

resources of our affiliated associations also which are at present handicapped for want of funds to carry out their anti-tuberculosis schemes. In order to achieve concrete success in this work, the Tuberculosis Association of India and its affiliated Associations in the States have to carry out intensive propaganda and tell the people how the purchase of say one seal will contribute to the general anti-tuberculosis fund to be utilised to fight tuberculosis. Effective and co-ordinated publicity is therefore an essential prerequisite of the campaign, which is meant to see that the message that tuberculosis can and must be controlled permeates every home in India. To achieve this end, the Tuberculosis Association of India seeks your assistance. We shall feel very much obliged if you will kindly donate us one or more advertisement spaces in your esteemed newspaper for our publicity work.

We confidently look forward to your co-operation in the campaign against tuberculosis and hope to receive from you a substantial space donation for this humanitarian cause.

T. S. NAYAR.  
Officer on Special Duty

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### IS MATERIA MEDICA BASED ON MODERN PHYSICS ?

C. P. BRYANT, M.D.

According to the Bell Telephone Laboratories, every human being has a fundamental resonant frequency, as has every individual plant.

Any variation in amplitude or frequency greater or less than the normal fundamental resonant frequency is disease. 3.66 meters, the average wave length of the

normal human, means a frequency of 80,000,000 cycles per second.

Every medicinal substance, whether it be vegetable or animal, having its own fundamental resonant frequency, is only of value in its application to disease when its frequency is identical to that of the disease for which it is applied.

Modern physics demonstrates that a remedy becomes curative when its frequency is  $180^\circ$  out of phase to the disease frequency and directly applied.

*How is this frequency liberated?* Potentizations and triturations liberate frequencies applicable in the treatment disease.

The genius of Samuel Hahnemann enabled him to apply physical laws in the materia medica long before their relation to modern physics was known. His provings of the remedies, and the fitting of symptoms produced by the remedies to those of the disease, is a direct demonstration of applying a frequency of the drug to the similar frequency produced by the disease. Again this is an application of Newton's Law of  $180^\circ$  out of phase when directly applied.

"For the theory of potentization, of bringing substances into a state of higher energy activity, we do not need the introduction of any hypothetic 'forces' (dynamis). We have sufficient support from the knowledge of physics on action and energy."†

Many years ago Lord Kelvin made the statement that "if a glassful of molecules were cast into the ocean and then evenly distributed throughout the seven seas, no difference where a glassful of water was taken from the seven seas, there would still be about 100 molecules per glass."

We have evidence from physics (1) that radiation can be produced by mechanical procedures such as trituration (e.g., triboluminescence—radiation induced by friction) and (2) that alterations of organic substances by radiation, so that the ray-effects are preserved and transmitted by the recipient, are well known.

† *Critique of Homœopathy* by O. Leaser, M.D.

It is known from elementary physics that increased surface, greater distance enforced by an indifferent medium (say, protective medium for colloids, dielectric for electrolytes) and greater regularity in their arrangement—all tend to elevate the level of potential energy.

The retention of an elevated energy level in the case of a "potency" means stored energy. With increased dilution the dissociation and hence the potential ionic activity, e.g., conductivity, increases (cf. "Grundlagen").\*

It is possible with such simple means as the homœopath employs to make atoms emit quanta. This is a fact observed by others and described as triboluminescence. Potentization means increased activation through diminished mass.

We know from such authorities as Tice's *Practice of Medicine*, Vol. 1, pp. 315-316, that certain bacteria have a specific elective affinity for a certain organ. Forssner demonstrated, by cultivating streptococci showing no specific pathogenicity for the kidney in kidney tissue and kidney extract, that such micro-organisms develop special affinity for kidney tissue when injected intravenously into animals.

Rosenow conducted experiments taking pus from the right mastoid at time of operation and injecting it into the veins of animals. Each animal developed *right* mastoiditis, never left.

Rosenow went further and injected into animals the bacteria-free filtrate of pus taken from the right ear. Almost without exception he found that the animals' right ear cells were affected *and not the left* or any other tissue. This germ-free filtrate, like our homœopathic potencies, has an elective affinity which definitely shows that there is polar attraction of remedies and cultures for the opposite polarity† of the tissue.

In homœopathic provings it has been demonstrated that certain of our high potency remedies show variation

\* *Critique of Homœopathy* by O. Leeser, M.D.

† From *Electricity and Life* published in 1945.

in polarity by their attraction to the right or left side of the body.

Some years ago Professor H. S. Burr of Yale University demonstrated that the right and left sides of the human body are of opposite polarity.† This varies in women and men. Here we have a demonstration of the elective affinity (polarity) of homœopathic remedies in the high potencies, thus proving that vegetable and animal remedies have different polarities. *Lachesis* prefers the left side of the body, *Lycopodium* the right.

We are all aware of the magnetic effect of moonlight upon tides—also upon humans. The remedies that are aggravated by moonlight are *Antimonium crudum*, *Belladonna* and *Thuja*; and magnetism ameliorated patients whose indicated remedies are *Belladonna*, *Cuprum metallicum*, *Nux vomica*, *Phosphorus* and *Silicea*.

We are also familiar with the magnetic effect of moonlight on the epileptic, some of whom note that their convulsions are worse in various phases of the moon.

One of the most significant proofs of the truth of the teachings of Samuel Hahnemann can be found in present-day research made with the various radio-active metals. The provings of *Iodine* parallel the symptoms produced by intravenous injections of the radio-active isotope.

Much experimental work has been done with radio-active gold, iodine, strontium, phosphorus and various other isotopes. Up to the present time there have been no cures made by radio-active substances.

Water which forms more than three-fourths of the body content has the highest known dielectric constant. Water used in preparing most of the dilutions of homœopathic remedies is responsible for the ionization of the infinite number of molecules which water holds in suspension or in solution. Water is one of the most important catalysts, which explains the release of the energy of drugs by the process of potentization.

Crile states that the animal organism as a whole is enmeshed in a network of highly specialized conductors in its physical composition. Therefore, the body is not only highly adapted to electrical processes but its constituents in their interrelation within the organism could not be of any conceivable value in a magnetism employed by any other form of energy. This explains why homœopathic remedies, void of physiological effect, utilize only energy quanta.

It is surprising to note on p. 272 of Crile's *Phenomena of Life*, that large amounts of sodium chloride produce a decrease in the potential difference between the fascia and brain and small amounts were followed by an increase.

Salts like sodium chloride do not exist in the molecular form in solution but form the ions of sodium chloride. Ions are not the only dissolved substances that are charged. The charge is due to partly dissociated water molecules adhering to the surface of the particle. Water itself normally dissociates into hydrogen and hydroxide ions.

It is known that ions carry water molecules with them in their migrations through the solutions. The knowledge was gained from the determination of transport numbers in physical chemistry.

Materia medica is not an assemblage of facts which happen to be investigated, and out of which an arbitrary choice can be made for practical purposes. As we understand this branch of applied knowledge, it deals with medicinal agents as entire entities. It must therefore strive to secure the whole span of their actions firmly at both ends: at the base the structures from which the relation among these agents themselves can be inferred, and at the summit the images of their actions as reflected by persons. When both these ends are constantly kept in view, the knowledge of drugs becomes securely established in its own sphere of scientific pursuit.

As the toxicology of all radio-active substances is recorded, it is striking to note the similarity to the provings

as recorded in the homœopathic *Materia Medica*. Symptomatology as laid down by S. Hahnemann is a direct demonstration of modern physics. Hahnemann demonstrated by his process of drug proving the same elective affinity of a drug for a given tissue that is now observed by the modern Geiger counter.

Referring to the Geiger counter, we now know that *China* of Hahnemann's early experiments can be shown capable of physical action on ultra-violet light (selective absorption) in an attenuation of  $1 \times 10^{-77}$ ; *Nux vomica* can be shown to have a similar action in an attenuation of  $1 \times 10^{-57}$ ; *Radium bromide* can, by Geiger counter, be shown to have a radiation through air (showing ionizing properties) which can ultimately be visually recorded by oscillograph in an attenuation of  $1 \times 10^{-7}$ , and can be demonstrated by electroscope at least to  $1 \times 10^{-10}$ , or 1 part in 10,000,000,000<sup>8</sup>. This research, made by Wm. E. Boyd, has demonstrated the electro-physical activity of the body as an essential part of its vital working, and on the other hand demonstrated that lower attenuations, as used in homœopathy, have definite and active electro-physical properties. It is, therefore, an entirely scientific and justifiable experiment to test clinically the action and reaction of the human body to such drugs in this form.

The potentized remedy in itself represents an example of matter reduced to its original state of pure energy, thereby offering in a proving an experimental basis for duplicating the creative processes capable of altering form and function of the human organism.

#### DISCUSSION

DR. T. K. MOORE [Akron, Ohio]: We are coming into this sort of thing whether we like it or not. Physics has made tremendous strides. A man who stopped ten or fifteen years ago in physics today is nowhere. This will be very interesting. It will be published in our *Recorder* and it will be well worth anyone's time to read it.

DR. ROGER SCHMIDT [San Francisco, California]: I feel that we owe a great deal of thanks to Dr. Bryant for the work he has been doing for so many years, initiating us, and myself in particular, in the difficulties of physics.

I think more and more, as you just said, Dr. Moore, those things are very essential to the future of Homœopathy and that we should all encourage him and encourage ourselves to study this.

DR. MARION B. ROOD [Lapeer, Michigan]: I am not qualified to discuss it, but I am going to tell you what reaction I got from a fairly good physicist with whom I did discuss it. He is the retired head of the Physics Department at the University [of Michigan], and out of four or five hours' conversation, his concluding sentiment was that the various sciences should not be in water-tight compartments totally insulated from each other. They should have a common language.

Is that, Dr. Schmidt, what you mean by semantics?

DR. SCHMIDT: Yes.

DR. ROOD: But he said it is very difficult, that you need all your time, a big laboratory, a lot of money and a lot of people to carry out the program you are suggesting.

I was referring to a little part of Dr. Bryant's program, and then I showed him Dr. Morgan's work and I said, "This man has done this work in addition to earning his living as a physician. I have no doubt he has put in his regular days at the private practice of medicine to support himself and, in addition, has done this work without a large laboratory and without a large fund of money to encourage him and without a lot of spare time and with no help but the inspiration of his desire to place abstruse arguments about Homœopathy on a sound basis of fact, consistent with other scientific facts discussed by other scientists, and it seems worthy of their consideration."

He was silent for a long time, and then he said that Homœopathy is liable to become extinct.

"Well," I said, "the outlook is rather dreary."

"Is there no school in which it is taught?" he said.

"Well," I said, "there is no school known as homœopathic today as there were when there was one at this university, as you remember. They are all Grade A medical schools today under the jurisdiction and stipulations of one group."

"Well," he said, "there ought not to be two schools of medicine. Do you think Homœopathy is liable to be forgotten?"

Of course, this is very personal. I said, "Well, it seems as though the numbers are fewer year by year that we see at the meetings and there is no way of preparing new students, in particular."

"Well," he said, "that is too bad." And he spent the rest of the evening arguing himself into doing something about it, and I thought the best thing I could do was get out; but I am hoping to see him on the way back from this meeting and talk again and I shall take what inspiration I can find from Dr. Bryant or Dr. Morgan because no man can be his own advocate. They need someone else to advocate their work. They can't present themselves fairly and that is my excuse for being so bold here before you all. They need an advocate.

DR. BRYANT (*closing*): I have but one object in mind and that is the universal acceptance of Homœopathy. I don't know any other way to do it. As I have said before—and we all know—for 150 years we have got nowhere as far as clinical demonstrations are concerned. We compile all these statistics on pneumonia and show them how far superior our results are, and they are absolutely ignored.

There are plenty of honest people and plenty of honest Christian men in the universities who will eventually accept this thing just as soon as we make it plain to them what we know now—that this is modern physics. Thank you.

—*The Homœopathic Recorder, May, 1950.*

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