New Slant On Causes Of Mental Illness Revealed

Editor's note: Recent research indicates that mental illness may be caused by chemical poisons in the brain rather than by emotional disorders. Here is a report on startling discoveries that have led to this theory, third of a series of articles on the human mind.

By ALTON L. BLAKESLEE

NEW YORK (AP) — Chemical upsets or poisons in the brain could be the reason why human minds go seriously haywire.

And if chemical errors cause insanities, then chemicals could someday be made to order to cure or prevent them.

Startling recent discoveries raise "the tantalizing thought that mental illness could be caused by chemical poisoning of the brain, rather than being something we worry and fret ourselves into, says Dr. Howard Fabing, Cincinnati neuropsychiatrist.

More and more psychiatrists and scientists are excited about prospects of discovering biological causes of mental sickness, and methods of curbing this tragic modern plague.

INDUCE ILLNESS

A few reasons . . .

Add a few drops of a colorless, odorless chemical to a glass of water. When humans with entirely sane minds drink it, they soon develop many signs of schizophrenia, the most common form of mental illness. Their minds clear again when the drug wears off.

A peculiar chemical found in blood of schizophrenics also sends normal minds haywire when injected into the bloodstream.

Blood tests are finding challenging variations between the blood of the mentally ill and the sane.

Does mental illness differ from all other diseases to which humans are prey? All others are caused by germs, viruses, injury, chemical imbalances such as lack of insulin in diabetes, hereditary defects. Is the brain completely different from the liver or stomach in the pathways of vulnerability to illnesses?

Sigmund Freud, "father" of psychiatry, never excluded an organic cause for mental sickness. Indeed, he once said the "man with the syringe" might someday have the answer.

SEEK ORGANIC CAUSE

The new research attack may find organic causes of the puzzling mental diseases of yet-unknown origin, like schizophrenia. These clues concern severe illness, not the minor emotional upsets.

The "insanity drops" added to the drink of water were LSD (lysergic acid diethylamide) derived from a fungus, ergot. It derails thought processes of healthy mines, sometimes produces hallucinations and delusions, makes other persons suspicious and paranoidal, speeds up the heart beat. LSD makes a schizophrenic worse.

LSD is closely related chemically to serotonin, a natural hormone in the brain. Serotonin is involved in transmitting nerve impulses across the billions of tiny switching points in the brain. So one line of attacks seeks to learn whether there is too little serotonin in the brains of mental patients, or whether it is mishandled.

At Tulane University, a brilliant research team headed by Dr. Robert Heath is finding several clues linking mental illness with physical changes.

MYSTERY CHEMICAL

From the blood of schizophrenics, they have obtained a mystery chemical, named taraxein, apparently an enzyme. It's been injected into at least 17 human volunteers.

Taraxein disorganized their thinking, impaired concentration. The volunteers couldn't express a complete thought, looked dazed, became apprehensive — some of the symptoms of schizophrenia. How and why do schizophrenics produce taraxein, what does it mean? Research studies are continuing.

Tantalizing, too, is the discovery of other blood differences by a Swedish chemist, Dr. Stig Akerfeldt. Using a simple six-minute blood test, Dr. Akerfeldt finds most schizophrenics, and some other mental patients, have an excess of a normal enzyme, ceruloplasmin. But it is not a specific blood test for schizophrenia—not yet at least—because the excess enzyme also occurs in some physical diseases and in pregnancy.

The findings create hopes that a blood test may be developed to detect insanities, and even measure the severity, and the rate of recovery.

(Tomorrow: Electric explorations of brain mysteries)

RHYTHM BAND MEMBERS

Youthful band conductor Ronnie Kelly is seen with Patricia Steele and Jo Ann Gallant, two members of St. Mary's Academy Rhythm Band, which presented music as a prelude to the St. Patrick's Day play in Summerside Civic Auditorium on Monday evening.

Photo by Wotton

ANSWERS TO QUESTIONS TABLED IN LEGISLATURE

The following questions and answers were tabled in the Legislature yesterday.

HIGHWAY TENDERS

Mr. R.R. Bell asked the Minister of Highways the following questions in writing:

(1) Give list of all tenders called by the Department for fiscal year 1955-56.

(2) Give list of all tenders called by the Department for fiscal year 1956-57.

(3) Give names of all tenderers and amount of each tender.

(4) During the above periods, had the Department any knowledge of collusion among the local or Island tenderers?

(5) Has the Department now received information that officials and shareholders of six Provincial Construction Companies have recently applied for incorporation under the name of "Hillsboro Construction Company Limited."

ANSWERS

(1) Details tab!
(2) Details tabled
(3) Contained in No. 1 and 2.
(4) No.
(5) Noted in Press of recent date

EDUCATION COURSES

Harold Smith asked the Minister of Education to list the Canadian Universities in other Provinces which give courses in education or pedagogie at the undergraduate level together with the enrolment at each university for the current year.

ANSWERS

Newfoundland: Memorial University, 390.

Nova Scotia: Acadia University 22; Dalhousie University, 27; Mt. St. Vincents College, 35; St. Francis Xavier University, 37; Total Nova Scotia, 116.

New Brunswick: Mt. Allison University, 15; University of N.B., 10; St. Joseph's, 3; Total of New Brunswick, 28.

Quebec: Bishop's, 9; McGill, 332; Laval, 64; Montreal, 626; Sherbrooke, 183; Total Quebec, 1214.

Ontario; Ottawa, 10; Toronto 361; Total Ontario, 371;.

Manitoba: University of Manitoba, 58; Brandon College, 70; Total Manitoba, 128.

Saskatchewan: University of Sask 331; Total for Province, 331.

Alberta: University of Alberta, 695; Total, 695.

British Columbia: University of B.C. 892; Victoria College, 222 Total, 1,120.

Grand Total, 4387.

Supplementary to the above is a total enrolment for Canada at the Undergraduate level:— 1954-55 2603; 1955-56 3060; 1956-57 (as above (4387).

At Crapaud

Summerside midget and pee wee teams will play Crapaud teams of the same classifications at Crapaud rink tonight. The first game gets underway at 7 p.m.

NINE DIE IN MINE

LENS, France (AP)—Nine coal miners were killed Saturday when pit gas exploded at the 1,800-foot-level ofa mine at nearby Lievin in north central France. Several other mine workers were injured and one was unaccounted for. There was no immediate indication what touched off the gas.

WESTERN GUARDIAN

CAMPBELL AND BURNS Chick Hatchery now open. A special breed for every need. Dial 3337, Summerside.

REGULAR. THURSDAY night dance at the Canadian Legion home, Kensington. Music by the Mellowaires. Dancing from 9.30 to 12.30. Admission 50 cents.

BEDEQUE RINK tonight, Wednesday first game semi finals, South shore hockey league Albany St. Pats vs. Summerside Junior Aces. Game time 8.30. Admission Admission 25 and 40 cents.

POLICE COURT — A party from St. Eleanors was fined $10 and costs in Police Court, Summerside yesterday for destroying a parking ticket and failing to appear at the Police Station to pay a small fee for a parking violation. The party was summoned into court and appeared before Magistrate E.H. Strong, Q.C.

PERSONALS

Three young men from Summerside Bob Bowness, Pete Green and Robert Steele left Monday morning for Edmonton, Alberta, where they will seek employment.

Dr. Pearl Hopgood Is Laid To Rest

The funeral of the late Dr. E. Pearl Hopgood, who passed away suddenly at her home in Dartmouth, N.S., Friday evening, Mar. 8th., was held from the Princetown United Church, Malpeque, Wednesday afternoon, March 13.

The largely attended service was conducted by the Rev. Alexander MacKay who brought words of comfort the bereaved. The hymns sung were The Lord Is My Shepherd and Lead Kindly Light with Mr. Dugald MacNutt as organist. The floral tributes were many and beautiful.

Pall bearers were: Edson Raynor, Bruce MacNutt, Wilton Ramsay, Donald Beairsto, Roy Woodside and W. H. Burns.

Interment was in the family plot in Peoples Cemetry, Malpeque.

Funeral of J. K. Curran Is Held

The largely attended funeral of the late J.K. Curran was held at 1 p.m. on Tuesday at the Bowness Funeral Home with service conducted by Venerable Archdeacon G.R. Harrison.

The honorary pall bearers were Arthur Allen, Dr. J.C. Simpson, Charles Peters, T.L. Linkletter, Reagh Tinney, Judge W.E. Darby Hon. George MacKay, Thomas White. Active pall bearers were Jerry Hayes, Bruce MacWilliams, Edgar Cannon, Gordon Cutcliffe, Robert Clark, Donald MacDonald.

Following service yesterday afternoon, the body was transported by plane to Orillia, Ontario, for interment following a service there on Thursday.

Entertains Cast Of Irish Play

Mrs. John C. Profit entertained members of the cast at her home following the St. Patrick's play in Alberton parish hall Monday evening. Mrs. Michael Ahearn and Mr. William Cameron provided music for round and square dancing. Mrs. R.D. McKinnon and Mr. Cameron entertained with dancing and Mr. R.D. McKinnon pleased the guests with tap dancing.

A sing-song was also enjoyed on behalf of the cast of the play, Mrs. Profit presented a gift to Mrs. Michael Ahearn in appreciation of her kindness to them while the play was being practised and for her valued assistance at the time it was being presented.

Fined $25 For Heavy Vehicle

In county magistrate's court, Summerside yesterday, a party apprehended at Miscouche and charged with operating a motor vehicle whose loaded weight exceeded 6,000 lbs. was fined $25 under the Highway Traffic Act by Magistrate R.S. Hinton, Q.C.

A party, charged with operating a vehicle that was carrying a heavier load than the registration permitted, paid $10 and costs.

Parties from Summerside and St. Eleanors were fined $20 and costs each for possession of liquor other than in their residence while the case of a party from O'Leary charged with taking a motor vehicle without the owner's consent was adjourned to March 26th.

Agricultural News

(Continued from Page 3)

acre where 500 could be raised. Senator Dunlop are about the best variety to plant.

In 1945 Prince Edward Island harvested 950,000 boxes, 1954-780,000 boxes, 1955-880,000 boxes and 1956 a total 1,500,000 boxes were filled.

Virus diseases is common. The symptoms are lack of growth etc. In U.S.A. some nurseries have developed virus free plants. They use a screen house and propogate them. Later they fumigate the place and bar the insects and aphids. They grow them there for two years, then propogate them for one year in the open with spraying taking place and the soil fumigated. After all these steps have been taken they turn out 95 per cent Virus free.

8,000 plants have increased to 12,500 and another plot of 9,000 plants have increased to 13,000 so this virus free process is paying off.

LISTED HERDS

Accrediated herds deal with T. B. Listed herds are free of Bangs Disease. (Brucellosis).

To obtain the distinction of having an accrediated herd they must be T.B. free and 50 per cent purebred cattle of the same breed. If there were 30 head, 15 would have to be purebreds.

Tests should be taken every six months and if there aren't any reactors they are T.B. free and merit the title An Accrediated Herd. Should there be any reactors they will have to be disposed. A purebred animal will merit $100 compensation to the farmer and grade animals that have T.B. will be worth $40.00 to the farmer under the Accrediated Herd Assistance Policy. Under the Accrediated Herd Plan the Cattle are tested once a year. You cannot use a herd sire unless he is accrediated An advantage of having them tested annually is that some buyers in certain stated will just go to Accrediated Herds which are catalogued. There are 10,000 Accrediated Herds in Canada. There are 10,000,000 cattle in Canada and 87 per cent of them have been T. B. tested. In P.E.I. there are 90 Accrediated Herds.

Listed herds must be free of Bangs Disease (Brucellosis).

When Bangs Disease strikes it spreads through the herd with a storm of abortions. The disease was diagnosed by Dr. Bangs of Denmark from which it derives its name. The best way to prevent Bangs Disease is to vaccinate the calves 6 to 8 month of age.

There are about 100 Listed Herds on P.E.I.

We are still fortunate in this Province in being spared the ravages of this disease. Listed Herds don't have to be purebred cattle. Ten years ago there were just ten listed herds in this province. They should be checked annually like the Accrediated Herds. Animals are not tested after they are vaccinated until two years have elapsed. The farmers on P.E.I. just had 231 animals vaccinated last year while N.B. had 28,000 done.

People are very careless about the registration papers. The tatoo should be checked with the registration papers. In one instance a man handed the inspector Clysdale papers for Ayrshire Cattle. Vaccinations certificates should be kept with the same care as purebred papers of the various breeds of cattle. Cattle coming into the province should always be equipped with a Health Certificate.

Sherbrooke 4-H Calf Club held its regular meeting at the home of John MacDonald on March 9, 1957. The meeting opened with the sining of O'Canada. The secretary read the minutes which were approved.

The club held a debate among the membrs with the topic being, "Resolve that country life offers better advantages to young people than city life." Members of the affirmative side were Allison Laughlin, Vera Chappel and Woodland Pauptit. On the negative side were Merilyn MacDonald, Carl Pauptit and Violet Compton. The negative side were victorious. It was moved and seconded that public speaking be held among the club members on your favorite subject.

Woodland Pauptit offered to have the next meeting on April 13, 1957. The meeting was adjourned and closed with the National Anthem. A recreational period was then held which was followed by a delicious lunch served by the hostess, Mrs. Fred MacDonald. Merilyn MacDonald, Secretary-Treasurer.

LIFE NOT WORTH LIVING?

Then wake up the liver!

You know that sour, sunk, constipated feeling? It may be caused by the liver. If your liver doesn't pour out up to two pints of bile a day your food may not digest properly, gas bloats up your stomach and you feel that life's just not worth living. That's when the liver needs mild gentle Carter's Little Liver Pills. These famous vegetable pills help stimulate the flow of liver bile. Soon your digestion starts functioning properly and you feel that happy days are here again! Don't ever stay sunk. Always keep Carter's Little Liver Pills on hand.

FOR ALL HOME SEWING

Always use dependable, smooth operating

Lightning ZIPPERS

ALBERTON ACQUIRES NEW FIRE ENGINE

The new well equipped truck shown above has recently been purchased by officials of the Town of Alberton for use of the Fire Dept.

A ton and a half heavy duty G.M.C. the truck has power brakes and power steering, and has been equipped with a flasher siren, on the cab, signal lights and fog lights.

Fire fighting equipment carried on the vehicle includes 500 gallon tank of water coupled to a Hale air cooled pumper, four extinguishers, one dry chemical.

A guard rail extends on either side of the box and there is sufficient room on the platform for an auxiliary pumper, fire hose and members of the Fire Brigade. Fire Chief is Stephen Burke. Perley Hardy is Assistant Chief.

Photo By F. Weeks

Punjabi Corporal Finds Out That Canadians Are Friendly

By JACK BRAYLEY
Canadian Press Staff Writer

EL BALLAH, Egypt (CP)—Before Cpl. Mehar Singh became a military policeman in the United Nations Emergency Force, the only knowledge he had of Canadians came from the movies.

"I thought of Canada as having lots of mountains and Mounties with red coats chasing Indians," the tall handsome Punjabi corporal explained. "I also thought you were very serious and stiff like the British."

The Indian smiled, twisted his guards moustache and continued:

"But now I've met them and am working with them, I have a different idea altogether. You're not serious at all, except when necessary. In fact, I find Canadians very informal, friendly and they enjoy a joke, especially on themselves. But the thing I notice most about them is that if you get more than one together they start a singsong."

COMPOSITE PROVOST

The 24-year-old corporal belongs to a composite provost detachment of Indians, Canadians, Danes, Colombians and Brazilians.

He's enthusiastic about Canada —even the food, although it isn't hotly seasoned like his own. In fact, he'd like to go to Canada some day.

"As far as that goes, I'd like to go to India," says Staff Sgt. Walter Gatehouse of Ottawa. "We've come to know the Indians and respect them. They're the most agreeable guys you'd want to work with. They're straightforward and have the same appreciation for things that we have. This may be our Commonwealth connection."

Miscouche To Spend $5,000 On Fire Equipment

A special meeting of the ratepayers of the incorporated village of Miscouche was held in the hall last evening with commission chairman F.A. DesRoches presiding.

The meeting was called to appropriate monies for various projects in the coming year. On motion it was decided to use the sum of $5,000 toward the purchasing of fire fighting equipment for the village and the sum of $350 was voted for current expenses.

The meeting also approved a motion asking the commissioners to present a brief to the Public Utilities Board requesting a reduction in electrical service charge rates.

VOCALIST

Betty Blacquiere, student at St. Mary's Academy, is seen above at the St. Patrick's Day play, "Meet Uncle Sally", at Summerside, where she was vocalist in one of the speciality numbers.

Photo by Wotton

KENSINGTON RINK

TONIGHT 8:30

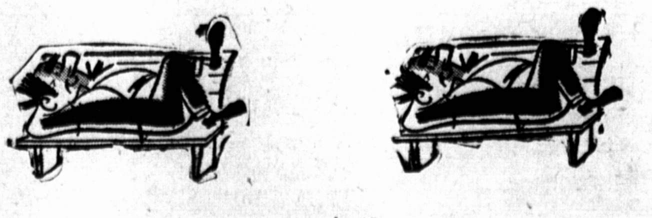
R.C.A.F. vs. CAVENDISH

Third and final game Intermediate "C" playdowns.
Admission 25 and 50 cents.
Skate after

if all the people who worry . . .

about extra cash for new clothes, or how to advertise their businesses, or what happened to that lost article . . .

would only let a Guardian Want-Ad sell those don't wants, or carry any message into the vast majority of P. E. I. homes, they could all take it easy and relax . . .



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GUARDIAN WANT-ADS

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NEW ANTISEPTIC DEODORANT safely stops perspiration 1 to 3 days

Clinical tests prove that **ARRID**, now with Perstop*, is *1½ times as effective* as other leading deodorants. Arrid's antiseptic protection keeps underarms dry and odourless.

1. Safely stops perspiration and odour.
2. Will not irritate normal skin.
3. Protects clothes from stains and clinging odours.
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5. Easy to use! Rub Arrid in, *rub perspiration and odour out.*

More Canadians use Arrid than any other deodorant.

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