

**N.B. DAM HAS FISH LADDER**

The New Brunswick Electric Power Commission's \$30-million Beechwood hydro project on the St. John River, 100 miles north of Fredericton, is rapidly nearing completion. Crews are roofing-in the power house, where two 45,000 h.p. turbines will be generating electricity by the end of the year.

The two regulating gates have been installed, also the first sluiceway gate in the 1,600-ft. dam and the second of the sluiceway for the nine rollways is about completed.

A fish hoist for the dam will lift salmon over the 60-foot structure into the pond behind to allow the fish to spawn in the upper tributaries of the river.



**ENGINEER**

Mr. Stephen S. Hessian, Jr. of Montague leaves for Montreal where he will graduate from McGill University, receiving his Degree of Bachelor of Engineering.

Mr. Hessian graduated from Montague High School in 1951, and received a Bachelor of Science Degree with Major in Physics from St. Francis Xavier University, Antigonish, N.S., in 1954.

Mr. Hessian is the son of Mr. S.S. Hessian, Q.C. and Mrs. Hessian of Montague.

**Radioactive Particles Trace Insulin Action**

TORONTO (CP) — An atomic physicist who developed a scientific interest in diabetes after discovering he had the ailment is heading a group of experts in experiments at the Charles H. Best Institute here.

Dr. Best and the late Dr. Frederick Banting, co-discoverers of the insulin treatment for diabetes, were able in experiments 36 years ago to demonstrate the role of insulin injections in controlling the disease. But no one yet knows precisely how insulin acts to lower the excessively high blood-sugar level in diabetic persons.

Now Dr. Gerald A. Wrenshall has developed a system of using radioactive particles to measure the effect of insulin on the rate of blood sugar movements before and after the injection of insulin.

Previous attempts to measure the effects of insulin involved comparison of different subjects with and without insulin. The new work provides researchers with a dynamic picture of insulin action as opposed to a static one.

Dr. Wrenshall is one of few medical researchers who possess a combined knowledge of medicine, physics and mathematics. He holds a degree in physics from Yale, and in physiology from the University of Toronto.

By using radioactive isotopes and tracing them with a geiger counter it is possible to make quantitative measurements without disturbing the system's normal functioning, Dr. Wrenshall explains.

Part of the groups' recent work has centred on the difference between the pancreas of diabetics and non-diabetics. This gland produces digestive juices and delivers them into the small intestines. In some diabetics it contains little or no insulin, while in others it is present in large amounts.

Dr. Wrenshall's group at present includes such research workers as Dr. Margaret Bates, Dr. Margaret Henderson and Dr. G. R. Williams.

**Removing Shoal In Vancouver**

VANCOUVER (CP) — Part of the long-range federal project to provide a minimum channel of 40 feet in Vancouver harbor has got under way.

Main object of one of the toughest dredging operations ever undertaken here is to remove Parthis Shoal, the shallow near the First Narrows. It was so named in 1860 after one of the first three Canadian Pacific liners, the Parthis, ran aground there. The old Parthis last year was towed from here to Japan to be broken up for scrap.

The present contract calls for complete removal of the shoal to a depth of 40 feet, and it may take 20 months. The sandstone must be drilled and blown up piece by piece. The bottom is to be leveled by a hydraulic dredger, so

**Identification, Surveillance, Of Psychopaths Is Important**

MONTREAL (CP)—A Quebec City psychiatrist Tuesday said "disgraceful differences" of psychiatric opinions in court are due to varying legal interpretations of insanity.

"The end result is of very little use to the ends of justice," said Dr. Louis Bourgoin, "but is in the meantime extremely disgraceful for the courts and for the medical profession and easily fosters wrong impressions of partiality among the public and the possible punishment of a person not responsible for his act."

Dr. Bourgoin is connected with the Service de Readaptation Sociale, Inc., of Quebec City. He spoke at a luncheon given by the Canadian Bar Association for the delegates to the Congress of Corrections.

**FIRST DUTY**

Dr. Bourgoin said a psychiatrist's first duty in examining an accused person is to determine if there is a case of mental illness. If there is a recognizable form of mental illness, "there can be no charge" as the law provides for the detection of the insane.

But when a psychiatrist has to deal with an abnormal personality, not imbecile or mad, he has very little ground to stand upon.

"For while he can readily establish that he is dealing with a psychopath, yet there exists no criteria to decide upon the degree of responsibility or even to question it."

"This type of case often gives rise to the disgraceful differences of the learned opinions by experts for the crown and the defence. In case you have wondered how two experts both sincere, honest and competent, can arrive at such diametrically opposite findings from the same observations, there is no question of professional rivalry. . . neither is it a case of opposite schools at interpretation."

**BASIS THE SAME**

"Although theories as to the causes and treatment of mental illness may vary, yet the symptoms which provide a basis for diagnosis remain the same for the psychiatrist, whatever name is given the illness."

"There is or is not mental illness. But the reason for the divergence of the experts is due . . . to the viewpoint of each. The expert for the crown is usually expected to declare whether or not the patient is insane in the legal sense of the word. The expert for the defence, on the other hand, is often concerned with psychiatric clinical definitions."

"Such a basic divergence of meaning indicates it will be a long day before the two parties can agree."

Dr. Bourgoin said it is important that psychopaths be identified as such and be the subject of constant surveillance "if we are to obtain a measure of reduction in their criminality."

"This should be the major task of all rehabilitation services for it is very unwise to trust a psychopath even for therapeutic reasons. The psychiatrist must bear a heavy burden in this campaign since only he is qualified to diagnose such cases."

"Our country has yet to establish institutions for the reception of psychopaths. This is a grave oversight that we must rectify if we want security in their respect. So far, psychopaths have been routed to prisons or to regular mental institutions. Since their imprisonment is debatable, their presence in mental hospitals is to be deplored greatly for they are the source of much trouble."

**Nfld. Signs Vocational Agreement**

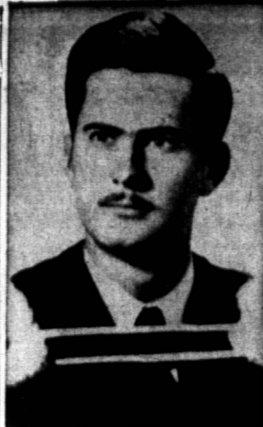
ST. JOHNS Nfld. (CP)—Education Minister Rowe announced Monday he has signed an agreement with the federal government which will bring Newfoundland \$1,291,200 in reimbursements for money spent on vocational education during the next five years.

He said the agreement is the successor to the vocational schools assistance agreement between Newfoundland and Ottawa which expired after five years in 1955 and was renewed on a temporary yearly basis.

On the basis of Newfoundland's population in the 15-to-19-year age group, the province would receive about \$744,800 for capital expenditure during the five years and annual operating allotments of \$536,400.

**KILLED BY COMRADES**

SINGAPORE (Reuters) — A leading Communist terrorist had been killed in the South Malay jungle by his own men, it was announced Monday. A communiqué said Fun Meng, a state committee member of the outlawed Malayan Communist party, was executed by his comrades last November.



**DR. F.A. DELORY**

**Georgetown Man Receives Ph. D. In Old Country**

Dr. Frederick A. DeLory, B. Eng., M.A.S., D.I.C., who has been studying in England since 1953 arrived in Georgetown last week and is the guest of his parents, Mr. and Mrs. F.J. DeLory.

Dr. DeLory has been doing post-graduate studies at the Imperial College of Science and Technology of the University of London, England; for which he has been awarded the degree of Doctor of Philosophy L. the Faculty of Engineering.

Dr. DeLory studied under an Athlone Fellowship by the British Ministry of Education and a special scholarship by the National Research Council of Canada.

Born in Georgetown he attended Georgetown High School, Prince of Wales College and in 1948 graduated from McGill University with the Degree of Bachelor of Civil Engineering.

Following employment at Trail, B.C., with the Consolidated Mining and Smelting Company of Canada, he entered the University of Toronto where he took post-graduate studies in Civil Engineering. He then joined the Aluminum Company of Canada at Arvida, Quebec

**Sees Possibility Of New Prosperity Wave Shortly**

CLEVELAND (CP)—A Montreal financial analyst predicts the greatest bull market in history may start within a year or so.

A. Hamilton Bolton said repayment of industrial loans may so "restoke the credit boiler that the long, postwar bull market may build up steam for its most dynamic phase."

Mr. Bolton, a senior partner of Bolton, Tremblay and Co., Montreal investment counsellor addressed the 10th annual convention of the Financial Analysts Societies here Wednesday night.

A resume of his remarks was released to the press in advance of delivery.

Mr. Bolton said a "new era" stock market has existed for eight years. "Any stock market that breaks through old highs made a generation ago and which stays through is a new era stock market."

He started in 1949 because of the Second World War, as a result of a unique set of monetary conditions never before encountered in the United States.

These conditions were the lowest private debt structure in U.S. history and the highest level of money supply substantially represented by government debt money without these conditions I am convinced that this boom would have been over by now and we would have been in or through a major postwar depression by this time. I am equally convinced that because of these conditions we do not at the present time face a post war depression. If this is correct, we will not, either, have a major bear market in stocks."

Mr. Bolton said it is still too soon for "another leg" to the bull market but he forecast that stock market averages may rise above their unexceeded 1956 peak before the year end.

**HIGHER MARKETS POSSIBLE**

If the market could stay above the industrial averages figure of .35, there was a good possibility that the 522 achieved in April, 1956, could be exceeded on the upside by five to 10 per cent. However, such a breakthrough should not fool us into believing that another major rise is immediately ahead, he said.

He emphasized that the break through does not mean the start of the foreseen boom. "That will not come until we get a restocked up credit boiler as in 1949 and again in 1953, resulting from some loan liquidation that is not accompanied by falling business."

Mr. Bolton described the recent rally as technically weaker than it looks but said he doubted that even on a sharp market decline (index trial shares now could go below the Dow Jones 400 figure.

He forecast that psychologically

the advent of the true bull market will induce great confidence.

"It will have a tremendous psychological impact from the fact that this would be the third war depression we have avoided by essentially monetary and credit means."

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**Mennonites Reach Agreement With Mexican Government**

MEXICO CITY (AP) — Chihuahua's Mennonites have settled a dispute with the Mexican government and will not leave en masse—but lack of land is causing some Mennonites to seek homes in Canada.

Mennonite leaders at Villa Cuatemoc, west of Chihuahua city, say about 500 members of the colony are negotiating for purchase of 60,000 acres of farm land near Timmins, Ont.

The deal has not been closed, and in any event the Mennonites will not leave until this year's harvests are gathered, Mexican officials have been told.

**AVOID LAWS**

The Chihuahua Mennonites migrated to Mexico 35 years ago from Canada to escape compliance with Canadian laws regarding education and military service. Originally numbering about 3,000, the Chihuahua colonists now number nearly 15,000, due to a high birth rate.

A Chihuahua city source quoted Mennonite leaders as saying: "We must find space somewhere for our surplus population. We have not been able to buy additional land in Chihuahua."

A few months ago the Mennonites were threatening to leave Mexico because of a dispute over social security. They claimed that under their original settling contract members of the sect were not subject to such laws.

Now they have agreed to pay social security taxes, and the Mexican government will provide clinics and hospitals, training Mennonite girls as nurses and attendants.

Settlement of their disagreement with Mexico apparently has made these Mennonites believe that they can settle their differences with the Canadian government after a 35-year absence. But

the deal for "living room" in Ontario has not been closed, they say.

The governor of Baja California has invited the Mennonites to send colonists there. But Mennonites say Baja California land is for cotton—and they don't like cotton farming. They are used to growing oats and wheat, and processing cheese and hams.

By religion the Mennonites are farmers. They have their own churches and schools. Most of them still speak low German.

Crime is almost unheard of in the Mennonite villages. If, for example, a Mennonite steals something, the victim complains to the head of the colony, whom the Mexicans call the bishop. The bishop then notifies the civil authorities to come and get the culprit.

**GRANTED LEAVE**

MONTREAL (CP) — President J. Geoffrey Notman of Canadair Ltd., announced Tuesday Robert A. Neale, the company's vice-president in charge of manufacturing, has been granted an extended leave of absence. Dean P. Stowell, executive assistant to the president since 1953, was named to the post effective June 1.

**GOOD SWIMMER**

The mink, a small member of the weasel family, is almost adept in water as the otter.

**OTHER INVITATIONS**

Settlement of their disagreement with Mexico apparently has made these Mennonites believe that they can settle their differences with the Canadian government after a 35-year absence. But

a drill barge is anchored over the shoal.

**Carnival of food Values**

<b>BOLOGNA (not sliced)</b>	lb. 33c	<b>Oranges, 2 doz</b>	79c
<b>SPARE RIBS</b>	3 lbs. 55c	<b>Large Grapefruit 3 for</b>	25c
<b>SHOULDER &amp; BLADE ROAST BEEF</b>	lb. 39c	<b>SHORTENING</b>	
<b>PEAMEAL BACK BACON</b>	lb. 75c	<b>2 lbs. . . . . .</b>	49c
<b>FRESH GROUND HAMBURG</b>	2 lbs. 65c	<b>Colgate beauty soap</b>	
<b>Hawes LIQUID WAX . . . . . (pint)</b>	53c	<b>KEEPS YOUR SKIN FRESH, CLEAR, ALIVE</b>	
<b>Morses INSTANT COFFEE . . . . . 2 oz.</b>	49c	<b>25 LB. BAG \$1.73</b>	
<b>Schwartz (Ice Box Jar) PEANUT BUTTER . . . . .</b>	45c	<b>Robin Hood Flour</b>	
<b>MOLASSES . . . . . 3 qts.</b>	\$1.00	<b>First Grade BUTTER . . . . . 2 lbs.</b>	\$1.19
<b>Red Rose TEA . . . . . 1/2 lb. pkg.</b>	55c	<b>WHITE SUGAR . . . . . 10 lbs.</b>	\$1.19
<b>Glide Liquid STARCH . . . . . bottle</b>	25c	<b>51 GAUGE — 15 DENIER NYLONS pair only</b>	79c

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