PSYCHIATRY

Specifications Being Made For New Mental Disease Cure

Drug That May Be Used As Are Insulin and Metrazol To Treat Schizophrenia; Will Not Shock Patients

DRUG better and less severe than either insulin or metrazol as a sanity-restoring remedy for the hitherto hopeless mental ailment, schizophrenia, seems promised by research reported by Dr. G. Edward Hall of the University of Toronto at the meeting of the American Psychiatric Association.

Appropriately enough, this important work is going on at the laboratories and under the direction of Sir Frederick Banting, the man who gave insulin to the world in the first place as a lifesaving remedy for diabetes.

The drug that may be the weapon for final conquest of schizophrenia, most widespread mental disease, has not yet been found. Specifications for it, however, are being prepared in the studies reported, and the search for the drug is already under way.

"Neither insulin nor metrazol," Dr. Hall said while fellow scientists were congratulating him and acclaiming his work, "will be the ultimate drug used to produce beneficial effects in schizophrenia.'

The ultimate drug, according to present specifications, will be one which either gives the brain anemia temporarily or slows down its electrical activity, or perhaps does both, because careful laboratory investigations by a whole team of scientists, including physiologists, a neurologist and an electrical engineer, show that the two effects which both insulin shock and metrazol shock produce in animals are brain anemia and a change in electrical activity to a pattern of very slow, random brain waves. These two effects, presumably, and no others, are responsible for the cures being achieved by insulin and metrazol.

In addition, the new drug will probably not produce convulsions and patients will not have to undergo anything like the severity of the shock treatment now used to reclaim their minds from the unreal and often unhappy world of schizophrenia.

Besides Sir Frederick Banting and Dr. Hall, the research team which is unravelling the mystery of why insulin or metrazol can restore sanity consists of Dr. W. R. Franks, Dr. B. Mendel, B. Leibell, J. E. Goodwin and Dr. D. P. C. Lloyd. The need for such a team of scientists drawn from various fields was emphasized by Dr. Hall, who said that schizophrenia and its chemical or pharmacological cure is too big a problem to be attacked from one angle or by one

The aid of psychiatrists, Dr. Hall said, will be enlisted when he and his associates are ready with- a drug for use in treating patients.

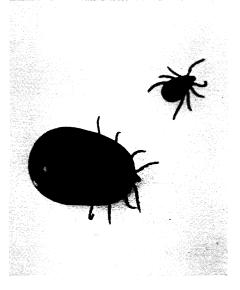
Psychiatrists are enthusiastic because work such as Dr. Hall reported promises not only a better weapon for treating schizophrenia but also greater knowledge of the physical effects of insulin or metrazol on the brains of the patents. This research of the Toronto scientists also offers promise of finding the defect or fault in the physical mechanism of the brain that results in schizophrenia, in other words, the cause of

The psychiatrists have so far been working in the dark with insulin and metrazol, getting good results in many cases, but not knowing exactly why. Even the original discoveries of insulin shock treatment by Dr. Manfred Sakel of Vienna and of metrazol treatment by Dr. L. Von Meduna of Budapest seem to have resulted from what might be termed good "hunches."

A note of caution on the whole problem of shock treatment of schizophrenia was sounded when psychiatrists from all over the country reported details of their results. Reminder of direct danger appears in one report of three deaths in insulin-treated patients.

Further caution is urged on the ground that not enough time has elapsed to make sure that the cures will be lasting. Even if they should not be, the treatment is worthwhile in one psychiatrist's opinion because it at least restores patients to useful, normal life for a period of time, if not for life.

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KNOW THEM?

These two very different looking creatures are both wood ticks. One is enlarged from gorging on a dog host.

Danger of Spotted Fever Seen in Large Crop of Ticks

HIS year's crop of wood ticks is unusually large, particularly in the East. Vacation haunts have hordes of them. More surprising is the fact that vacant lots in cities are for the first time playing host to the common dog, or wood, tick.

One in several hundred of these ticks may carry the virus of Rocky Mountain spotted fever. That one tick, which in no way can be distinguished from the rest, may cause a fatal infection in the person it bites.

The Journal of the American Medical Association (June 4) carries a statement on prevention of dangerous wood tick bites.

Keep the ticks from gorging on the blood of dogs. Pick the ticks off with a pair of forceps or tweezers. Dust the dog every five days with derris powder. Handle the ticks with care.

Wear boots laced over the trouser legs when walking in tick-infested regions.

Feel the back of your neck and head, their favorite feeding places. Examine children carefully in these spots twice a day. This will reveal the presence of a tick in time to prevent a fatal bite.

Examination of the whole body is necessary after exposure to ticks. If one is found, pull it off at once. Disinfect the bite and the surrounding tissues by in-