

OIL AND GAS RESEARCH: Oil and gas will be matters of major concern in the 1949 field program of the Geological Survey of Canada, it was announced on April 12 by the Minister of Mines and Resources, Mr. Gibson.

Three parties will continue geological mapping combined with studies of stratigraphic and structural problems related to oil and gas in the Alberta foothills. Two of these parties, under Dr. E.J.W. Irish and R. Thorsteinson, will work in the central foothills in areas north of Smoky River. The other party, under Dr. R.J.W. Douglas, will be in the Pincher Creek area of Southern Alberta where the Canadian Gulf Company has been drilling and has discovered an important gas and oil field.

THREE PARTIES CONTINUE STUDIES

Three parties will also continue work begun last summer on the study of the Palaeozoic stratigraphy and palaeontology. Two palaeontologists, D.H. McLaren and P. Harker, both graduates of Cambridge University, England, and now on the staff of the Geological Survey, will begin extensive studies of Devonian and Mississippian faunas, in order to correlate the outcrops of these rocks in the mountains with the productive oil zones of Leduc, Redwater and Princess Devonian fields and with the oil and gas zones in Turner Valley, Pincher Creek and other Mississippian fields. The changes in sedimentation in the Palaeozoic rocks will be further studied by a party under Dr. R. deWit, who began this work last summer, and the study of cores of wells will be continued by Dr. Helen Belyea and several graduate students. The application of the combined results of these highly technical studies will be of great importance in the search for new oil fields.

It is also expected that Dr. R.T.D. Wickenden will continue his work on the study of Mesozoic stratigraphy both in Alberta and Saskatchewan. Dr. Wickenden will co-operate with the Saskatchewan Department of Resources in the examination of well cores and samples and two parties directed by graduate students will work under his supervision. The Mesozoic stratigraphy first became of great importance from the stand-point of gas and heavy oil production in the Wainwright, Vermilion and Lloydminster areas. It has now become important in the production of light oil in the Woodbend field and in reference to the recent discovery in the Superior Joseph Lake well, 18 miles southeast of Edmonton. Also the recent discovery of gas with distillate near Stettler, and the gas discoveries in north central Alberta, all in Mesozoic strata, have further shown that it contains large reserves of both gas and oil. A knowledge of the local and regional stratigraphic relationships thus

becomes a great value in the exploration for new oil fields and Dr. Wickenden and his assistants will continue their field work with the objective of collecting new data and making it available to those engaged in searching for oil and gas.

LOAN OF TWO SUBMARINES: Two Royal Navy submarines will be loaned by the British Admiralty this year to the Royal Canadian Navy for successive three-month periods for anti-submarine training purposes, it was announced on April 13 by the Minister of National Defence, Mr. Claxton. This is in accordance with a long-standing arrangement with the Admiralty.

The first of these submarines, H.M.S. "Tudor," will arrive in Halifax April 23, completing a 5,800-mile voyage from Southampton by way of the Leeward Islands and Bermuda. H.M.S. "Tudor" took part early this month in joint exercises in the Caribbean which involved units of the Royal Navy's America and West Indies Squadron and the R.C.N.'s East and West Coast fleets.

With its primary role established as that of an anti-submarine navy, the R.C.N. will take advantage of the availability of the two R.N. submarines to carry out intensive practical training of ships and personnel in this form of warfare. Firefly aircraft of 825 and 826 Squadrons, flying both from H.M.C.S. "Magnificent" and the R.C.N. Air Station, H.M.C.S. "Shearwater," will also exercise with the submarines.

H.M.S. "Tudor" is commanded by Lieut. D. Swanston, D.S.O., D.S.C., Royal Navy. She is a "patrol type" submarine completed during the latter part of the Second World War. The submarine that will relieve the "Tudor" when her three-month stay in Canada is finished has not yet been selected.

STOCKS OF BUTTER: Stocks of creamery butter on April 1 amounted to 12,691,000 pounds, showing a seasonal decline from the March 1 figure which stood at 18,746,000 pounds, but substantially higher than the 8,379,000 pounds held on April 1 last year. The March "out-of-storage" movement was 6,100,000 pounds as compared with a similar movement of 10,600,000 pounds in the same month last year.

DR. HUME'S APPOINTMENT: Dr. G.S. Hume, Chief of the Geological Survey of Canada has been selected for promotion to the post of Director of the Mines, Forests and Scientific Services Branch; it has been announced by the Minister of Mines and Resources, Mr. Gibson. Dr. Hume will take over the position upon the retirement of the present Director, Mr. W.B. Timm.

NEWFOUNDLAND COMPANY: The Minister of National Defence, Mr. Claxton, announced on April 12 the formation of No. 20 Company, Royal Canadian Army Service Corps, "to assume responsibility in the Province of Newfoundland for the operation, maintenance and repair of transport service for the three Services, and for the provision of rations to joint messes and canteens."

The company, initially, will consist of a headquarters and one section comprising one officer and 18 other ranks, to be drawn from experienced members of the Army Service Corps in existing units across Canada. It will operate under the control of the military area headquarters now being established in Newfoundland.

CANADA TO MAKE F-86 JETS: The Canadian Government has acquired the right to manufacture in Canada the F-86 jet fighter aircraft, and modifications or improvements thereof, the Minister of Trade and Commerce, Mr. Howe, announced on April 13. Negotiations are under way with Canadianair Limited, Montreal, to produce the planes in Canada.

The plane was released for manufacture in Canada by the United States Government, and a licence agreement subsequently was concluded with North American Aviation, Los Angeles, California.

This aircraft is a single seater interceptor fighter with swept-back wings used by the United States Air Force. It holds the official world's speed record of 670.9 m.p.h., fully armed.

Other specifications and performance details of the F-86 are as follows:

Wing span - 37 feet

Length - 37 feet

Height - 14 feet

Power - General Electric J-47 axial flow type jet engine, rated at 5,000 pounds static thrust

Armament - 50 calibre guns in the nose

Tactical radius - 500 miles

Service Ceiling - over 40,000 feet.

MR. ADAMS' APPOINTMENT: An appointment of interest to those concerned with the administration of the Northwest Territories and Yukon Territory, the National Parks, and the Dominion Wildlife Service, is that of Mr. A.C.L. Adams as General Executive Assistant, Lands and Development Services Branch, Department of Mines and Resources.

Mr. Adams was brought to Ottawa by the Hon. James A. MacKinnon when the latter was appointed Minister of Trade and Commerce. He was chosen on account of his wide knowledge of western affairs and remained with Mr. MacKinnon

throughout the Minister's successive terms as Minister of Trade and Commerce, Fisheries and Mines and Resources.

PROFESSIONAL HEALTH TRAINING: Nearly \$17,000 from the national health grants have been recently allotted to enable more medical and public health personnel to take special training, the Minister of National Health, Mr. Martin, has announced.

"When the national health plan was being blueprinted last year," Mr. Martin said, "it was recognized that larger numbers of highly trained people would be needed to put the plan into operation. Accordingly, the health program provides \$500,000 annually for the assistance of persons working in various fields of public health who wish to improve their professional qualifications."

Eight of those in the latest group to be assisted are registered nurses. One from Manitoba is taking three months' post-graduate training in child guidance at the Children's Centre, Detroit, and will return as child guidance nurse at the Brandon Hospital for Mental Diseases. Two nurses from Alberta will benefit from a four months' post-graduate course in operating room techniques at St. Michael's Hospital, Toronto. Two public health nurses from Nova Scotia are taking additional training in their specialty. British Columbia has been allocated \$2,000 to assist the Victorian Order of Nurses in their program of aiding nurses to obtain public health training. Two nurses from New Brunswick are taking a short course in pediatrics and nursing education, and a nurse from Nova Scotia is taking a course at McGill University which will qualify her as an instructress of nurses at the Nova Scotia Hospital.

A Nova Scotia doctor is scheduled to take a course in the early diagnosis of cancer at McGill University and a short course in the diagnosis of brain tumors at the Montreal Neurological Institute, while a second will take post-graduate training in child psychiatry at Johns Hopkins University, Baltimore.

APPOINTED "HAIDA" C.O.: Lieutenant-Commander Edward T.G. Madgwick, R.C.N., 33, of Halifax, has been appointed commanding officer of the Tribal class destroyer, H.M.C.S. "Haida," Naval Headquarters announced on April 14. He will take over his new duties on May 20.

The "Haida," possessor of an outstanding war record, returned to her base at Halifax on April 8 after a month in southern waters on Spring exercises with other ships of the East Coast force, the West Coast squadron and units of the British and United States fleets.

Lt.-Cdr. Madgwick will succeed Commander Antony F. Pickard, O.B.E., R.C.N., 36, of South Porcupine, Ont., and Victoria, who will become Director of Service Conditions and Welfare at Naval Headquarters, Ottawa.