

**CIHM
Microfiche
Series
(Monographs)**

**ICMH
Collection de
microfiches
(monographies)**



Canadian Institute for Historical Microreproductions / Institut canadien de microreproductions historiques

© 1997

Technical and Bibliographic Notes / Notes techniques et bibliographiques

The Institute has attempted to obtain the best original copy available for filming. Features of this copy which may be bibliographically unique, which may alter any of the images in the reproduction, or which may significantly change the usual method of filming, are checked below.

L'Institut a microfilmé le meilleur exemplaire qu'il lui a été possible de se procurer. Les détails de cet exemplaire qui sont peut-être uniques du point de vue bibliographique, qui peuvent modifier une image reproduite, ou qui peuvent exiger une modification dans la méthode normale de filmage sont indiqués ci-dessous.

Coloured covers/
Couverture de couleur

Covers damaged/
Couverture endommagée

Covers restored and/or laminated/
Couverture restaurée et/ou pelliculée

Cover title missing/
Le titre de couverture manque

Coloured maps/
Cartes géographiques en couleur

Coloured ink (i.e. other than blue or black)/
Encre de couleur (i.e. autre que bleue ou noire)

Coloured plates and/or illustrations/
Planches et/ou illustrations en couleur

Bound with other material/
Relié avec d'autres documents

Tight binding may cause shadows or distortion along interior margin/
La reliure serrée peut causer de l'ombre ou de la distorsion le long de la marge intérieure

Blank leaves added during restoration may appear within the text. Whenever possible, these have been omitted from filming/
Il se peut que certaines pages blanches ajoutées lors d'une restauration apparaissent dans le texte, mais, lorsque cela était possible, ces pages n'ont pas été filmées.

Coloured pages/
Pages de couleur

Pages damaged/
Pages endommagées

Pages restored and/or laminated/
Pages restaurées et/ou pelliculées

Pages discoloured, stained or foxed/
Pages décolorées, tachetées ou piquées

Pages detached/
Pages détachées

Showthrough/
Transparence

Quality of print varies/
Qualité inégale de l'impression

Continuous pagination/
Pagination continue

Includes index(es)/
Comprend un (des) index

Title on header taken from: /
Le titre de l'en-tête provient:

Title page of issue/
Page de titre de la livraison

Caption of issue/
Titre de départ de la livraison

Masthead/
Générique (périodiques) de la livraison

Additional comments: / There are creases in the middle of the pages.
Commentaires supplémentaires:

This item is filmed at the reduction ratio checked below/
Ce document est filmé au taux de réduction indiqué ci-dessous.

10x	14x	18x	22x	26x	30x
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12x	16x	20x	24x	28x	32x

The copy filmed here has been reproduced thanks to the generosity of:

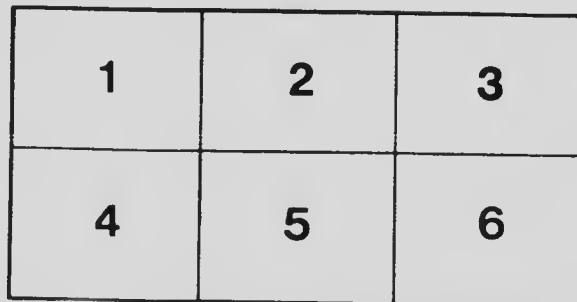
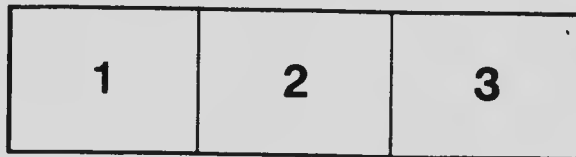
Thomas Fisher Rare Book Library,
University of Toronto Library

The images appearing here are the best quality possible considering the condition and legibility of the original copy and in keeping with the filming contract specifications.

Original copies in printed paper covers are filmed beginning with the front cover and ending on the last page with a printed or illustrated impression, or the back cover when appropriate. All other original copies are filmed beginning on the first page with a printed or illustrated impression, and ending on the last page with a printed or illustrated impression.

The last recorded frame on each microfiche shall contain the symbol \rightarrow (meaning "CONTINUED"), or the symbol ∇ (meaning "END"), whichever applies.

Maps, plates, charts, etc., may be filmed at different reduction ratios. Those too large to be entirely included in one exposure are filmed beginning in the upper left hand corner, left to right and top to bottom, as many frames as required. The following diagrams illustrate the method:



L'exemplaire filmé fut reproduit grâce à la générosité de:

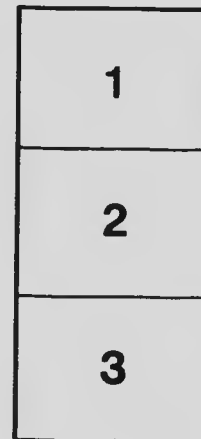
Thomas Fisher Rare Book Library,
University of Toronto Library

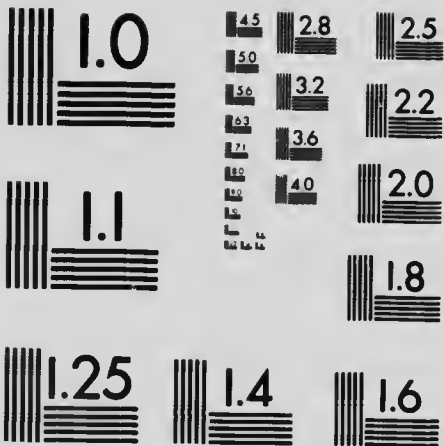
Les images suivantes ont été reproduites avec le plus grand soin, compte tenu de la condition et de la netteté de l'exemplaire filmé, et en conformité avec les conditions du contrat de filmage.

Les exemplaires originaux dont la couverture en papier est imprimée sont filmés en commençant par le premier plat et en terminant soit par la dernière page qui comporte une empreinte d'impression ou d'illustration, soit par le second plat, selon le cas. Tous les autres exemplaires originaux sont filmés en commençant par la première page qui comporte une empreinte d'impression ou d'illustration et en terminant par la dernière page qui comporte une telle empreinte.

Un des symboles suivants apparaîtra sur la dernière image de chaque microfiche, selon le cas: le symbole \rightarrow signifie "A SUIVRE", le symbole ∇ signifie "FIN".

Les cartes, planches, tableaux, etc., peuvent être filmés à des taux de réduction différents. Lorsque le document est trop grand pour être reproduit en un seul cliché, il est filmé à partir de l'angle supérieur gauche, de gauche à droite, et de haut en bas, en prenant le nombre d'images nécessaire. Les diagrammes suivants illustrent la méthode.





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)



Chiropractic

Written by

THE 'McLEANS'

D'Arcy B. McLean,
D.M. D.C. T.N.

Adele McLean
D. M. D.C. T.N.

Canadian Pioneer Chiropractors

Graduates Palmer School of
Chiropractic

Members Universal Chiropractors
Association

328 Palmerston Boulevard

TORONTO, - CANADA

Telephone College 5984

March, 1911

CHIROPRACTIC.

The Science of the Cause of Disease.

Chiropractic (ki-ro-prak-tik), from two Greek words, (Chier hand and Praxis, doing), (named so, by Rev. Samuel Reed, A.B. A.M., of Indiana University, and B.D., of the U.P. Theo-Seminary of the North-west), consists of the discovery of the result of an adjustment, given for deafness in 1895, by D. D. Palmer, of Davenport, Iowa, U.S.A., (born near Toronto, Ontario, Canada), and the development of a philosophy, science and art, by B. J. Palmer, of Davenport, Iowa, U.S.A., until it now holds first place in the scientific circles of adjustment to normal.

The Palmer's are of an ancient stock! The first Palmer—Sir Ralph Le Palmer, received a knighthood for brave deeds in Palestine. He spent his life in visiting holy shrines. Walter Palmer came over with the Pilgrims, in the May-Flower. Ulysses S. Grant, was a lineal descendant of Walter Palmer; representatives of the family in England are:—Sir Roundell Palmer, and Dr. Edward Palmer, Professor of Arabic at Cambridge, (one of the first Oriental Scholars in the world).

In America are: Mrs. Potter Palmer, a Social Leader, and one of the wealthiest women in Chicago. Dr. Daniel David Palmer, Discoverer of Chiropractic, and Dr. B. J. Palmer, Developer of Chiropractic Philosophy, Science and Art. One of the Palmer mottoes is, "Palman's qui, mernit, ferat;" Let him who has won it, bear the Palm!

Chiropractic is the first philosophy, which has for its basis the cause of disease, which has only now been discovered! In ancient times, we read of fathers coming home from work, and having the children walk up and down on their spinal columns. This we think, was a faint glimmering of our present science. The theory is now developed into a practical science, and is proving its truth. The one and only cause of disease, as decided by Chiropractors, is the interruption of the power which is trans-

formed in the brain, into a human electric current for the development of the body. This human electric current performs its functions, much in the same manner as the mechanical electric current does. Efferent nerves are conductors (cables) from the brain to tissue cell; afferent nerves carry impressions from tissue cell to brain cell; any interruption to the circuit of this power is bound to cause disease, in a greater or lesser degree, according to the magnitude of the interference. The nerves being made of soft material, must necessarily be pressed between two hard substances to interfere with their functions. In no other place can this condition be, save, in the intervertebral foramina of the spinal column or the other joints of the body.

The spinal column is a flexible column, and the main stay of the skeletal frame. The head and ribs are attached, and all combined, support the upper extremities. The Ossa Inominata, support the weight together with the bodies and articular processes of the vertebrae. The elastic cushions between the bodies of the vertebrae, allow all sorts of movements to a greater or lesser degree; all people do not seem to agree about this, tho', it would seem a self evident fact, since, because of this flexibility we are able to live and move and have our being. We have heard the opinion given by a student of Gray; "that the vertebrae are wide apart and immovable, and if anyone attempted to move them, it would cause insanity." A Chiropractor would laugh at this statement. Between the vertebrae are cunning little passages for nerves to pass to the organs of the body, dispensing motor power, secretion, excretion, repairing power, heat, etc.

The nerves originate in the brain, pass thro' the foramen magnum (an opening at the base of the occipital bone, at the base of the skull), forming the spinal cord; again they emit from the spinal cord thro' the foramina, between the vertebrae, carrying mental impulses of power, (motor, secretion, excretion, nutrition, heat, etc.) to each organ; according to the normal or abnormal transmission of this power is our health or disease. Certain

pressure on nerves by the vertebrae will increase, or decrease this flow of mental impulses from the brain. A slight pressure of a vertebra on a fibre or fibres of a nerve, makes an excessive vibration of the power in the nerve, which is being transmitted to tissue cell, and means undue heat, pain, cramps, etc.; heavier pressure results in inflammation; and heavy pressure means paralysis. Since every disease has its cause in an interrupted current from the brain, we have no need of symptoms to discover causes! We analyze the condition of the spine, and adjust the physical representative of the cause, which is a subluxation of a vertebra; thus avoiding treating effects.

To adjust means to fit.—We only fit the vertebra in its place, allow freedom to the power being transmitted thro' the nerve, and nature expresses herself in a normal condition, health!

Prescribing we do not do; for we believe, we cannot make any chemical, which would at all equal nature's chemical; tho' we tried all the drugs in the world known or unknown. Innate Intelligence uses more simple, normal, and less complicated measures. Operating for any, save, traumatic conditions is not according to our philosophy; since, it only means treating effects. Still, the cause produces more effects, after the first effects are cut away, and the last condition of that man is worse than the first; Since, he is minus his physical organ; and still the cause is there. And the dose must be repeated; ad Libitum. Chiropractors recognize an inherent power, which, for convenience sake, they call Innate, (born with). This power has to do with the inward physieal force; regulates heat, secretion, excretion, motor and repairing power, etc. The result of such power in its normal expression means growth and development. We are not only recognizing the expression of vital forces, but, the creation, transmisson and expression of vital powers; from the brain, conveyed thro' the nerves (cables), and used for physical needs, when it reaches the tissues. We have a brain system from which, all power is sent. A sympathetic nervous system we do not acknowledge. We believe in one master controller to one machine! So our brain system is

the manager of the intricate physical machine, we call the body. Electric power or mental impulses, or energy, or whatever you want to call the controlling force, comes from the source of all human power; a higher intelligence. Dr. Palmer has developed a normal cycle, showing the relationship between universal intelligence and the physical tissue. The following is the cycle, which takes you step by step from universal intelligence, (God) to the point where the power is generated and dispensed for the development of the body; and the impressions of normality or abnormality, are brought back to the brain; the cycle is:—

- I. Universal Intelligence—God the source of all power.
- II. Innate Intelligence—A ray of universal intelligence, individualized.
- III. Mental—The mind which controls.
- IV. Creation—When current is in condition to be made useful to the body.
- V. Brain Cell—Place where power is generated.
- VI. Transformation—When the current is made suitable for the bodies' needs.
- VII. Mental Impulse—The name of the current, which is transformed in the brain.
- VIII. Propulsion—When the mental impulse is sent thro' the efferent nerve.
- IX. Efferent Nerve—The cable thro' which the power is sent.
- X. Transmission—the act of sending current to tissue cell from the nerve cell.
- XI. Receptive Cell—Physical place where the power is received (The end of a nerve).
- XII. Reception—Act of accepting power from the brain.
- XIII. Physical Personification—When the mental is united with the physical.
- XIV. Expression—Result of mental and physical blending.
- XV. Function—Using the power sent.
- XVI. Co-ordination—Normal expression of power.

This is one half of the cycle, the return is:—

- I. Co-ordination—Health.
- II. Tissue Cell—The periphery of a nerve.
- III. Vibration—Action in tissue cell.
- IV. Impression—When mental impulses have been made physical and returned to brain tissue.
- V. Afferent Nerve—Conducting cable to brain.
- VI. Transmission of Vibration—When power is being carried to brain.
- VII. Brain Cell—Place where power is received.
- VIII. Reception—Act of receiving impressions at brain cell.
- IX. Mental—Mind.
- X. Mental Interpretation—When the impression sent from tissue cell is made plain in brain cell.
- XI. Sensation—Realization of message by mind.
- XII. Ideation—Forming message into condition for suitable expression.
- XIII. Innate Intelligence—Individualized Universal Intelligence.
- XIV. Intellectual Adaptation—Using the message for the benefit of the body.
- XV. Universal Intelligence—Blending of supreme intelligence and normal physical condition.

The blending of mental and physical, is the only way in which a person can realize natural laws; a lapsing from natural laws is the cause of all deformities; physical, mental and normal. The lack of realization of natural laws for the controlling of the body is the one evil. Our bodies are a vast intricate machine, in which every organ plays its separate, individual part, and lends its support to the whole machine. There is neither superfluity nor lack of organs. They are placed in the position which best suits the fulfillment of their work. They are perfectly planned and evenly balanced. Each one, when working normally, plays its necessary little or large part to the proper expression of the whole; not a bone or tissue, or gland, or joint, or hinge, or articulation must

be missing to complete the daily demand of power, for movement and thought, feeling and expression. There must be creation, which is always perfect; for does it not come from a supreme intelligence, which we all acknowledge. There must be perfect transmission of Creation; and here is where we are lacking. There must be a complete circuit of power in the body, before the transmission results in perfect expression; without perfect expression there can be neither health nor spirituality. The emanation from supreme intelligence comes to us; the mind recognizes it; our machinery is clogged, and there is an incomplete expression of the complete creation at tissue cell; the physical part suffers! For instance, the mind realizes that the proper working of the body requires certain foods in the stomach. The mind sends that impulse to the stomach to get that certain food. The impulse is not properly transmitted to the stomach, because the impulse going thro' the efficient nerve is prevented its full expression by a pressure of a vertebra on the nerve, which conducts power to the stomach. There is too much, or too little taken into the stomach, according to the pressure. The result is a lack of circuit of power, and a very abnormal expression of the stomach function; this especially applies to abnormal eating or drinking. A drunkard or cigarette smoker will soon abhor the thing which he before delighted in, as he is adjusted to normal. The proper mental impulses come and he cannot take abnormal things.

Chiropractors believe, that there are no blind ducts or entrances, without exits, in the exquisite work of the world's creator; that there is a perfect system of connecting channels and passages, for serum and oxygen, etc., which go to make up a perfect machine, perfectly expressed. There can be no normal, spiritual, or mental expression from an abnormal body.

A slight pressure of a vertebra on a nerve, will produce excessive power in an organ. For instance, if a nutritive fibre is impinged slightly, the power being transmitted, will vibrate, more quickly to gain freedom, and thus produce excessive nutrition to

the organ involved. If with this, a calorific fibre should be impinged, so, that the heat could not reach the organ, the excessive nutrition in the organ could not be assimilated. A slight pressure on the heat fibre of a nerve, would create excessive heat; lack of repairing power; and excessive heat and nutrition, would produce boils, ulcers, cancers, etc., according to the pressure on the nerve fibres.

In constipation, motor fibres leading to the walls of colon are under pressure. The flow of mental impulses is lessened, and bowels have not enough motor power to act. On the other side, the flow of mental impulses from brain to walls of colon is increased by slight pressure on motor nerve. The bowels have too much motion; result Diarrhœca.

The kidneys are like two sponges, which seep urea, and discharge Urine. If the fibres of the nerves, conducting power, secretion, excretion, nutrition, heat, etc., are pressed on lightly or heavily the various functions are deranged, and we have the kidney troubles; Dropsy, Bright's disease, Diabetes, etc., according to the degrees of pressure, and the fibres pressed.

Trophic nerve fibre impingements, result in excessive growths; a decrease in the supply of trophic current and an increase of heat impulses; with too small a supply of nutrition the tissues die. This condition with the addition of heat means decayed tissue—Decayed tissue is followed (not made) by microbes as scavengers to clear away the debris.

From trophic lobe in the brain; thro' trophic fibre to the body is transmitted, the kind of impulse which causes chemical changes to take place in the nutrition of the body; thus converting to cell tissue.

From calorific lobe, is sent energy or spark, thro' calorific fibre, to all parts of the body. This spark ignites oxygen, etc., with which it comes into contact; causing combustion, which results in heat for the body. In appendicitis the heat fibre is involved. A slight pressure makes pain; a heavy pressure results in paralysis, according to the varying degrees of pressure, is the disease.

The cause of a sub-luxation, or partial displacement of a vertebra, is a concussion of forces—A blow, fall, wrench, slip, twist, etc. Between the vertebrae of the spinal column are intervertebral disks, or pads on which the vertebrae rest; these pads are of fibro cartilage; by a blow or fall these vertebrae are pressed tightly together crushing the pad between them. In this way the cartilage becomes hardened, thin and inelastic. The vertebrae thus being pressed so closely together; close tighter than normal, the passages for nerves, which are between the vertebrae. As the nerves are pressed upon, they cannot give their proper supply of nutrition, heat, power, secretion, etc.; so we shrink and wither—wither and shrink and die of pains, aches, chills, etc. When keeping the spine in limber, flexible form, we would avoid the ills, (dis-eases) which flesh has made itself heir to. A man was made whole from insanity, lately, by a violent blow, administered by his keeper at the side and back of the head. That keeper accidentally adjusted the atlas bone to its normal bed; thus making the opening for nerves large enough to emit the proper repairing impulse from educated brain to the body. Insanity is of two kinds, mental insanity and physical insanity. The innate (the force which governs the movement of the heart, digestion, etc.), will express itself without our aid, but the impulses from our educated brain to the body can be interrupted by a subluxation of a vertebra. This is what Chiropractors call physical insanity; Palsy would come under this head. Mental insanity would come from an impingement of a nerve preventing the proper current for the repairing of brain tissue; from innate brain to educated brain. In physical insanity, the educated brain is not controlling voluntary muscles. Chiropractors are constantly restoring the insane to normal, on this principle. It has been demonstrated very forcibly in Canada, as well as in every state of the U.S.A..

A blind man, who died of fever, had his sight restored to him before death. There is a natural explanation for this. The vibration of a nerve, which was carrying excessive heat to the body, because of a subluxation of a vertebra; adjusted the bone, which

was impinging on the nerve, which should carry power to the eyes, these vertebrae being in juxtaposition. Thus the current flowed in its proper channels to the eyes, and sight was the instant result. Had the bone, which was pressing on the nerve, which carried excessive heat to the body, been also adjusted, he would have been completely restored by a proper transmission from brain to tissue.

The Chiropractors just adjust the bone, and Innate Intelligence with her wonderful building, repairing, rallying power, brings the tissues to their proper tonicity; and harmony is restored between universal intelligence and physical tissue; the foramina between the vertebrae are open enough for the normal passage of nerves; and the energy is transmitted from brain to body. The adjustment is done by a quick, sharp, scientific movement of the vertebrae, by hand, to induce it to make a vibration towards the central place, where it originally belonged. If this movement, which we call adjustment is properly performed, the bone will move a little at a time (in chronic cases), the power in the nerve will be released and will vibrate the bone into normal place. The full current will be turned on; like an electric light; the muscles will be repaired and recover their proper tonicity; and the intelligence has the curing in her own hands. So, we believe, from constant successful practice that the lack of, or excessive power transmitted from the brain to tissue, is the sole and only cause of disease. In acute cases, the current can easily be turned on in two or three adjustments, according to the injury done to nerve tissue, intervertebral fibro cartilage, and the region involved. The curves of Scholiosis, Kyphosis, Lordosis, mean abnormally shaped vertebrae, and of course take time for movement and repairing, but can be made normal. Then there are fractures, exostosis, ankyloses, and carious vertebrae, which require skilled fingers for palpation; and normal brains for adjustments. Palpation is the art of discovering the position and condition (whether protruding to right or left, superior or inferior, posterior or anterior; ankylosed or fractured osteo-malacia or carries), of the vertebrae in the spinal

column. A good palpator can easily discover, in which organ the lack of, or excessive current is; thereby going directly to the cause. If he is a graduate of the Palmer School he has handled almost every species of abnormal bone to be had, from the world supply, and knows every slightest indenture, groove or hollow. He has been drilled until he considers a normal bone and a normal body; a thing of beauty and a joy forever. Its price is above rubies.

We do not dissect in our Chiropractic School, because we believe, that the instant supreme intelligence deems the body, too abnormal to live in. She, (our innate power) leaves the body, and the collapse of the abnormal tissues is so great that the position of the organs is out of all comparison, with the living, vibrating tissue. So, we trace nerves in the living body, from the spinal column to the physical organ, or from the organ to the spine. We have no difficulty in locating the cause, as the nerve from its emanation, from the foramina between the vertebrae will be tender to the touch, all the way to the organ.

The School from which we were graduated, is in Davenport, Iowa, U.S.A. It is the Fountain Head of Chiropractic Philosophy, Science and Art; equipped with the most perfect collection of abnormal bones. There, you will find the most careful logical teaching (inductive and deductive). The ability of the Faculty (B. J. Palmer, D.C.P.H.C., Developer of Chiropractic Philosophy, Science and Art. Author of five volumes of Chiropractic; manager of Chiropractic Magazine. President of Palmer School.

M. P. Brown, M.D., D.C., Editor, Chiropractic Magazine; Director, afternoon Clinic, P.S.C. Registrar. M. H. Palmer, D.C., Prof. of Anatomy, Clerk of evening Clinic. T. J. Owens, D.C., Assistant Editor, Chiropractic Magazine; Business Manager; Corresponding Secretary. C. R. McAdams, D.C., Department of Nerve Tracing; Director of evening Clinic; Assistant, afternoon Clinic. J. H. Wishart, D.C., Department of Palpation; Assistant afternoon Clinic. Elizabeth Heath, Clerk of afternoon Clinic; P.S.C. Cashier.—Is not questioned by those who attend the P.S.C.

The open Clinic is the largest known, being 600 patients a day. The loyalty of the P.S.C. students to their Alma Mater and their Universal Chiropractor's Association is proverbial. Diseases we do not consider contagious or infectious. Each person has his disease, because of lack of, or excessive electricity from his brain to his body; caused by a vertebra pressing on a certain nerve, as the pressure is, so is the disease.

The vertebrae concerned, is adjusted, there can be no contagion of that disease. This to us would explain, why one person in a family would escape a fever or small-pox, while the other members do not escape. So we say, that a normal spine means freedom from disease; criminal desires; abnormal tastes; imperfect spirituality, in that a normal person will be one with natural laws; because natural laws will be transmitted thro' him, when his vertebrae are in a proper position for the nerves to perform their functions. Artificial laws will not be needed for the Greeks say:—"The Gods are to those who seek a happy moderation."

THE McLEAN'S,

Chiropractors.

