MEMBERS NAMED TO RECONSTITUTED SENATE

Twenty-seven faculty members have been named to the Memorial University Senate for the academic year 1969-70. These are faculty members elected by eight academic constituencies last May under regulations for the election of members of the reconstituted Senate approved March 11, 1968.

Nine Senators are yet to be named. These include eight representatives of the student body and a representative of the Faculty of Engineering and Applied Science. They are to be elected early in the first term.

The elected members of the Senate are: Dr. J.B. Littlefield, Medicine; Mr. J.B. Drinkwater, Physical Education; Mr. W.G. Rowe, Dr. O.K. Crocker and Dr. P.J. Warren, Education; Dr. E. King, Mr. E.R. Williams and Miss H. Pritchett, Junior Division; Miss J. Nevitt, Dr. S.S. Mensinkai, Mr. D.J. Murphy and Dr. G. Royce, Social Sciences; Mr. C.S. Barr, Dr. I.A.F. Bruce, Mr. J.G. Dawson, Dr. H.H. Jackson, Mr. G.E. Panting, Dr. E.R. Seary, and Dr. G.M. Story, Humanities; Dr. D.H. Rendell, Dr. P.J. O'Brien, Dr. F.A. Aldrich, Mr. P.D.P. Smith, Dr. D.H. Steele, Dr. A.R. Stein, Dr. W. Machin, and Dr. E.R.W. Neale, Sciences.

The permanent ex officio members of the Senate are: Lord Taylor, President and Vice-Chancellor; Mr. M.O. Morgan, Vice-President (Academic); Mr. P.J. Hanley, Deputy Minister of Education; Dr. L. Harris, Dean of Arts and Science; Dr. G.A. Hickman, Dean of Education; Dr. A.A. Bruneau, Dean of Engineering and Applied Science; Dr. I.E. Rusted, Dean of Medicine; Mr. H.T. Renouf, University Registrar; and Mr. D.L. Ryan, University Librarian. Other ex officio members named to the Senate are: Mr. S.J. Griffiths, Director of Junior Studies; Mr. M.J. Foster, Director of Physical Education; and Dr. J.D. Eaton, Director of Student Affairs.

SPECIAL CONVOCATION TO HONOUR THREE DISTINGUISHED CANADIANS

Lord Taylor, President and Vice-Chancellor of Memorial University of Newfoundland, has announced that a Special Convocation will be held September 15 in the Arts and Culture Centre.

Three distinguished Canadians will receive honorary degrees at this convocation. They are, the Hon. Jean Marchand, P.C., M.P., Minister of Economic Expansion, Dr. G. Malcolm Brown, Chairman of the Medical Research Council of Canada, and Dr. D.T. Wright, Chairman of the University Affairs Committee for the Province of Ontario. Mr. Marchand will receive the honorary degree of Doctor of Laws while Dr. Brown and Dr. Wright will receive the honorary degree of Doctor of Science. Mr. Marchand will deliver the convocation address.

In announcing the names of the new honorary graduands, Lord Taylor said that Memorial is very pleased to be able to honour such outstanding Canadians. "The Hon. Jean Marchand will be attending meetings of the Community Planning Association of Canada in St. John's in September and we are extremely happy that he will be visiting with us at the University," he said.

Lord Taylor said that the choice of Dr. Brown to receive an honorary degree is one with special significance. "This year, Memorial's new Medical
School will welcome its first students,” he said, “and we are proud that the man who heads up the most important medical research body in Canada, will become one of our distinguished honorary graduates.”

“Dr. Wright is no stranger to Memorial,” Lord Taylor said. “He has been of inestimable help to us in the development of our School of Engineering and the planning of the cooperative engineering programme.” The School will enrol its first students in September.

Hon. Jean Marchand

The Hon. Jean Marchand was born in Champlain, Quebec, in 1918 and was educated at the Commercial Academy of Quebec and the School of Social Sciences of Laval University.

Mr. Marchand came to federal politics from the Quebec Labour movement in which he was a central figure from 1942 until 1965. It was in the latter year that he left his post as President of the Confederation of National Trade Unions to successfully contest the general election of November 1965, in the riding of Quebec West. In the 1966 redistribution, the constituency became Langelier and Mr. Marchand was re-elected in the June 25, 1968 general election.

His appointment as Minister of Citizenship and Immigration in December 1965, brought with it the responsibility for reorganizing it to become Manpower and Immigration.

Mr. Marchand also served as Secretary of State from April to July in 1968 when a new Cabinet was formed. He was then appointed Minister of Forestry and Rural Development, in order to introduce a new policy for regional development as a whole. The portfolio has since been renamed Regional Economic Expansion.

The Minister has received an honorary Doctorate in Industrial Relations from the University of Montreal, an honorary degree in Social Sciences from Laval, and an honorary degree of Doctor of Laws from St. Thomas University.

A member of several national and international committees, Mr. Marchand was also a member of the Royal Commission on Bilingualism and Biculturalism from July 1963 until he entered politics.

Dr. G. Malcolm Brown

Dr. G. Malcolm Brown was born in Campbell-ford, Ontario, in 1916 and attended Kingston Collegiate and Vocational Institute until he entered Queen’s University in 1932.

In 1938, he received his M.D. and C.M. degrees from Queen’s and travelled to Balliol College, Oxford, as a Rhodes Scholar under B.G. Maegraith and Lord Florey. Two years later, in 1940, he received the degree of Doctor of Philosophy. From 1940 to 1943 he worked under Professor Witts at Oxford’s Radcliffe Infirmary.

Dr. Brown became a Member of the Royal College of Physicians in London in 1943, a Fellow of the Canadian body in 1946, the American body in 1949, and in 1961 in London became Fellow of the Royal College of Physicians.

During World War Two, Dr. Brown served from August 1943, to August 1946 in the Royal Canadian Army Medical Corps and on loan to the Royal Army Medical Corps. He was with the R.A.M.C. Malaria Research Unit, Oxford; the Directorate of Biological Research, War Office; and Medical Specialist, R.C.A. M.C., C.G.H. No. 12 and 7 in Northwest Europe and England.

In 1946, he became an Associate Professor of Medicine at Queen’s University and full Professor from 1951 to 1965. He served on numerous academic bodies of the University and currently is a member of the Board of Trustees. Dr. Brown is also Professor of Medicine, University of Ottawa.

Dr. Brown has held several medical posts with hospitals in both Kingston and Ottawa, and has achieved senior posts with seven national and international scientific and professional societies. He has been and is a member of several federal government research boards including the Defence Research Board, N.R.C., Science Council of Canada, and the Medical Research Board of which he is Chairman.

Dr. Brown has published over 70 papers in scientific journals in the fields of malaria research, cold physiology, hematology and gastroenterology.

Dr. D.T. Wright

Born in Toronto in 1927, Dr. Wright received an Honours B.A.Sc. in Civil Engineering from the
University of Illinois in 1952 and a Ph.D. in 1954 from Cambridge University where he was an Athlone Fellow. In 1967, Carleton University conferred upon him the honorary degree of Doctor of Engineering and, also in the same year, Brock University conferred on him the honorary degree of Doctor of Laws.

Since 1954, Dr. Wright has acted as an independent engineering consultant on special problems in structural engineering in Canada, the United States, Mexico and Australia. He has held teaching posts at the University of Illinois and Queen’s University in Kingston, Ontario.

As the Dean of Engineering at the University of Waterloo, Ontario (1959 to 1966), Dr. Wright was responsible for the first cooperative programme in Canada, and the development at Waterloo of one of the largest undergraduate and graduate engineering schools in Canada. He is also consultant to the Université de Sherbrooke and the Memorial University departments of engineering which have adopted the cooperative system.

A member of numerous national and international societies, councils and committees, Dr. Wright was at Memorial in February 1969, to deliver the Second Annual F.W. Angel Memorial Lecture.

In the following week, Dr. Laird visited Riga, the capital of the Latvian SSR, and Tallinn, the capital of the Estonian SSR. He had discussions with scientists at various institutes, as a result of which the University can now look forward to receiving large quantities of parasitological material to be collected for the International Reference Centre by Soviet investigators studying the migration of birds in the Eastern Baltic.

Afterwards Dr. Laird visited Geneva where he was involved in discussions with senior administrators of the World Health Organization about the programme of Memorial’s International Reference Centre and also about types of pollution-related research in which the Department of Biology is becoming increasingly actively involved.

Dr. Laird then travelled to the UK to visit colleagues at the University of London. As a result, certain faculty members of the London School of Hygiene and Tropical Medicine will now be planning to call at St. John’s in 1970 either prior to or following scheduled official visits to the USA, to visit Memorial University and lecture on their specialties.

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The Department of Information and Alumni Affairs has copies of the inaugural lecture in the Pratt Lecture Series available for faculty, staff and students.

The first lecture was given by Northrop Frye, an outstanding Canadian scholar, critic, university teacher and author, in 1968.

Under the title Silence in the Sea, Dr. Frye discussed the works of E.J. Pratt in the context of modern poetry, “and in the further context of the relation of modern poetry to modern civilization”.

The Pratt Lecture was founded in 1968 by Memorial University in honour of the Newfoundland-born poet E.J. Pratt (1882-1964).

The Lecture was printed by The University of Toronto Press.

DR. LAIRD ATTENDS INTERNATIONAL CONGRESS

Dr. Marshall Laird, Head of the Department of Biology, Memorial University, was in Leningrad, USSR, as a participant in the 3rd International Congress on Protozoology July 1 to 10. This Congress is convened every four years, the last one having taken place in London in 1965.

The meeting was attended by 641 scientists — 352 from the USSR, 72 from the USA, 51 from the United Kingdom and 30 from France. The remaining delegations represented 32 other countries.

Dr. Laird presented a paper entitled 'The World Health Organization’s International Reference Centre on Avian Malaria Parasites'. Much interest was expressed by those attending in the development of the activities of this Centre, which was designated by WHO as a part of MUN’s Department of Biology at the beginning of 1968, and which continues to receive an annual grant from this Organization.

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MUN GRADUATE RECEIVES PhD

Mr. R.G. Moyles has been awarded the degree of Ph.D. by the University of London.

Dr. Moyles will be remembered as an M.A. student (M.A. '67) who lectured in English. He continued his studies in English as a Rothermere Fellow and received his doctorate earlier this year.

Dr. Moyles has been appointed Assistant Professor in English at the University of Alberta.

SIX LOCATIONS NAMED FOR OFF-CAMPUS CREDIT COURSES

MUN’s recently announced pilot project of off-campus credit courses to be offered via television and long-distance telephone will be given in Port aux Basques, Stephenville, Labrador City, Lewisporte, Clarenville, and Burin.

In Labrador City, meetings will be held in Notre Dame Academy. In the other locations, the District Vocational Schools are providing space and are co-operating in the administration of the course.

In the fall, the Psychology of Learning will be offered via closed-circuit television and telephone conference calls to the television instructor. Dr. David Moore will teach the course via television as well as in the traditional manner on campus, thus assuring that there will be no difference in quality between the local and off-campus experiences of the students.

This pilot project is part of the expanded programme of off-campus credit courses undertaken by the newly-created division of Summer Session, Evening and Off-Campus Courses for Credit, under the direction of Professor W.G. Rowe. The Educational Television Centre, under the direction of Mr. Duane B. Starcher will be responsible for the preparation of the televised materials and their distribution.

Persons within commuting distance of any of the announced centres will be able to obtain enrolment information through the course co-ordinator in their area. Further information on enrolment procedures will be made available during the summer. The proposed starting date for the course is September 30, 1969.

HARVEY PROFESSOR OF BIOLOGY PRESIDES OVER SYMPOSIUM

Dr. Richard E. Warner, Henrietta Harvey Professor of Environmental Biology at Memorial University, presided over a symposium in Vermont this week.

The symposium – Coastal Oil Pollution - Its Biological Effects and Implications – took place at the University of Vermont, Burlington, Vermont as part of the programme of a joint meeting of the American and Canadian societies of zoologists. The meetings began August 17 and end today.

Dr. Warner examined the subject “Biological and oceanographic aspects of coastal pollution with special references to the problems of Eastern Canada”.

GEOPHYSICISTS ATTEND INTERNATIONAL MEETINGS

Dr. Ernst R. Deutsch, Professor of Physics, is visiting the British Isles and Spain during August and September. While in Ireland and Britain he is collecting rock samples whose magnetic properties will later be studied in order to test the hypothesis that the North Atlantic Ocean was closed at one time in the distant geological past, with Newfoundland and Ireland in close proximity.

In September Dr. Deutsch will attend, and present a paper at, the meeting of the International Association of Geomagnetism and Aeronomy in Madrid. As a member of the National Research Council’s Associate Committee on Geodesy and Geophysics, Dr. Deutsch is one of the official Canadian delegation to the Spanish meeting.

Dr. Michael G. Rochester, Associate Professor of Physics at the University, is giving an invited paper at a seminar on ‘Applications of Space Science to Solid-Earth and Ocean Geophysics’ being held this week at Williamstown, Massachusetts under the joint sponsorship of the U.S. National Aeronautics and Space Administration (NASA) and the Massachusetts Institute of Technology (MIT). He will later attend the Madrid meeting, and then visit the U.K. to present an invited paper at a symposium on “Electromagnetic Problems in Planetary Mantles” being held in connection with the opening of the Nuffield Palaeomagnetic Laboratory at the University of Newcastle-upon-Tyne.
Delegates from Newfoundland to British Columbia met at Lakehead University, Port Arthur, Ontario, this week to examine the advantages of establishing a nation-wide policy and plan for the development of Canada’s mid-north.

The Memorial University of Newfoundland is one of eleven sponsoring Universities of the Mid-Canada Development Corridor Conference which was held August 18 to 22. Representing Memorial on the Convening Board is Mr. Peter V. Young, Director of Co-ordination, Faculty of Engineering. Mr. Young attended the conference as Memorial’s representative.

The major events of the Conference span a period of one year. The first session was held this week and explored and questioned the feasibility of Mid-North development under seven headings, including industrialization, human and natural resources, transportation and communications, urbanization, and financing and trade implications.

The second session, to be held in August 1970, will deal with conclusions and recommendations as to the advantages of establishing a nation-wide policy and plan for development of Canada’s Mid-North.

In the months between, participants will make field trips in the Corridor area itself and (optionally) to northern Scandinavia and Siberia to study the achievements of other countries.

Besides the participation of Canadian universities, provincial government agencies and industrial corporations have joined the Mid-Canada discussions.

**JULY STAFF APPOINTMENTS**

Fifteen new appointments have been made to the University Administrative staff in July.

The following list was supplied by the Personnel Department: Kenneth E. Barry, Electronic Technician, Technical Services; Alexander W. McCloy, Science Assistant, Physics; Miss Gail Samson, Stenographer, Administrative Services; Philip L. Hull, Librarian, Library; Dr. Charles E. Loader, Senior Demonstrator, Chemistry; Miss Madelyn Furlong, Stenographer, Institute for Research in Human Abilities; Miss Gloria Clarke, Clerk, Library; Philip L. Hyam, Technician, Medicine; Mrs. Deborah Hyam, Technician, Medicine; Mrs. Eloise Taylor, Clerk, Library; Miss Eleanor Harris, Library Assistant, Medicine; R. Michael Newton, Science Assistant, Medicine; David C. Kirkland, Clerk, Comptroller’s Office; J. Gregory Pond, Darkroom Technician, Educational Television; and Mrs. Jeanette M. Gleeson, Stenographer, Institute Social and Economic Research.

Memorial’s School of Medicine was presented with a copy of the painting “Fathers of Confederation” by Eli Lilly and Company (Canada) Ltd. during the recent 62nd annual meeting of the Canadian Pharmaceutical Association. The painting was accepted by Dr. I. Rusted, Dean of Medicine and Dr. K.B. Roberts, Associate Dean. At right is Mr. V.H. Hicks, President of the company, Mr. G.E. R. Hunt, Company Vice-President, and Mr. R.J. McNiven, local representative, attended. Similar copies were presented to Canadian medical schools as a company centennial project in 1967.

(Camera Shop Photo)
ARCHITECTURAL STUDENT RECEIVES ANNUAL PRIZE

Mr. Wilfred J. Burry, son of Mr. and Mrs. Raymond Burry, Baie Verte, Newfoundland, was presented with a cheque recently for $100 by Mr. T. Porteous Bolton, President of the Newfoundland Association of Architects, at the University. Dr. A.A. Bruneau, Dean of the Faculty of Engineering and Applied Science, and Mr. C.J. Congdon, Honorary Secretary-Treasurer of the Newfoundland Association of Architects, attended the ceremony.

Mr. Burry attended Baie Verte Public School and the College of Trades and Technology and has just completed the two-year Pre-Architectural Course at Memorial University. He will continue his studies at the Nova Scotia Technical College, Halifax, Nova Scotia, this September.

DR. G.R. FRASER GIVES LECTURE IN MEDICINE

Another lecture in the Postgraduate and Continuing Medical Education Programme of Memorial's Faculty of Medicine was held early this week.

Dr. G.R. Fraser, Associate Professor of Medicine at the University of Washington, Seattle, gave a talk on "The causes of deafness and blindness in childhood".

The medical geneticist met with local physicians August 18 in the Board Room of the Dr. Charles A. Janeway Child Health Centre.

MSRL VISITED BY SUMMER RESEARCHERS

Interest in Memorial's Marine Sciences Research Laboratory brought several visiting research workers to St. John's.

Carrying out research at the MSRL this summer were Sister M. Lua of Mount St. Vincent University, Halifax; Dr. Nancy Wolfson and Mr. Rinaldo Vocisani, Department of Zoology, McGill University; Dr. Carol Lalli, Marine Science Centre, McGill University; Dr. Robert T. Conover, Bedford Institute of Oceanography, Dartmouth, Nova Scotia; and, Mr. George Gardner, Federal Water Pollution Control Authority, National Marine Water Quality Laboratory, West Kingston, Rhode Island.

Meanwhile, two doctorate students studying under MSRL Director Dr. F.A. Aldrich, recently returned from research expeditions abroad.

Miss Helen E. Bradbury continued research on the squid genus Illex at the Laboratoire Arago of the Universite de Paris, Banyuls-sur-Mer, France.

Mr. C.C. Lu, Research Assistant at the MSRL, was a guest researcher at the Instituto de Biologia Marina of the Universidad de Buenos Aires, Argentina.

These two research expeditions enabled the squid group at the MSRL to study first-hand the three subspecies of the group which includes the short-finned bait squid of the Newfoundland coastal waters.
BUSY SUMMER FOR GERMAN AND RUSSIAN DEPT.

Presentation

Mr. Kurt D. Neise, Consul-General for the Federal German Republic, visited Memorial’s Department of German and Russian Languages and Literature recently.

During the visit the Consul-General presented a copy of Merker-Stammler’s *Reallexikon der deutschen Literatur*. Lord Taylor accepted the gift on behalf of the University.

The Federal German Republic has presented the Department with gifts of books over the past four years including a complete Seminar Library for the use of faculty members and advanced students.

Visitors

Lord Taylor, President and Vice-Chancellor, received Dr. and Mrs. Ritter, Federal West German Ambassador to Canada July 22. The Ambassador and his wife were in St. John’s for a short visit.

Learned Societies

Faculty members of the Department of German and Russian presented three out of a total of seven papers at the recent Learned Societies Meeting at York University. The papers were presented by Mr. D.S. Artiss, Acting Head and Assistant Professor, Dr. A.E. Ratz, Associate Professor, and Dr. J.C. Hammer, Assistant Professor.

Dr. Jackson Returns

Dr. Herbert Jackson, Professor and Head of the Department, will be returning shortly to Memorial after a Sabbatical leave spent in Europe. Mr. D.S. Artiss, who has been Acting Head in Dr. Jackson’s absence, will be going on leave. He will pursue postgraduate research at Downing College, Cambridge.

MARINE SCIENCE SEMINARS DELIVERED AT M.S.R.L.

A series of seminars on various aspects of marine science has been given throughout the summer at the Marine Sciences Research Laboratory.

The first lecture was entitled “The effects of pollution on marine organisms” and was given by Mr. Paul Yевич of the Federal Water Pollution Control Authority, National Marine Water Quality Laboratory, Rhode Island.

“The American eel, Anguilla rostrata; new contributions on its biology” was presented by Dr. Vadim Vladykov, Professor of Biology at the University of Ottawa.

Dr. R.B. Hollimmar, Associate Professor of Zoology at the Virginia Polytechnic Institute, presented the third lecture. This lecture was entitled “Marine cercariae: their collection and identification.”

The most recent seminar was given August 6 by Dr. F.D. Klopfcr, Professor of Psychology at Washington State University who spoke on “Some aspects of shark learning”.

EXTENSION SERVICE FILMS B.C. FISHERMEN’S COOPERATIVE

Members of Memorial’s Extension Department spent three weeks in British Columbia recently filming the Prince Rupert Fishermen's Cooperative.

Mr. Harvey Best, Film Unit Producer and Manager, said he and cameraman Mr. Nels Squires arrived in Prince Rupert, B.C., July 20 expressly for the purpose of capturing the fishermen’s co-op on film. Extension Service Director Mr. Don Snowden was in Prince Rupert for part of the filming.

“We wanted to know how the cooperative functions, and of what benefit it has been to the fishermen,” Mr. Best said. This was accomplished by filming interviews with plant board of directors, management, vessel owners and fishermen. “We also filmed in detail the extensive plant facilities owned by the fishermen, their vessels, the various types of fishing and the methods used,” he said. Some filming was done during a three-day stay at Port Renfrew on Vancouver Island.

The film was short for a three-fold purpose. In finished form, it will be used by the Extension field workers around the province. It will form the basis for four 30-minute Decks Awash programmes during the coming Winter television period. It will also be used as classroom material for the fisheries co-op course given each summer for foreign students at Memorial.
GEOLOGY DEPT. FIELD RESEARCH SPANS NEWFOUNDLAND & LABRADOR

Memorial University geology students and faculty members are busy collecting rocks and deciphering the geology in many parts of Newfoundland and Labrador this summer. The Department vehicle, camper trailers, tents, boats and outboard motors are in full-time use, together with a good deal of equipment which has been loaned by mining companies or rented locally.

Closest to home, Dr. V.S. Panek is completing studies on 600 million year old volcanic rocks near Colliers, Conception Bay. He will carry out laboratory studies of his specimens when on sabbatical leave at the Geological Survey of Canada next term. Dr. C.J. Hughes was also working on Avalon Peninsula volcanic rocks, prior to his departure in June for South Africa where he will present an invited paper and participate in field trips. Still on the Avalon Peninsula, Professor M.M. Anderson is studying a rare occurrence of Precambrian fossils near Cape Race which were found in 1967 by S.B. Misra, a MUN graduate student (M.Sc. 1969) in company with Paul Thompson, a MUN undergraduate assistant.

Dr. Harold Williams, together with several graduate students, is studying rocks of the Belleoram area west of Fortune Bay — a key locality in linking the geology of the South Coast with that of the North.

The largest concentration of activity is in the Baie Verte—Springdale region of western Notre Dame Bay, where two faculty members, Drs. E.R.W. Neale and M.J. Kennedy, and five graduate students have been busy since late May on unraveling the complex structures of the ancient Appalachian mountain belt and determining the structural setting of the ore deposits in this region. Dr. W.G. Smitheringale also plans to spend part of his summer in this general area examining ore deposits.

Another graduate student is carrying out a geological and geochemical survey of uranium-bearing rocks on the highlands northeast of Port aux Basques and three students are working on fossils in the Clam Bank and Long Point region of the Port au Port Peninsula. Farthest away on the Island is postgraduate Ron Smyth, who is operating out of Hare Bay at the tip of the Northern Peninsula. He is acting as spearhead of an extensive programme which MUN geologists hope to initiate there in 1970 and he has already received working visits from Drs. H. Williams and M.J. Kennedy and will be visited by Dr. A.F. King in August. The rocks in the Canada Bay - Hare Bay region were thrust or slid into their present position from a source area on or near the Baie Verte Peninsula, some 450 million years ago, so they are of interest to workers in Central Newfoundland as well as West Coast specialists.

Two graduate students are working in Labrador. One is in the Seal Lake region, the other near Makkovik, both along a structural feature known as the Grenville Front, which separates two major rock provinces of the Canadian Shield. They will be visited in mid-August by Drs. Neale, Kennedy, and J.S. Sutton, who will look into the logistics of a larger scale MUN programme in Labrador.

Faculty and graduate field research is supported by N.R.C. and Geological Survey of Canada research grants, and also by generous assistance from the British Newfoundland Exploration Co. (a subsidiary of Brinco) who have completely sponsored several of the projects and partly sponsored others.

In addition to the research programme, which is concentrated in Newfoundland and Labrador, Memorial geology undergraduates are receiving on-the-job training all across Canada from Baffin Island to the Copper Mine River area. All geology majors were able to obtain jobs with exploration companies or Government surveys. Even some of the first-year students, i.e. Geology 100 survivors, who plan to major in geology, were placed in positions — many of them as assistants to graduate students working on theses.

There should be some tall tales to tell of derring-do when the wandering rockhounds return to their headquarters in the basement of the Science and Engineering building next September.

MEDICAL SCHOOL AWARDS
FIRST FOUKS BURSARY

Two outstanding students of Memorial University have been named the first recipients of the Mr. and Mrs. Arthur Fouks Bursary valued at $1,000. The annual bursary is the gift of Mr. and Mrs. Arthur Fouks of Vancouver, B.C., and is open to students of the Faculty of Medicine at Memorial.

The two students who share the initial award
of the bursary are Mr. Raymond Shandera, B.A., and Mr. John James Hardy. Mr. Shandera will receive $600 from the Mr. and Mrs. Arthur Fousk Bursary, while Mr. Hardy will receive $400.

Mr. Shandera, 23, who received his Bachelor of Arts degree from Memorial at the Spring Convocation, 1969, was born in Butlerville, Nfld. He is the son of Mr. and Mrs. Rudolph Shandera who now reside in the Province of Alberta. Mr. Shandera was the winner of the John Lewis Paton Scholarship in 1968.

Mr. John James Hardy, 19, was born in Carbonear, Nfld., and is the son of Mr. and Mrs. Herbert Hardy of that town. Mr. Hardy has completed his second year at Memorial.

Both students will be among the first class to enter Memorial's School of Medicine this September.

In announcing the names of those receiving the bursary, Dr. Ian Rusted, Dean of the Faculty of Medicine, said the basis of the award was that of academic excellence. He noted particularly the fact that Mr. Hardy can enter the new Medical School after only two years at Memorial. Students who satisfy entrance requirements will be able to begin studies in Medicine after two years, rather than the usual three to five years.

MUN PROFESSORS RECEIVE CANADA COUNCIL AWARDS

Five research grants totalling almost $100,000 have been awarded by the Canada Council to Memorial University professors.

Dr. John Hewson, Professor and Head of the Department of Linguistics, has been awarded $6,000 for research on the language of the Newfoundland Micmac Indians.

A grant of $250 was awarded to Dr. Nathan Hurwitz, Professor of Economics, for a study of the education of Indian and coloured people of South Africa.

Dr. Alastair A. MacDonald, Professor of English, was awarded a grant of $1,543 for research.

A research grant of $2,500 was awarded to Dr. Odysseus Tsagarakis, Assistant Professor of Classics.

The largest grant was awarded to Dr. Robert Paine, Director of Sociological Research at Memorial. This award, valued up to $85,100, was presented by the Canada Council Killam Awards. This is the second year of a long-term interdisciplinary study on the impact of modernity in the Eastern Arctic with Professors Jean Briggs, M.M. Freeman, G. Henriksen and H. Sampath.

C.A.G. ANNUAL MEETING TAKES PLACE ON CAMPUS

The week-long 1969 annual meetings of the Canadian Association of Geographers ends today at Memorial University.

The meetings began August 18 in the Arts-Education Building with concurrent sessions on Regional/Economic Geography, and, Social, Cultural and Populative Geography. In the afternoon, the delegates were taken on a field trip of St. John's conducted by Mr. R.E. Pearson of MUN's Geography Department.

Concurrent sessions took place on the following day dealing with Regional and Economic Geography, Geomorphology, and Urban Geography Planning and Recreation.

Two field trips took place August 20. Mr. Mike Staveley of Memorial conducted a tour of the Southern Shore area, while Dr. W.F. Summers, Head of MUN's Geography Department, accompanied delegates on a field excursion around Conception Bay.

Yesterday and today have been taken up mainly with colloquia studying regional economic development and pleistocene problems.

Over 300 delegates and their wives attended the meeting. The delegates were primarily from Canada, but the United States, Britain and Europe were also represented.

Prior to the meetings, a field trip to Newfoundland's West Coast was conducted by Dr. W.F. Summers, August 14 to 16.
# C.A.G. PAPERS

The following is a list of some 54 papers presented at the Canadian Association of Geographers Annual Meeting on campus this past week. The authors and titles of these papers have been listed here for the information of faculty members who may be interested in certain of these papers. —Ed.

- J. Cermakian (Universite Laval) Transports et developpement economique de la region marseillaise.
- B. Barr (University of Alberta) The Soviet Pulp and Paper Industry: Regional Implications of Plant Location in a Planned Economy.
- R.G.Cecil (McGill University) Spatial Variations in the Distribution of Fisheries in the Caribbean Windward Islands: Implications for Regional Economic Development.
- H.A. Whitney (Waterloo Lutheran University) Regional Variations in the Acceptance of Vasectomy.
- J.F. Bergmann (University of Alberta) Welsh Settlement in Patagonia.
- L. Beauregard (University de Montreal) Defi a la geographie et aux geographes du Canada — Challenge to Canadian Geography and geographers.
- F.M. Helleiner (Trent University) A Taxonomic Perspective on Ontario's Economic Regions.
- R.C. Brown & A.L.P. Horsemam (Simon Fraser University) Price Variations of Selected Consumer Goods in Metropolitan Vancouver.
- G.O. Ewing (McMaster University) A Cardinal Scale of Consumer Space Preferences.
- P. Thomas (University of Waterloo) Graduate Student Award Winner Rexdale: A Study in Nodal Industrial Specialization. Employee Density and Space Utilization Characteristics.
- J.W. Simmons (University of Toronto) Intra-City Net Migration: The Patterns for Toronto.
- R.W. Butler (University of Western Ontario) Summer Seasonal Homes in Scotland: Some Comparisons and Contrasts with Ontario.
- R. Paquette (Universite de Sherbrooke) Une Cite Planifiee et Une Cite Spontanee - Deux Banlieues et Fort-de-France en Martinique.
- W. Barr (University of Saskatchewan) Structural Control of Subglacial Drainage near Schefferville, Quebec.
- J.C. Dionne (Department of Forestry and Rural Development, Province of Quebec) Tidal Flat Erosion by Ice, St. Lawrence Estuary.
- R.W. Packer (University of Western Ontario) Quantitative Assessment of the Role of Gullying in Lakeshore Bluff Retreat.
- T. O'Riordan and J.A. McVey (Simon Fraser University) Spatial Variation in the Factors Affecting the Perception of lake Eutrophication in Interior British Columbia.
- N.C. Field (University of Toronto) Land Productivity Gradients and Agricultural Production Patterns in the Soviet Union.
- A. Metton (Universite Laval) Croissance des Consommations Electriques et Developpement Economique et Social au Quebec.
- J.C. McConnell (University of Saskatchewan) The Economics of Seal Hunting in Three Keewatin Settlements.
- B. Proudfoot (University of Alberta) Population, Distance and Economic Activity in North Central Alberta.
- J.B. Sellers (Simon Fraser University) Landscape Aesthetics: Geography Qualifactus and Quantifactus.
- A.F. Burghardt (McMaster University) The Core Concept in Political Geography: A Definition of Terms.
B. Zaborski (Sir George Williams University) Territorial Development of the Polish Nation State Throughout History.

J.J. Klawe (University of Alberta) Canadian Topographic Mapping from the Geographer's Point of View.

T.K. Peucker (Simon Fraser University) Some Thoughts on Optimal Mapping and Coding of Surfaces.


J.E. Vance, Jr. (University of California, Berkeley) The Merchants Port During the Commercial Revolution, with Special Attention to Bristol in the 17th Century.


O.F.G. Sitwell (University of Alberta) The Demand for and the Supply of Calories in Foodstuffs in Nova Scotia at about the Time of Confederation.

C.G. Head (McMaster University) The Cod and Settlements in Pre-Colonial Newfoundland.

P.M. Koroscil (Simon Fraser University) The Concept of Values and Cultural Value Systems in Settlement Analysis.


T. McKnight (U.C.L.A.) The Relationship of Dingo Barrier Fences to Pastoral Land Use in Australia.

R.N. North (University of British Columbia) Resources, Transport and the Pre-Revolutionary Development of Siberia.

P. Usher (Department of Indian Affairs and Northern Development) Growth and Decline of the Trading and Trapping Frontiers in the Western Arctic.

G.S. Dunbar (U.C.L.A.) Lorin Blodget's Role in Reshaping the Image of the Northwest.

V.K. Prest (Geological Survey of Canada) The Retreat of the Last Ice Sheet from the Atlantic Provinces of Canada.

K. Kranck (Atlantic Oceanographic Laboratory, Dartmouth, Nova Scotia) The Post-Glacial History of Northumberland Strait.

J. Welsted (Brandon University) Post-Glacial Uplift Around the Bay of Fundy.

I.A. Brookes (York University) Late Pleistocene Glacial Events in Southwestern Newfoundland.

D.R. Grant (Geological Survey of Canada) Recent Coastal Submergence in the Maritime Provinces.

L. King (Atlantic Oceanographic Laboratory, Dartmouth, Nova Scotia) On the Origin of the Laurentian Channel.

J. Shearer (Dalhousie University) An Estimate of Maximum Post-Glacial Emergence in Port-au-Port Bay, Western Newfoundland.

S. Byers (Andover, Massachusetts) Geography of the Atlantic Provinces and New England in Palaeo-Indian Time (Joint author with H.W. Borns, Jr.)

J. Tuck (Memorial University of Newfoundland) Man in the Maritimes - Cultural Adaptations to Maritime Environment.


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**JULY BLOOD CLINIC A SUCCESS**

The Canadian Red Cross Blood Donor Clinic held on campus in July netted 332 pints.

The Director of Blood Donor Procurement, Mr. Donald Bradbury, said that in July 1968, 178 bottles were donated while in 1967 92 were received.

Mr. Bradbury said that Memorial University has provided over 2,000 pints of blood during the past academic year. In October 757 were collected and in February, 941 pints were donated.

The next C.R.C. Clinic will be held on campus in Mid-October.
A.C.C. EXHIBITIONS

At present there are three exhibitions hanging in the galleries of the Arts and Culture Centre.

An exhibition of maps is hanging in the gallery to coincide with the Canadian Association of Geographers annual meeting at Memorial.

There is an exhibition of recent acquisitions to Memorial's permanent collection.

Brass rubbings by students in England are also being exhibited. Some of these works may be purchased.

These exhibitions will come down during the first week in September.

On September 5 an exhibition of paintings and prints by the South African artist, Henry Meyer will open.

Two exhibitions by the National Gallery of Canada will also go up in early September.

An exhibition of photographic work by leading Montreal photographers and a large and valuable collection of Canadian portraits will be opened on or about September 5.

Here is a preliminary notice for a special exhibition of a recently acquired painting by the National Gallery of Canada. A 10-day showing of a large painting by Jacob Jordaens will open at the Arts and Culture Centre September 26. The National Gallery purchased this painting earlier this year.

UNIVERSITY GALLERY

The Art Gallery in the University Library will open a large exhibit on the life of the German author and poet Thomas Mann.

The exhibition was to have opened earlier this month. However, delays throughout its tour have made it late in arriving at Memorial.

The showing is being organized through the cooperation of the Department of German and Russian at Memorial.

PERSONAL NOTICES

The Gazette will broaden its content in September to provide an additional service to faculty and staff members at Memorial.

This service will be in the form of a regular personal notices column carrying items submitted to the Editor by members of the faculty and staff.

Notices for inclusion must reach the Editor by 5 p.m. on the Monday prior to publication. This means that items must be in the hands of the Editor by September 1 for the next issue of the Gazette.

These notices usually include items for sale (houses, cars, home appliances, furniture, etc.), for rent and items wanted. The notices must not exceed 35 words including heading. Typewritten notices are preferred.

Advertisements received will be published at the Editor's discretion.