is of much injury; and have “failed to be cured by the Doctors,” whose instructions they persistently disobey—in continuing to dose with all kinds of “medical discoveries.” When they cease to take medicine, and embrace Christian Science will often recover.

Which explanation is found in the fact that they have ceased to do themselves harm. And have conformed to the law of cure, thus affording possibility of recovery; simply by obeying the laws provided for the restoration of health.

Conformity to the law provides for both the preservation, and recovery from all forms of self limited disease. There is no special provision provided for recovery in the embracing of “faith” in this or that alleged cure discovery. Faith is an operative feature of

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mind function, but not concerned directly in the operation of life powers.

It is obedience to the law of the operative *life* powers—consciously or unconsciously; that is attended with the restoration of health. Thus it cannot escape recognition—that scientific intelligence, respecting the law of the operative powers with the relations of cause and effect, is of paramount importance—in aid of escape from imposition; and also provides for conformity to the operative laws for recovery of health.

The conditions for maintaining health may be largely included in a refusal to take medicine when no rational intelligent reason can be found for its utility. Drink pure water sufficient to replenish the blood for its daily loss of fluid. Eat sparingly of plain food. Breathe fresh air. Exercise properly. Secure good sleep. Don't overwork either body or mind. Avoid cause for mental worry. Such means are too simple for general acceptance. The people have been educated to believe that something very mysterious was involved in the situation: Keep in mind that good health contributes more to happiness than late banquets and money. And is maintained by con-

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forming to the law of bodily wants—and don'ts.

And while Christian Science teaching may include such advice; it fails to contribute to scientific intelligence.

Material medicine may be legitimately required in more or less instances. But when the prescriber is without knowledge of the operative law of the life powers; and thinks he is contributing supplementary medical power to help you up the hill—go slow.

Christian Science and the other cure discoveries contribute to an expectancy, that some wonderful "faith" power is operative in the recovery from disease. Perhaps in other words—that "faith" restores the power that was used in "Bible times" to work miracles.

But there is no other kind of power that is operative with the material organism; except the life power that is concerned in the operating of all animal organisms.

Thus the cure is effected in self limited disease,—when the invalids cease to do themselves harm; and conform to the laws of the operative life powers that have long existed in aid of life preservation.

There is a great distinction between the

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functions of life and mind powers. The life powers operate the involuntary functions of the human organism; while the mind powers operate the individual's voluntary affairs.

The "Science" feature of a cure discovery, is implied in the function of the involuntary life powers. And the "Christian" feature of the problem, is exercised by the mind function.

The mind feature is, however, of great utility for the restoration of health. But largely as a negative quality. In ceasing to do harm—by anxiety and worry. The faith and hope feature, contributes to the restoring of health by its ability to eliminate worry.

Mrs. Eddy is not a scientist, but an Evangelist; and teaches faith rather than science. Making the extravagant claim through faith, for the salvation of the body. She does not appeal to the intelligence for the enlarging of the boundaries of the thought field;—makes no distinction between the functions of life powers, and function of the mind powers.

To her apparent understanding of the situation; they are one and the same—all mind powers.

In her book "Science and Health" it is stated: "Christian Science reveals uncontro-

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vertably that Mind is ALL-in-ALL, that the only realities are the divine Mind and idea.”

And while Christian Science devotion may be equally fruitful with other measures,—for the salvation of the soul;—it fails to intelligently meet the requirements of the body.

Christian devotion—and practical Christianity,—which is of equal importance; is an elevating constituent for the promotion of a higher civilization. And intelligence is also of immeasurable value in the guidance of practical life affairs.

But it is not an exhibition of Christianity or intelligence; to allow an enthusiasm of religious zeal to dethrone the importance of rational reason; and teach ideas in contradiction of the nature of things.

Faith has its place in the affairs of life and is an indispensable factor of the mind,—for the promotion of happiness. But it is not commendable to cultivate “faith” in contradiction of rational reason: Instructing that the stars and the earth and the animal kingdom is not real; that aches and pains, small pox and the colic is not real,—but imaginary; and but a freak of the mind that may be eliminated by “faith.”

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This material Universe, the physical forces that keep the planets in position, and the vital life power energy that constructs and operates animal organisms—is of equal “reality,” and has as positive an existence as the “mind reality.”

The material Universe is not the “Divine Mind,” no more than is a locomotive the mind of its builder. Intelligence persuades to a higher conception of a Deity.

Christian Science teaches faith, but not intelligence. While both are essential for the welfare of the race.

Cardinal Gibbons says: “Science is God’s instrument in teaching of His handiwork to the human race.”

With the pagan mind, faith, so largely took the place of reason, that our Christian organizations are sending missionaries to those countries to restore the balance. And they have achieved great success.

Science is not in conflict with religion, but its most important ally. While Christian Science is teaching doctrines in serious conflict with scientific intelligence.

Persuading to a cultured expectancy that “faith” together with some instruction, can be

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depended upon with safety; for the cure of all forms of disease,—that are but conditions, alleged to be but imaginary situations.

Christian Science as a name, for the inspiring of faith is entitled to hold its place among the many other measures in the proselyting field for salvation. And while it is a sure cure for broken bones if you keep still, but should you have diphtheria send for a Doctor.

It is not commendable with intellectual pride and the dignity of a medical science education in this twentieth century; in the teaching of the operative fundamental principles involved in “cause and effect” in the science of human life. To so utterly fail to protect the cultured mind from the acceptance of the many alleged “wonderful discoveries,” which persuade the multitude to seek relief for their ills and ails; like the hordes of pilgrims who annually journey for months to secure purification in the waters of the Jordan.

But there is one instructive fact of similar incident;—that it was not possible to grasp the operative scientific principle of “cause and effect” in the solar system problem; that produced day and night. Until man had

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recognized which was the central orb.

And with medical science and cure problems; it is not possible to comprehend the operative relations involved in "cause and effect;" until the mind has become able to comprehend—that postponed problem—the working plan of the vital energies in the executing of life duties.

Thus in the meantime, there can be no intellectual protection against the acceptance of numerous "wonderful discoveries of medical powers;" and equally as "wonderful discoveries" of how "results" may be produced by the application of "faith," in aid of physical salvation. Consequently in the interim, the world of intellectual pride will be alternately wounded by the "mythical" discoveries by each of the different schools of practice. It being easy to discover the crudeness of the idea,—that persuades others to accept conclusions.

The great demand of the hour is to educate man's understanding, of the nature of things. And it is of much regret as well as of serious consideration; that so many—not being familiar with scientific principles—may be persuaded to accept as true, the

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many alleged "discoveries"—not amendable to comprehension. And also the language of satire which "Fra Elbertus" has made one of his "characters" proclaim in his dramatized trenchant wit on the doctors.

Says *Karl McCullough*: "The degree of M. D. is given on your proficiency in memorizing things told you by lectures and printed books. These lecturers get their knowledge from books, and the men who wrote the books got their information from lectures and books. It is very rarely that any new or commonsense idea is advocated in colleges, because to do so is to lose caste. New ideas are forced in by barbarians, who have no reputation to lose, and then are adopted by the schoolmen when they have to. Any pupil who introduces his own ideas in opposition to the text books is refused his diploma. And any man who does not have his diploma is not allowed by the State to practice medicine. So you see how this tendency is to make ignorance and superstition perpetual."

It is knowledge of the nature of things,—a comprehension of the operative laws of the "active powers" that produce "results," in

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the various departments of natural science. That enables the mind to detect and discount the extravagant claims of "wonderful discovery," and in representation of eruditional accomplishments in the schools of medicine. Otherwise, the many erroneous statements may gain credence,—requiring much time to eradicate; being accepted on the strength of personal authority in full belief of their intrinsic value.

In the department of human life science, as with other departments of natural science, it is equally important and imperative; to educate the mind to think as Nature is doing,—which constitutes a scientific education.

There is provided in Nature a foundation for a scientific practice of medicine and management of disease. Implied in the indirect guiding of the involuntary life energy; existing in the operative laws of the life,—not the mind powers. That when understood, will close the door against further accepted claim; of discovery of previous unrevealed curative powers.

And the one special fact of importance to recognize—requiring earnest consideration; is for the mind to distinguish the practical rela-

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tion between the results; from the introducing within the human organism, of a material called medicine, that can *act* and operate the machinery of life. Or that said material is passive, and may only occasion, the involuntary life power to act differently.

There is an important scientific principle involved in this distinction; and of individual and national consideration.

The crudeness of the medical science education of today, from the standpoint of operative life power principles, is lamentable, dangerous and of serious reflection on the thought calibre of this generation.

This suggestion courts reply! The time has come for the reading of the book of Nature anew.

Because the world of intellect has long accepted an education, affording satisfaction with certain ideas, is sometimes a poor excuse; for perpetuating error in the name of science.

The people for a long period, even centuries, were satisfied with the Ptolmaic idea that the earth was the central orb; and it required the burial of several generations, after the first suggestion; to get in readiness to accept the true situation. Will history re-

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peat itself with this life science problem?

The many alleged cure discoveries, have set the intelligent mind to thinking; and we are in the presence of a mighty movement from thought application.

It is the exercise of rational reason that contributes to the development of correct ideas of practical utility.

Education, is but the perpetuation of existing ideas—whatever they may be. Thus it may be of great advantage to review the education in the field of human life science; notwithstanding what may be the accepted conclusion. And seek to determine whether or not, Nature's facts have support for their existence, in the operative laws that are understood, and that are of possible demonstration.

CHAPTER ELEVEN

Germ, Microbe, Bacilli, Bacteria

HISTORY has failed to make record of a more illusionary idea of the wonderful powers of wooden Deities of the dark ages of the world; than is similarly being presented for consideration by the cultured mind of this generation, in an alleged recognition of wonderful abilities and mysterious powers endowed into the infinitesimal microbe. An organism consisting in an aggregation of a few simple cells, affording the lowest possible evidence of—an existing life power. The alleged situation is in such extravagant contradiction of the nature of things, that it is difficult to find language equal to the occasion for representing the magnitude of the delusion.

That this unexpected statement in discredit of the accepted conclusions by the many distinguished authorities, may develop indignation—is anticipated. The situation is quite similar to that of a friend, who said he gave but little or no attention to lies that were told

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about him; but when they told the truth and could prove it,—was what made him mad.

Respecting the misconception in giving such great versatility to the microbe; there are experimental facts in contradiction of the alleged situation that are entitled to candid consideration; as well as the nature of things revealed in the science of human life.

Accepting, that the microbe is often the cause of disease, and it being revealed that the causes of disease do *not act* to produce disease, but simply cause irritable sensation;—in response to which pathologic involuntary vital power does the acting which in itself constitutes the active disease.

It then becomes evident from the basis of rational reason, that the microbe, like all other causes of disease, can only cause irritable sensation; in being constructed from irritable virus material. Which virus material would be equally a cause of disease,—even were it not organized into cells. Thus all microbes that are constructed from filth and pathologic virus, may become a cause of disease.

It is the quality of the material of which the microbe is constructed; that makes it possible for a microbe to become a cause of disease.

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Therefore, the microbe is but a carrier of the cause of disease. This is logic, supported by fact.

The microbe relation to the human organism, constitutes a problem involved in the operative principles of human life science. Thus unless the authorities can support a contradiction of the operative plan of human life science, as revealed in the composite coöperative life powers; then my interpretation of the microbe relation to the human organism must be accepted. That is, the natural law of such operative situation, must constitute the authority.

A disease microbe is not a parasite, but an organism of a few cells. While a parasite is a cell organism developed into organs, constituting an animal organism.

The simple cell organisms of the microbe multiply by division; but never develop beyond an aggregation of a few cells. And the cells being constructed of virus material,—thus become a cause of disease.

The relation of the microbe cause—is no different, from the relation of any other cause. The virus material causes irritable sensation. And the one fact—that the cause of disease,

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has no other relation than to cause irritable sensation; is sufficient to determine the relation of the microbe to the human organism.

M. Pasteur, who has made this direction of research a specialty, makes the statement: "That the virulency of the microbe was dependent on the quality of the material from which it is constructed."

And this conclusion is also supported by the many who have engaged in microbe culture; that the special microbe of contagion will soon cease to be pathogenetic, when a different food material is supplied. This would seem to be sufficient testimony, to relegate the microbe to its true relation with disease problems.

But there is another factor to be considered; that may be recognized as existing in a first education. The idea has long been cultivated that a cause of disease does something; that it acts and produces disease. And this early first idea fails to give place to any special practical significance to the language used by Professor Virchow.

Education thus far has not revealed the distinction, between a cause of disease doing something; and the cause—causing irritable sensation,—that will occasion the life

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power to do something;—to execute the act called disease. That has long been taught, was executed by the cause.

As before mentioned, the function of an involuntary life power—and only power concerned in disease problems; is not recognized in the explanation of the situation being considered.

Thus the microbe while often being the cause of disease, is given credit for having a power—an “active principle,” that acts and produces the disease. And also has credit for ability to produce a virus having different kinds of powers; that act and produce different kinds of contagious and other forms of disease.

Education has provided no other explanation of the situation. The problem of human life science as revealed in the operative life powers; has been relegated to future generations for its solution.

The situation from a practical standpoint—may be instructive; when we take into consideration the order of events that succeed when an individual is infected with small pox virus, conveyed by a small pox microbe. A microbe constructed from small pox virus.

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The situation has been previously illustrated in connection with contagious disease; but a repetition may fix the idea more permanently.

The human organism when thus infected, and through its function of pathologic vital action—from such cause of disturbance; will soon produce many thousand times the quantity of such similar virus of contagion, as was first introduced. Thus providing material for the construction of millions of disease microbes.

It is not consistent to infer that those few microbes first introduced, can manufacture many thousand times the quantity of such kind of *virus material* as first introduced. They do not *create* material, from which other microbes are constructed.

Thus there is no other alternative than to infer, that such quantity and quality of virus was produced by pathologic vital action. Those few virus microbes of first introduction are in due time—if living—in association with millions of similar microbes of virus construction;—from material derived from some source. But in due time again with this form of non-recurrent contagious

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disease—small pox—the human organism gets to the limit of its possibility of production of such virus.

We then have before us the fact to consider; that this human organism can no longer communicate the cause of small pox to a second individual. Yet microbes may be found in abundance with the microscope, but not being constructed from virus material, can no longer be a carrier of the virus cause of disease to a second human organism. Saint Paul said: "Let us reason." The production of the virus material for the construction of the millions of microbes must be accounted for in some way. And the foregoing facts should be instructive.

Those four words of the title to this chapter, each represent a micro-organism—so called, because it requires the aid of a powerful microscope in the making of their discovery. And such micro-organism consists of a few cells more or less spherical and elongated, and joined together in such way as to afford a distinction in form and are thus given a different name consistent with the kind of disease in which they are found.

Their presumed function and importance

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in the affairs of human life, has made it seem consistent that they be represented by a technical name—which the dignity of education seems to require. Thus the cholera microbe, is known as the “spirillum cholerae asiaticæ microbe,” and the cerebro-spinal meningitis microbe, “Diplœoccus intracellular meningitis cerebros spinalis microbe,” Don’t that illustrate that the microbe is a belligerent creation?

Those technical names are very instructive and contribute much dignity to the education of any one; who can pronounce those names correctly at the first trial. And such language inspires awe and wonder of the profundity of Nature in its mysterious ways for the revealing of the works of the Deity to the human race.

While the microbe, however, is an organism of a low down creation of a few cells, and is thus called a “plant” organism; because the microscope reveals a cell quite similar to wood fibre. The lowest organism put into form by a life power. But is given credit by—education; for having ability to set free an energy of wonderful power.

A distinguished authority in his explana-

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tion of the relation of the microbe to the human organism; in being the "origin" of disease; makes the statement that: "Organized beings are continually *acted* upon by their environment, and life is an expression of the continuous reaction."

That is, the microbe acts first, and the organism retaliates and strikes back—it reacts. Thus, in place of "life" being an independent expression of power; it is presumed to be dependent on some other agency doing something first.

This ambiguous language is certainly a very ingenious provision for the making of escape from the environment of incomprehension. This fallacious idea of "acting," and "reaction," with the operative relations from the causes of disease, has already been well thrashed out. But in the fact that it comes into this problem of microbe relation, with much emphasis by the many distinguished authorities; it may be well to keep in mind that all language in explanation of disease problems should conform to the laws and operative fundamental principles of the science of human life.

There is no agency—no power, that acts on

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the living human organism. Nor that contends with the powers of life. This idea is a myth. The human organism itself, is an engine of power. And what is called the "resisting power against disease," that power that is presumed to attack the human organism. Is but an incident,—where the cause of disease is tolerated without disturbance.

The idea that some mysterious power—not a life or mind power, may exercise activity with the organs of human life; has come down to us through many centuries as a tradition. And while intelligence has enabled many to escape from the infliction of witch power. The "medical and the cause of disease powers," still remain acceptable; with much research for discovery of the material in which they are associated.

Thus unless it can be demonstrated that the nature and operate plan of the coöperative composite vital powers,—is unlike what has been represented in a previous chapter; we must recognize that the microbe cause of disease has the same relation as with all other causes of disease. And that the microbe is but the carrier of the cause of disease.

And I repeat, the cell micro-organism never

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develops beyond an aggregation of a few cells. It has no organs, it cannot secrete nor excrete a poison. It is simply a few cells existing in the most primitive form that a life power can construct. And they may be constructed from both harmless and from virus material. And are of such dimension that many thousands may occupy the space of a small pin head.

But notwithstanding their diminutive size, they are "powerful." In fact, inherent power, and the creating of power, constitutes their belligerent missile; for the making of attack on the human organism. As provided in the dictates of alleged scientific education.

My conclusion respecting the relation of the microbe to the human organism, is based on a knowledge of the law of the operative plan of the vital powers. While the "authorities" confessing they have no comprehension of the working plan of this agency; and being persuaded by the dictates of ancient ideas that have come down to us; that the causes of disease have "active principles." Thus they have endowed the microbe with versatile abilities—that far transcend the function of any creation of the Universe. And which will pass into history as the most gigantic misconception of

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the nature of things that ever got possession of the human mind.

It may be well to not pass over the situation too lightly; but examine the subject from the bottom with much care and consideration. There is a powerful delusive personal influence behind the microbe; that is placing this creation in the front rank among the assaulting powers that contend with the human creation for the possession of the earth.

In dealing with the microbe problem we are making investigation of an alleged engine of power; a micro-organism alleged to generate and set free an energy that may operate the machinery of human life. Thus the real problem before us is a factor of natural science. In a research for the discovery and recognition of a power that acts—that does something.

Thus it is legitimate to again inquire if it be true—as is now taught; that the Divine Architect has provided two kinds of power,—two *sources* from which an operative agency and “active principle,” may be derived; that can operate the machinery of human life?

One a vital energy, and the other a “microbe energy.” This is the real bottom of

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the situation—the real practical issue, whether two kinds of power may be available. One that operates the living human organism in the presenting of the condition of health. The other that presents that disturbance called disease. Is it legitimate to think?

It is a situation of yes or no. There are either two kinds of operative power—or there is not. The “authorities” say two, while I can discover but one—the vital energy.

It is self evident—independent of personal authority,—and of possible demonstration; that the working plan of the composite coöperative vital energies, afford possibility for the accounting for all phenomena manifested by the living human organism; and in the function of that one kind of “active principle”—the vital power.

Thus the authority for the situation is found among the Divine records—in an expressed operative method. And when understood will contribute to a more successful management of disease and human life preservation.

And when understood, will also excuse the

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microbe of all charges, except being a carrier of the cause of disease; when constructed from filth material and the virus product of pathologic vital action.

The microbe problem is of international interest and should be surveyed in cross-section at various angles, in discovery of the magnitude of the delusion.

In place of making microbe energy responsible for the executing of the many pathologic expressions by the living organism. It is the involuntary life power that is exercising activity in response to special *sensations*, that is entitled to the credit of all manifest energy.

And the recognition of what may occasion such *special* sensation;—will constitute the legitimate scientific research of the future, as being the key to many life mysteries of great magnitude. And I repeat that every involuntary life act of every kind and quality is due to a previous existing sensation. And the coöperation of life powers is the only way provided in Nature, for the presenting of involuntary acts:

“Vital energy opens up a new chapter in methods and events of the Universe. The intellect is be-

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ing enlarged; we are living in an age of ideas, undergoing a mighty revolution in human thought.”—John Fiske.

When we further examine this mysterious creation—called a microbe, in its various subdivisions of alleged ability endowed by education; there will be recognized that wonders still multiply.

Education not only endows the microbe with having ability to exercise a power, but may create a virus that has a power. That can attack the human organism together with an “active principle,” that may operate the machinery of human life, presenting both the conditions of health and disease.

And what is even more wonderful. A slight change in the shape of the microbe gives it ability to create a different virus; having an entire different kind of power, that may act differently; and present other kinds of contagious diseases,—and many kinds of other forms of disease.

A distinguished international authority is responsible for the statement: “That the microbe sets free an energy that is healthy and unhealthy.”

Thus it does not appear that the microbe

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makes an attack personally, as a hunter of large game would attack a lion in Africa. The microbe is more discreet in its methods, —is more cautious in the interest of self preservation. And thus executes its belligerent function by proxy,—creates a virus with a power, that makes the attack and commits the fatal assault.

Only think what this twentieth century education, with the aid of a microscope has revealed, as found in the function of the microbe; that long concealed mystery in Nature. That constitutes the alleged essential factor now recognized in the solution of all disease problems; that have staggered the intellect of all previous centuries.

The special virus produced by pathologic vital action with contagious disease—when bottled up by a micro-organism;—gives it a longer existence and thus a greater possibility of being conveyed to a second human organism.

The microbe, however, is an adventitious creation of no harm to the organism in which it is constructed—as previously mentioned. But may constitute an invading foe to a second human organism when constructed of

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virus, in being a carrier of the cause of disease.

The organizing of the virus—the construction of the microbe, does not increase or contribute to a greater degree of virulency. And such micro-organism is more beneficial than otherwise; the virus being less injurious in such form and is more easily eliminated.

Distinguished authorities often obscure a clear idea of a scientific problem, as the language of Professor Virchow will illustrate:

“The most powerful microscopes that can be made seem now to be in use, yet we cannot see enough. If we were able to look deeper into the little lump of protoplasmic jelly from which all life springs, we might at once solve the whole mystery of life. In my ‘Cellular Pathology’ I have tried to point out that all life springs from a cell.”

This language is seriously misleading, it does not fit the facts of the situation. It gives expectancy to a wrong direction of research for the solving of the many life problems. And also closes the door to the avenue that leads to the open field where life mysteries may be better explained, in a recognition of the coöperative plan of the composite vital

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energies. This language persuades to the expectancy that the microscope—not the mind—is the instrument that reveals to the comprehension the mysteries of life.

The cell is a material, visible with the microscope. The “life-power mystery” not being material, is a situation for mind recognition.

“All life does not spring from a cell.” But all animal forms “spring from cells.” The life power constructs the cells. The special cell may perish, while the life power continues to construct other cells from “protoplasmic,” material—if that is the word.

The language of the quotation in the words, “that life springs from a cell.” That a power is evolved by a cell—an energy set free, that executes the operative mysteries of life; is precisely what is said of the ability delegated to the cell micro-organism,—the microbe. While it is the invisible life power that constructs the cells and build organisms. A power recognized by its operative results.

There is some nice thought work that should be presented respecting “cell therapy” in the function of “cell tonics” and “powerful cell action” of modern discovery; requiring a

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relegation to its legitimate place among the affairs of life, but not of practical utility of mention at this time.

The language "protoplasmic jelly" as used by Professor Virchow, in which material he observed the growth of cells is not correctly applicable in the representing of the situation. It is not possible to comprehend the existence of organizable material in readiness,—awaiting to be made into cells.

The language conceals the correct idea. The situation of material and its relations with the *powers*, that give it both a different position—and condition; can be more nearly approximated in the recognition.

First, that the power of gravitation will move all material. Second, that chemical powers will also act and combine all kinds of material, giving existence to a great variety of chemical compounds.

Third, the life power of the vegetable kingdom can use ultimate elements, more or less; and chemical compounds; as food material for the construction of plant organizations.

Fourth, the animal life powers cannot use ultimate elements and chemical compounds. Cannot assimilate such material for the con-

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struction of animal organisms, and endow it with animal life properties.

Thus all material that is used as food for the construction of animal organisms must first be lifted up by the vegetable life powers; and be organized in cell structures that constitute the vegetable kingdom: Before the animal life powers can use the material for the building of animal organisms. While the material of one animal, may be food material for other animals,—but all food material for animal life use must first pass through the vegetable kingdom; must first be organized by vegetable life powers.

Thus there may be recognized a wise provision,—that many animals and the human race; may find nutrient material supplied in both the vegetable and animal kingdoms.

The material cells of vegetable life power construction, are not transferred and used as cells, in the building of animal organisms. But the material of vegetable life power construction before disintegration and chemical action takes place; may be used by the animal life powers for the construction of animal life cells, in the building of animal organisms.

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When both vegetable and animal life cells break down—disintegrate—the cell material is then returned to the custody of the chemical powers; that rearrange such material and again prepare it for use as food material for plant organization.

Such seems to be the operative method in the lifting up of material from its elementary condition into a more complex existence by the chemical forces. And again used by the vegetable and animal life powers,—which process is continually being repeated.

Such interpretation of the situation provides intelligent protection against resort to the use of chemical compounds alleged to be food material; that are being sold over the counter with the assurance that they will contribute to the support of the structures of the human organism.

I will now call attention to an authority more personal,—who has given to the world his interpretation of the microbe situation.

T. Clifford Allbutt, M. D., Regius Professor of Physics, Cambridge University, England, delivered a lecture before the John Hopkins University, Oct. 17, 1898, at which time he stated:

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“The microbe makes attack on the human organism, and creates a special virus, that acts and produces disease peculiar to that form of microbe. And also sets free an energy, healthy or unhealthy, and from experience and observation, we find this reserve energy of the body in its various parts to be enormous.”

There has been no different interpretation of record of the situation since that date, and appearances still continue to support the conclusion; that the microbe is an engine of power—or natural storage battery, that liberates “energy” from time to time that is applicable for the operating of the machinery of human life in the presenting of both health and disease phenomena.

Professor Allbutt, like thousands of other distinguished authorities, is a victim of fallacious education. He has mistaken the function of involuntary life power, exercised from relations of cause of disturbance; as being an “energy” set free by the microbe.

It is generally anticipated that sooner or later great practical utility will be found in the discovery of the kind of microbe that is on the rampage. But thus far, however, it has not been determined with certainty—what to do next.

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Yet so far as microbe science has advanced, the best thing now known is to make a record of the discovery; with a general description and select an appropriate name that will go into history for the benefit of the coming generation. But after the discovery and affixing of name, and making the record; we are not out of the woods, our troubles are not mitigated. For it has been ascertained that it is not possible to paralyze the microbe without first killing the individual in whose insides the alleged conflict is raging.

While at the same time, the importance of being able to distinguish one kind of microbe power from that of the other species; has its unknown value and is of great satisfaction. And a reward of many thousand dollars has been thrust upon the physician or microscopist, who discovered the special form of microbe in association with scarlet fever; which was paid by one of our American multi millionaires whose first name is John. But we are still confronted with equal trouble—as of the more early situation.

The special microbe has been discovered and on record, and has a name provided and

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there we are. And what to do next, is in the hands of microbe experts to determine. That is, how best to put a quietus on such microbe, without first sacrificing the life of those persons who are in the turmoil of conflict with such alleged engine of power.

But original ideas often afford relief and the consensus of the committee's conclusion is, that Nature has provided some means that may be effectual for their extermination. It has been suggested that human ingenuity may so differentiate their individual proclivities as to get them to fighting among themselves, in illustration that science is equal to the emergency.

Thus the mention of the microbe race may pass into history among the recorded list of extinct creations,—the most fierce of all. And of microscopic discovery in this twentieth century, of an engine of various powers that attacks and destroys the human organism.

In more candid view the situation is of serious consideration; this microbe insanity—that is the word—has inflicted such injury to the human mind, in the disturbing of the reasoning powers; that it may be advisable

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to approach the situation from a different point of view in aid of correction. The microbe infliction has got such a hold on the mind that should a writer on the subject of disease, fail to mention germs or microbes and thus show his loyalty to the faith; he is liable to be adjudged a back number.

Many people have been pronounced insane by the more reflective mind and committed to retreats for the safety of such persons; who have made no more exhibit of unbalanced mind—than is now prevailing; in the recognition that microbe is an engine of power.

Rational reason is the foundation for national prosperity, and it may be well to go back to the beginning of things for the adjustment of the misunderstanding; in the recognition that our medical science education has come down to us as a tradition. That is, the science feature—the nature of things,—is accepted to-day in precisely the same idea; that was entertained by the ancient mind one thousand years ago.

And no examination has been made to correct the idea—in fact, it has not been recognized that the idea required correction, as

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then entertained. That is, that powers—not vital energies,—may act and operate the machinery of life. In other words, that a material cause of life power disturbance; has a power or “active principle”—in itself; that acts and presents the disturbance.

All succeeding generations for this long period of time, appear to be satisfied with the intellectual proficiency of the early mind, too present a correct interpretation of the nature of things.

The existing educational infliction constitutes a calamitous situation that is seriously—and unconsciously, endangering the lives of the people; and some measures must be adopted to protect the welfare of our nation. And be so presented in gradual approach that it will carry conviction and comprehension of the correct nature of things.

The secret of success is not found in laborious mind exercise; but is quite easy when we get our minds pointed in the right direction.

Thus should we analyze the Universe to discover its essential constituents. We find it to consist of material and power, technically called force. The divisions of force

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each perform a function of their own kind of duty. Neither division can perform the labor assigned to any other department.

Material is one constituent of the Universe, and power the other. Material don't generate power; but power is manifested through material—by material,—in both grand divisions of force—the physical and life powers.

Thus the microbe as a material—cannot generate energy. And being an aggregation of a few cells—without organs; can exercise neither voluntary nor involuntary powers. Consequently, can have no operative energy or power ability of any kind. Circumstantial facts alone, being sufficient to define the microbe relation.

Thus the microbe relation to the human organism is not one of "energy," but a situation of *quality* of material. As mentioned in the few words by Professor Virchow,—which suggestion is entirely ignored; through the persistency of a fallacious education that gives support to conclusions.

Education should be so directed that it may recognize the distinction between an alleged microbe "energy," and the *quality* of the ma-

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terial from which the microbe is constructed. Which irritant quality relates the microbe to the human organism in being a cause of disease.

The distinction in the quality of the material of which the microbe is constructed, in being a cause of disease; is precisely like the distinction between the material from which the domestic turkey and the turkey buzzard is constructed.

The material cause of disease, is always implied in the *quality* of the material. That is, whether it be irritable or "inert"—harmless.

Filth material, organized or unorganized, is a cause of disease. Pathologic virus is a cause of disease, whether it exist as a micro-organism—a "germ",—or be it strained from such organism. It is the irritant quality of the material, organized—or unorganized, that constitutes the cause. The great important fact to be ever recognized.

All causes of disease, cause irritable sensation—irritability. They have no other kind of relation to the human organism. See chapter, "Causes of Disease." Therefore, the microbe can have no different relation as a cause of disease,—unlike other causes of disease;

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and its "Virulency is in the quality of the material from which it is constructed."—Virchow.

Practical facts as with the small pox illustration, and the operative law of the relations of cause and effect; as provided in the operative fundamental principles of human life science. Will reveal to the comprehension—that the "germ theory" of disease as now accepted; is the most gigantic delusion of modern infliction of mid-air contortion that ever took possession of a rational mind.

But why is such delusion made possible—in this twentieth century age of intelligence?

Simply for two reasons. First, the cultured mind has long been the victim of a fallacious education respecting the nature of things—in equal contradiction; as with the Ptolmaic interpretation of the solar system problem.

Second, there has never been revealed to the comprehension the operative plan of the vital energy—the life power. The only power provided for the operating of the living human organism, for the presenting of the conditions of both health and disease; and operative sequences from medicinal relations. The postponed problem.

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This problem, however, of recent date has received some attention; and I find among the public records of events that I have a rival claimant in discovery of the "secret of vital force."

Thus it may be possible that a committee of scientists may be required to determine, "who gets there first." Determine which interpretation of the situation, can be verified from the records and methods of Nature.

The rival discoverer is Professor Loeb, then of the Chicago University, who announced in January, 1902, the result of his research at the United States Government Experiment station at Wood's Holl, Mass., of his "discovery of the secret of vital force."

The incident of discovery is described in the following language:

"I very early came to the belief that the forces which rule the realm of living things are no other than those which we know in the inanimate world."

"I experimented with pieces of muscle and with live sea animals of the lower order. I put a jelly-fish in contact with a solution of electrically charged substance, and muscular action followed. The electrical charges in the atoms of the bodily tissues are responsible for all the active phenomena of life. In other words, electricity is the basis of life.

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“It was clear to me now that the beat of the heart is not due to some mysterious influence of the still more mysterious nerves, as had long been supposed. It comes from the presence or absence of a minute quantity of certain salts. The new chemistry stepped in to show precisely how these may act. We shall consider living organisms as chemical machines.”

It will be observed in this quotation that there is illustrated the same problem already considered; with the relations of cause and effect,—as expressed by the operative involuntary life power.

The electricity like other means, merely caused irritable sensation. The jelly-fish muscles already loaded with life power, exercised motion in response to irritation. Similar to the laboratory experiment with the fish that flopped out of the spider.

Thus it would be equally as consistent to infer, that a hot spider was “the basis of life.”

Here is this one fact to be recognized, as before mentioned; that all distinguished authorities, in their rendering of a solution of human life problems; have ever failed to give credit to an existing involuntary life power.

Whenever any power function is a factor of a life problem, it is recognized as a power

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from some other source and kind,—not vital power. That is credited with the execution of the power feature of the situation.

With the problem of human life science, there is something more than intellectual pride to be considered. It does not concern the medical profession alone, but the laity whose lives are entrusted to the custody of the physician for the management of disease—that are in jeopardy; and that have the largest life interest in this problem.

They are entitled to a better protection than is afforded in the existing education of alleged medical science of today. An education persuading to an expectancy that the human organism may be the recipient of supplementary power. A power that may be introduced from without—in the name of “active medical principle.” That will contribute support to the human organism in conditions of weariness and debility.

In the U. S. Dispensatory of not long ago, could be found the statement; that alcohol gave strength to muscles. All branches of natural science have two kinds of facts to be considered. Material facts that the eye may perceive, and the functional operative power

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facts; that the mind may recognize and demonstrate by the result.

The educational situation of human life science, is of serious consideration. And in illustration should the astronomer who accepted the interpretation that the sun revolved around the earth, be requested to calculate the time of a total eclipse of the sun; what area, and what location would the earth be deprived of the sun's rays.

He being ignorant of the operative plan of this branch of natural science; would utterly fail in the effecting of the solution.

And when one accepts the idea—in accordance with the existing education, that material medicine has a power—an “active medical principle,”—thus giving credit to an erroneous *source* from which an operative power is derived; and who is without comprehension of the working plan of the life powers, and their operative relations with cause and effect.

Such person would be seriously handicapped in his ability to recognize, and take advantage of fleeting opportunities for the preservation of human life.

And while not recognizing the attending disadvantage, it would afford an illustration

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of a situation, where ignorance is bliss. Thus no regrets would be entertained by one party; and none possible by the other.

A person without knowledge of arithmetic, would be laboring at great disadvantage in the adjusting of financial accounts.

It is imperative in aid of human life preservation that those who seek to manage disease, shall become familiar with the laws of the composite coöperative vital powers that present the disturbance they are required to control; and with knowledge of how to take advantage of the possibilities that are being presented for a more successful management and conformity to the relations of cause and effect.

There is provided in every branch of natural science a foundation plan contributing to the solution and management of affairs that pertain to each special department; that require to be correctly understood.

The possibility of solution of solar system problems was dependent on the correctness of the interpretation of the nature of things as discovered by Copernicus, Kepler and others. And there is provided of equal com-

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prehension, certain laws of the operative life powers contributing to the most successful management of disease, revealed in the composite coöperative vital energy in this branch of natural science.

The coöperation of human life powers is a new idea. An idea that has never been examined, which opens up to view a new chapter in the events of the Universe. The most profound problems of human life incidents are susceptible of solution and comprehension through the functions of the recognized distinct life powers and their coöperation.

CHAPTER TWELVE

Conscious and Subconscious Mind

MANY of the long concealed mysteries of life seem to be amenable to comprehension when we recognize the fact that human life power is manifested as a composite agency—that coöperates. Thus when we understand the kind of life work that is performed by each division, and their coöperate function; it is both apparent and of possible demonstration, that the key, that unlocks many mysteries are revealed through the complex function of coöperation.

In a previous statement mention is made that active disease which is the same kind of incident,—as involuntary pathologic vital action; is presented by the coöperation of the sensation, with the contractility—the motion division.

There is also a different coöperation with the same result but of no special practical value, yet of scientific interest; that may be recognized. That is, the mind with some peo-

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ple can produce sensation of such quality as to be succeeded with an involuntary life act, which illustrates the possibility, of a different coöperation that will develop motion.

Such incident is illustrated in the fact that with some people when being told that they have been given an emetic by mistake; nausea may be developed and thus occasion the person to vomit. And it is also possible with those who are susceptible to hypnotic influence.

It is important to fix in the mind that we must depend on the coöperation of life powers, to enable us to account for many incidents of mystery. There is an incident of alleged "miracle" on record that has been attended with some question whether it be real or "faked." In the "fire walk" that is practiced in some countries, of walking with bare feet over beds of red hot stones without apparent injury.

Prof. S. P. Langley, of the Smithsonian Institute, has witnessed such incident in Tahiti. His explanation of such exhibition—without apparent injury; was in part, that the volcanic stones used; being a vesicular basalt of poor conducting property, together with tough

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soles of the feet, would take the "miracle" out of the incident.

While miracles are not produced to order, yet with such feat, there is a scientific principle to be considered. Thus to have exhibit of injury from heat; there must exist in a normal condition the function of sensation. That must first become irritated from the heat, to make it possible to show injury from vital disturbance, from the contact with hot stones.

But provided that it is possible, which is true with some people; of effecting a temporary abrogation of the function of sensation by self hypnotism. The sensation then being paralyzed, as would be from chloroform; there could be no experience of pain; no evidence of disturbance from heat as a vital act. The operative life function between cause and effect being inoperative.

Consequently, the only result from the heat, would be like the cooking of meat and the brief time would not permit such effect to be produced. The revelations of science are of serious injury to miracles.

Not only is it revealed that the different divisions of life and mind power coöperate; but that such divisions may also progress in

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ability to express a greater proficiency of their own kind of special function.

In fact, there is something wonderful to be recognized in the additions of peculiar function to the mind division of human life ability.

Three of the special divisions of powers are susceptible of much cultivation with all people; while with some people, to a remarkable degree.

It is often said that poets are born—not made. This idea is applicable in many directions. That is, many people have born qualities that admit of cultivation making it possible for them to easily accomplish many things that are totally impossible with others.

For instance, muscular power, music, mathematics, art, foresight that insures financial success, managing ability, that far exceeds the possibility of the many with all available possible culture.

The human mind may be endowed with born qualities, that are susceptible of a culture accomplishment; making it possible to execute feats that far exceed the limit of measurement by the comprehension.

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Fifty years ago it would have been difficult for one to accept the possibilities revealed by the telephone, talking machine, wireless telegraph and airships.

And to-day, it may be difficult to anticipate, or even accept the possibilities of an alleged mind function; that may be revealed through an additional born quality that is manifested in the name of subconscious mind. That is, a mind function that can execute feats that are totally unlike in many instances; and beyond the comprehension of the conscious mind.

The subconscious mind functions of the living human organism may execute feats that so far exceed belief and comprehension; that some people give credit to the "Evil One," as being responsible for the incident. In fact, it has ever been acceptable to charge up the mysteries of "occult" powers to this imaginary personage. While others accept the later interpretation,—that it is the dissociate mind that has returned from the unexplored region; and is revealing intelligence acquired in the alleged open field of universal knowledge.

It will, however, be recognized in due

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time that it is the function of the subconscious mind, still in association with the material living human organism. Not the dissociate mind—the “spirit” mind; that is manifesting the “occult” phenomena that has long engaged the attention of the most profound thinkers. A phenomena that has intelligence behind the incident.

In the making of approach in recognition of the situation of what may constitute an exhibition of subconscious mind function; there is the dream mind phenomena to be recognized, which at first suggestion does not inspire much importance. “It is nothing but a dream.”

But the strangeness of the situation in the fact that the dream mind may execute a function, independent of the wakeful conscious mind. While the wakeful mind may often recall the visions and the thought experience of the dream mind.

The dream mind will often reveal intelligence that the wakeful mind could not grasp. It often sees things correctly, discovers articles miles away. Such feats constitute indications that some peculiar quality of mind function awaits development and rec-

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ognition.

The dream feats are entitled to more than a passing notice—to be mentioned in the morning at the breakfast table. The dream mind furnishes the wakeful mind with something profound to think about. It is this feature of subconscious mind possibility; that is being investigated in the name of psychic research. That is, phenomena with an intelligence behind it, of super-added possibility; that far exceeds the function of the conscious mind.

In the making of research; provided that it is possible to imitate the environment of the dream mind. That is, possible to eliminate the conscious wakeful mind function, —make it passive; as in conditions of sleep. May it not be possible for this quality called dream mind; to execute similar dream mind function, when the conscious mind is awake.

Now provided this can be effected, which is possible; the conscious wakeful mind, at this time; may take cognizance of the dream mind experience. That is, see the dream mind pictures, similar to the dream mind function that we recall later at the breakfast table.

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The conscious mind requires some special environment to enable it to think. And the subconscious, must also have its special environment; which is a problem far from being clearly understood. As the situation now exists, a special environment is now and then provided; which precise requirement the conscious mind finds difficult to comprehend.

Yet we have before us the one scientific fact—that whatever is revealed; must come through the coöperation of the two mind divisions. The conscious and subconscious. Thus how to provide the essential environment, may be very difficult to explain.

But after making numerous experiments, I found it possible to effect such coöperation—as would enable my conscious mind, when awake;—to see the similar dream mind visions of sleep.

Producing clearly outlined scenes, landscapes, marching armies, cavalry passing in review, hideous pictures, faces and forms of people with that equal clearness, as with dream mind phenomena. But it was required that my eyes remain closed.

I could describe to a second person the succeeding views that were being present-

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ed; and from thought suggestion, could dictate the general character of the scenes to be presented. But when opening my eyes, the phenomena would cease; and when again closed would be repeated.

On a few occasions I was able with my eyes open, and by daylight to see animal forms; but not human faces. Even with the eyes open it is not really a vision with the physical eye, no more than is the dream vision of sleep.

Much research has been made by many to provide for the presentation of various kinds of strange phenomena; that may reveal to their satisfaction, the acceptable evidence of return of the "spirit" mind.

But from my standpoint of conclusion, persuaded by the results of my research, with the investigation of human life problems; it appears without doubt, that the subconscious mind function has been mistaken for the return of the "spirit" mind.

Herbert Spencer made the statement: "That the nature of things has never been correctly interpreted in the first attempt."

In order to bring out clearly to the comprehension the kind of feats performed,

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that are executed in an illustration of a function of the subconscious mind, I will mention, that a young lady who was engaged in art study—in painting, repeatedly got up in her sleep in the darkness of night and executed nice work on the canvas,—equal to the day work with the conscious mind.

Such similar instances are on record by the hundred, that are well substantiated. And such similar feats are often given interpretation, as being the function of a “spirit,” —“spirit” painting, in a condition of “trance.”

When it is alleged, that the “spirit” uses the hand of the “trance medium” in the execution of the feat. When an individual gets up in the night, climbs ladders, walks around near the eaves of high buildings; they are guided by the subconscious mind. Which acts are represented as being feats of somnambulism.

The fact to be recognized, is that the subconscious mind may operate the human organism; similar in many instances, as with the operative ability of the conscious mind. And the subconscious mind can think and express intelligence of certain kinds,—that is often

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superior to the conscious mind ability.

This function is for a purpose, and when we learn how to harness this ability, it may be found to be a very advantageous super-added quality. The function of reason, is also a provided quality of the mind of great utility. While even in this twentieth century, it is but little used often times in the persuading to a conclusion.

The subconscious mind may execute feats of which the conscious mind may be totally oblivious. And also may execute feats, when the conscious mind of the same individual—like the mind of a second person; may be an observer of the incident.

It is my purpose to show that it is more in harmony with the nature of things,—that we do know. To accept that it is the function of the subconscious mind of the living; that is executing the strange phenomena. That is being accepted by one and one-half million of people as being executed and presented by the dissociate mind of a returned “spirit.”

The alleged “spirit” phenomena has long been presented for consideration without discovery of recognized premises of a scientific foundation; that would afford a different ex-

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planation of the mystery.

The situation has been disposed of in—a belief or a disbelief; and often regarded by many as being as an imposition on a credulous people. And while some fraud may frequently take part in such manifestation, a large proportion of the phenomena is entitled to acceptance, as being a wonderful revelation; even when measured by the existing recognized machinery of the science of life.

And it has long seemed to me that such phenomena was but a problem in the function of the living human organism, of the sub-conscious mind. And when the situation is understood and accepted, that the life power called vital force is a composite power; that is exercised in several divisions of different function,—that coöperate. And that some of those divisions are susceptible to an evolution of additional powers.

It may then be reasonable to anticipate that such phenomena may be understood and demonstrated; as being a manifestation by the sub-conscious mind function of the living.

Automatic writing, being one of the alleged functions of “spirit” power, I have sought to learn what were the possibilities of the sub-

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conscious mind; in being made applicable to the execution of such writing. And such kind of incident would be quite similar to the function exercised by the young lady, who executed painting on the canvas in the darkness of night.

Those incidents of automatic writing imply, that the subconscious mind uses the hand of the conscious mind; without the conscious mind taking part. While the conscious mind may witness the execution, as the mind of a second person may do.

Or, the conscious mind, as with the mind of the "medium" in a "trance" who is afforded environment for the exercise of the subconscious mind; may not be conscious of the transpiring incident.

After much training and research of this kind, and having developed the possibility of executing automatic writing, I have been afforded an opportunity to determine to a limited extent; what results may be obtained through the coöperation of the two divisions of mind function,—the conscious and subconscious. And I will briefly mention some of the experimental revelations.

First. The subconscious mind of person

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number one may use the muscles of number one in the execution of the writing; without the conscious mind of this person taking part. In the meantime, number one may observe the incident.

Second. The conscious mind of number one can suggest the subject; and communicate the idea to the subconscious mind of number one. And the idea will be expressed in writing by the subconscious mind of number one, using the hand of number one.

Third. The subconscious mind of number two may communicate intelligence in possession of the conscious mind of number two. To the subconscious mind of number one; who will use the hand of number one in the mention of the subject in writing.

And in the meantime the conscious mind of number two, may have entirely forgotten the incident and will marvel at the fact that such incident is mentioned in the communication. And such revelation frequently persuades to the acceptance, that a "spirit" mind has returned from the realms of universal knowledge; and makes this mention in proof of the possibility of return.

Fourth. The subconscious mind of num-

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ber two, apparently may communicate to subconscious mind number one. Facts that are known only to number three—who is not present. And the hand of number one will make mention in writing of the incident.

Fifth. In a crude illustration, it may be said that subconscious minds constitute signal stations, that may communicate intelligence from hilltop to hilltop, being received by a subconscious mind; that may reveal the intelligence to the conscious mind in writing.

But few people, however, are in readiness to accept such representation of possibility. But such events, from distances of hundreds of miles seem to be well verified.

It may be well to keep in mind that the subconscious personality,—or the alleged “spirit,” is totally unreliable as a guardian angel. The subconscious — like the conscious mind, may hold converse as with “trance” phenomena; and express its understanding of situations, names and events with similar unreliability as with such mention by the conscious mind of social qualities. It is said that there are “lying spirits,” but that is not the correct way to express the situation. The subconscious mind may be both

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consciously and unconsciously persuaded, from relations difficult to understand in full.

There are several words that come into the problems under consideration,—that are liable to occasion much confusion. Hypnotism somnambulism, trance, medium, catalepsy, psychic faculties and some others. All signify a condition contributing to an environment, affording possibility for the exercise of the subconscious mind functions; being conditions of existing abrogation of the conscious mind faculties.

In the place of automatic writing, automatic or “trance” speaking may be exercised, presenting similar communication. That is often given interpretation, as being a “spirit” communication through the instrumentality of a speaking “trance medium.”

The subconscious mind ability, is not an attachment dependent on a previous educational accomplishment. A young person or even an individual not distinguished for their literary attainments, may have a born quality that may exercise this mind function to a wonderful degree.

A child has been able to converse in a for-

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eign language, of which in their normal condition it was not possible to understand. The subconscious mind of one who could speak such language, would coöperate with such quality of the mind of the child; thus enabling the child to converse in an unknown tongue. That child being in a hypnotic condition.

A person having no knowledge of coöperative subconscious mind possibility; when witnessing such incident would be liable to experience an astonishment that would stagger their comprehension, and convert them to a belief in "spirit" communication.

This is a very large subject in which the possibility of presenting strange phenomena seems to be immeasurable. While it is my purpose to call attention only to a few incidents of such phenomena that may illustrate that such are problems in human life science; presented by the coöperative possibility of the two kinds of living mind function in association with the living human organism.

To what extent a cultivation of this faculty may reveal marvels, is yet to be determined. There has been manifested from time to

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time very wonderful phenomena; alleged to be presented by an "occult" power. And this power cannot be distinguished from the subconscious mind power. Those who accept that it is "spirits," have no occasion to investigate otherwise; than to afford possibility for the presenting of "manifestations." They are satisfied with the belief, and that terminates the thoughtful research.

While those who disbelieve—having no "theory", no hypothesis respecting the situation; thus find no encouragement for the making investigation. And the research has been indefinitely postponed.

The fact of existing strange phenomena with an intelligence behind, that guides the incident; has been accepted by a great multitude of intelligent people as being a function of the returned "spirit" mind.

Thus without knowledge of the coöperate function of composite mind powers; such conclusion is of reasonable acceptance.

And it being an established fact that such human life power has existence; thus unless it can be determined where the function of the subconscious mind ends, and the "spirit" mind begins; it will be difficult to perpetuate

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a belief in return of a "spirit" mind beyond the next generation with thoughtful persons.

This peculiar mind function is doubtless of some practical utility, when we learn how to take advantage of its possibilities. This occult phenomena is of unquestionable existence; and there seems to be only two alternatives for explanation. Either it is the "spirits," or a function of the subconscious mind of the living.

A critical examination of the alleged "spirit" return. Fails to satisfy the thoughtful mind of the many who find great inconsistency in the character of the phenomena. And the suggestion is certainly entitled to much consideration; whether an examination of the subconscious mind function, may not reveal a situation more in harmony with known possibilities and facts.

There are two kinds of phenomena that are beyond the limit of acceptance by many people as being genuine. That is, the moving of material without contact, and what is called "materialization." The presenting of human faces and forms.

Those who are not present, and are dis-

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believers in alleged "spirit" phenomena; consider all such phenomena as being some kind of a trick practiced on the credulous, who are not quite as brilliant as themselves.

It is true in many instances that fraud is responsible for the incident; but there is much that is genuine; that has been examined by able and honest men who have imposed conditions making it impossible for deception to be practiced.

Respecting the moving of material without contact, and in contradiction of all laws now understood; the idea that fraud is being practiced is a first conclusion,—yet so nicely done as to escape detection.

It is not consistent to infer that all investigators have been deceived; while the more satisfied competent, have not had the opportunity to show up the fraud.

There is a power in association with mineral matter called magnetism, that will move material without contact. That would be very mysterious were we less familiar with the fact. While it may be acceptable, that some power may be in association with living material under certain conditions that can execute a similar feat.

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This modern discovery of power that may move tables and chairs has an apparent guiding intelligence in association. But the question is, whether this power is exercised by the "spirit" mind—a "spirit" power. Or is it a subconscious mind power of the living human organism?

Provided the "dissociate" mind power can exercise such feats; it may then be as reasonable to infer, that the subconscious mind power of the living may execute similar feats.

Is it not as consistent to thus infer, as it would be to accept, that the dissociate mind has been given additional powers? We already know that the subconscious mind may execute strange moving feats with the living organism. And it is equally as consistent to accept that it may move a table without material contact; as to accept that the "dissociate" mind—only, has been given such ability.

The alleged fact has passed beyond controversy by those who are familiar with this class of phenomena; that material can be moved without contact by some kind of intelligent power; which has been accepted as a "spirit" power. While it is my contention that it is the subconscious mind power of the living or-

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ganism that is responsible for the incident; having much support in the known function of composite coöperative life powers. New facts are being presented awaiting explanation, and the world is in need of new ideas that may be verified.

The vital energy is a mysterious power. Yet when it becomes dissociate from a human body,—it is a strong conclusion to accept; that it may return and use the human organism of various people from time to time in the doing of worldly things. A living energy having existence—dissociate from material; is a difficult situation for the mind to grasp.

And while the science of human life as presented in the function of vital force has ever remained a postponed problem; there has been no alternative for explanation of such strange phenomena except that the “spirits” execute the feats.

My own experience in original research independent of all bias by my associates, has persuaded me to accept the conclusion that material things may be moved from place to place to a limited degree without physical contact, and guided by my own spoken suggestion. But a detailed mention of such inci-

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dents, however, is of no special value.

By permission, I have been admitted on several occasions to private "circles" where physical manifestations were on exhibition; alleged to be presented by "spirit" power.

By urgent request, I have been given permission to make experiment in my own way, in the claim, that the manifestations by the coöperation of my own mind, would be presented as I chose to dictate; as of mention in experiment number two with automatic writing. I was told that no one could "manage the spirits." But repeatedly the phenomena would be presented, that I had requested in spoken language.

I was then told that the results were due to the fact—of which I might be unconscious,—that I was the strongest "medium" present and had more influence over the "spirits."

For ten years I was a member of the Psychic Research Society of London, England, and the American branch. Thus had access to the private literature of the society, that afforded me opportunity to learn much about the mysterious phenomena that was being investigated.

The committee of investigations was with-

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out bias, and able to apply intelligence to their critical examination of the incidents. And from which records, I will relate the following:

Two gentlemen engaged in psychic research and having qualities that made them experts, at a fixed time, as noted in their memoranda; resolved to present a viridical ghost,—the ghost of the living Mr. ——— to a young lady who personally knew the gentleman. And who was very susceptible to the experience of seeing strange visions.

The young lady at the time was sitting in her room reading in open day, and some one-fourth of a mile distant. She made it the practice to make note in her memoranda of whatever visions were presented and also the time.

A few hours later the two gentlemen called and inquired if she had anything of interest to mention. She opened her note book and made exhibit of memoranda; that at the hour mentioned she had seen the ghost of Mr. ———, standing in her room.

The two gentlemen opened their note book, and made exhibit of their record; of similar hour and mention of their resolve to present

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the ghost of Mr. ———.

The many ghost faces and hands that are presented in association with "Cabinet Exhibitions" by the subconscious mind of the "medium," are not all of them "faked" demonstrations; while many exhibitions that are run on schedule time are often demonstrated—as being fraudulent.

But that such possibility really exists with the subconscious mind of some people, who are highly gifted with this function; to present a ghost face of the dead and also the living; yet conscious or unconscious of what they are doing will be accepted in due time.

The ghost of the gentleman seen by the young lady when reading in open day; was not a returned "spirit" ghost. See Hampton's Magazine, Jan., 1910—page 108. And learn how ghosts are made.

There has been much phenomena of the "ghost" kind presented; and it will be more acceptable, and more in harmony with the things we do know; to give credit to the subconscious mind rather than the dissociate "spirit" mind, for such "ghost" presentation.

The alleged "materialized" ghosts are not material of tangible recognition, no more than

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is the dream mind apparition. Strange facts come up for consideration; and it is more legitimate to make an examination, than to ignore them.

In the presenting of subconscious mind phenomena, there are certain conditions required, as between the hypnotizer and his subject. The conscious mind function must be abrogated to get the best results.

The dream mind visions, discoveries of articles, and the mention of incidents is in evidence of a quality and possibility of living mind function; that may operate independent of the conscious mind.

And to what extent the subconscious mind may execute feats and present wonderful phenomena, remains to be determined. The facts already verified transcend all belief by those who are not very familiar with such experience.

A distinguished and able member of the Psychic Research Society makes the statement, that only two incidents have come to his notice that could not be explained with his knowledge of the living powers.

While it is true, however, that many members have been converted to the acceptance of

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“spirit” communication; and possibly for the reason,—that with such investigation; they did not have the benefit of what is revealed through the operative plan of the composite coöperative vital powers. Which composite powers must be recognized as being responsible for the presenting of many mysterious incidents.

It has not been my purpose to discuss belief and faith; but to examine facts in a problem of natural science, presented without doubt in the functions of the coöperative life powers. There is an existing situation easily recognized of composite coöperative life powers; through which functions may be presented the alleged “spirit” phenomena.

That is, those coöperative powers present phenomena that is so similar to the alleged “spirit” manifestation; that it is difficult to escape the conclusion. That all such occult strange phenomena cannot be otherwise presented; than through such powers that are in association with the living human organism.

The possibilities of the subconscious mind function constitutes a new field for research,

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that will reveal wonderful results that far transcend the limit of our present belief and comprehension. In fact, the most wonderful presented in the Universe. At the present time the feats presented by "Eusapia Pallidino," are in illustration and exhibition of a great development of subconscious mind ability.

The late Dr. Andrew Jackson Davis, in 1850 and later, contributed much literature that astonished the world on subjects of which he knew little or nothing; through this quality of mind function that was largely persuasive at that time in the developing of belief of return of "spirit" mind.

There is something very fascinating in a belief that the mind feature of our personality when separated from the material organism—has passed through the open door into the field of alleged universal knowledge; where everything ever knowable may be revealed from a cursory glance of the "spirit" eye around the boundaries of the horizon of intelligence.

And where secrets can no longer remain hidden; and that we may come back and communicate with our friends.

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Who can present a more satisfactory interpretation in accord with human nature? There are numerous incidents and secrets in this life that have ever been difficult for the many to know much about. Thus great consolation would be afforded in having opportunity to examine the public records.

Returning to the subject of coöperative mind function; there is something quite wonderful to be considered that is presented in recognized facts.

Many years ago I became interested in what was then called "Mesmerism," taking such name from Anton Mesmer, who experimented with this quality of the mind that is now called hypnotism.

This name, however, is but a different word in representation of a feature or function of the subconscious mind, which hypnotic condition may variously—and also be self induced; having different qualities and capabilities in different organizations with a more or less temporary abrogation of the conscious mind.

At that time such experiments, were but incidents of curiosity without recognition of their scientific value. While later are now

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recognized as being of great importance in demonstration of the coöperative possibilities with the two kinds of mind function.

Various qualities and capabilities were found with different hypnotic subjects. With one, it would be possible to completely abrogate the conscious mind, and persuade much conversation similar as with the alleged "entranced medium."

And with some to induce cataleptic sleep with complete rigidity of the muscles of the extremities. While with a different organization the subject would maintain that they were in possession of every faculty of mind and body,—when in fact they had no control of voluntary muscles unless given permission. It being as much a confessed mystery to the subject as with the audience.

Such incidents could be largely multiplied, but are common events with the experience of all practitioners with hypnotic subjects. I make this mention, however, to illustrate the possibilities of coöperation with life and mind functions; that is seldom if ever considered from this standpoint of view.

At the time many of those experiments were made. I was residing in the City of

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New York, and received more or less invitations to give private and public exhibitions. And among the different persons susceptible to hypnotic influence, I found one young man who was amenable to mind suggestion. That is, who could speak my thoughts.

This kind of fact is very instructive, when compared with the more modern revelations of alleged "spirit communication."

I had frequently given such exhibition in the presence of a few friends, while later I was invited to give such entertainment to an audience of clergymen and their wives. For the test of the experiment it was proposed that a committee of three should propose an idea; for me to convey to the hypnotic subject—to talk about.

The committee retired and soon called me aside and instructed—that a handkerchief be placed on the knee of my hypnotic subject and he be requested—mentally, to talk about the article as if it were a child.

They all watched for a deaf and dumb communication, but my hands did not move and with my face turned away, I gave him the idea. And the young man took up the

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handkerchief, fondled it, talked to the article as a little girl would talk to a baby. Not a few words, but many, many.

I had then accomplished all that was promised, but continued the entertainment by changing the article in my mind to a cat.

My hypnotic subject threw the handkerchief on the floor, said it was a cat; kicked it about the room and exhibited his hands to those on the front seats, asking them to see where the cat had scratched him. I did not furnish the words—but the idea, the text.

Realizing that I was still master of the situation, the cat was mentally changed to a child again. The young man picked up the handkerchief, and called it his child, and begged the pardon of the child and also of the audience for his rude conduct,—and in such pathetic and emotional language, that tears came to the eyes of the ladies.

After a variety of additional hypnotic entertainment, the committee made report of their satisfaction with the test; but what might have been their private opinion I never knew. But a distinguished clergyman, not of the committee, arose and stated: "This young man has the power of Christ, or he is an im-

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postor. And if he has the power of Christ, he can make me do these things. And he cannot make me do such things; thus he is an imposter.”

I reminded him of the distinguished philosopher, who converted a horse-chestnut into a chestnut horse, claiming that the argument was equally appropriate, which appeared to appeal to the judgment of the audience, and the exercises closed without benediction.

The fact is to be ever recognized that human life power—the vital energy, is a composite agency and the several divisions of ultimate life powers—coöperate; thus affording possibility for the solution of many postponed problems.

Education—even when erroneous, is a powerful persuader. And it required a century of time to effect a change with the machinery of thought in the field of astronomic science; and recognize that the sun was the central orb of the solar system.

And we now have before us a similar problem of erroneous cultured idea of the nature of things; requiring the reading of the book of Nature anew. But with a more highly developed reasoning ability that will easily

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recognize that the operative plan of the life power; gives expression to the fundamental principles of human life science. Contributing to a solution and comprehension of all human life problems of disease and the sequences of medicinal relations.

Thus the thoughtful mind cannot escape recognition that the source of all "active principles" that may operate the living human organism, are vested in the function of the life power agency. Which change of idea in conformity to scientific fact; in elimination of the significance of the language—"active medical principle;" constitutes the practical science problem now awaiting examination at the beginning of the twentieth century.

This science problem like the one corrected by Copernicus and Galileo,—having its support in Nature's methods; only awaits an examination by the thoughtful reasoning mind for its comprehension and acceptance, in recognition of its solution of life problems and superior guide in the management of disease and preservation of human life.

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