

Getting their 'sea ears'

By Allison Berry

Underwater research in Dalhousie University's Aquatron is teaching humans to attain their "sea ears," which will enable them to navigate in the murky depths by hearing.

The research may also lend credibility to science fiction's "sea cities" of the future.

Dr. John McNulty, professor of psychology at Dalhousie, is in charge of the research. He says that for many years it had been assumed that humans could not sound-localize or echo-detect underwater. This assumption was based on observations that the only marine mammals which have these abilities (e.g., porpoises and whales) also have specially adapted ears.

"So elaborate lighting systems were rigged up for divers doing

UNDERWATER NAVIGATION BY HEARING AIM OF MCNULTY RESEARCH

underwater exploration. But, vision is of little use in most diving situations and certainly wouldn't be reliable for large-scale sea habitations," says Dr. McNulty.

"Our research project and related work by others have shown that divers can utilize their auditory sense to orient themselves to a much greater extent than had been thought possible."

Dr. McNulty's research pro-

cont'd on p.9

SYDNEY STUDENT WINS PARIS TRIP

Two tickets to Paris and \$200 cash were won by second-year Dalhousie student Michael Rossiter.

A native of Sydney, N.S., he has been a resident of Howe Hall during the academic year and eating the food served by the university's caterer, Beaver Foods.

Every month, Manager George Peiker has featured a special evening meal for students in Shirreff and Howe Halls. In October, he conjured up an Oktoberfest and in January, a Monty Python night with special English dishes. Last week Mr. Peiker and his staff decorated the dining halls to resemble "Spring-

time in Paris" with a sumptuous French buffet, music and candlelight.

More than 1,400 took part in the meal and eagerly awaited the climax - the drawing, by Dalhousie Vice President W. Andrew MacKay, for the tickets to Paris, compliments of Air France.

Consolation prizes included four tote bags from Air Canada and 20 pounds of chocolates from a Beaver Foods supplier.

The gala pre-examination party was a unique venture - probably a first in Canada. As Peiker pointed out, it was a timely psychological boost for the students.

Top award for Ellis

Dr. Michael J. Ellis, Director of the School of Physical Education, has been named the winner of the 1976 Brightbill Memorial Award for distinguished service in the field of recreation in North America.

The award was established to mark the accomplishments of the late Dr. Charles Brightbill, a renowned American recreationist who founded the world's largest Department of Recreation and Leisure Time Studies at the

University of Illinois.

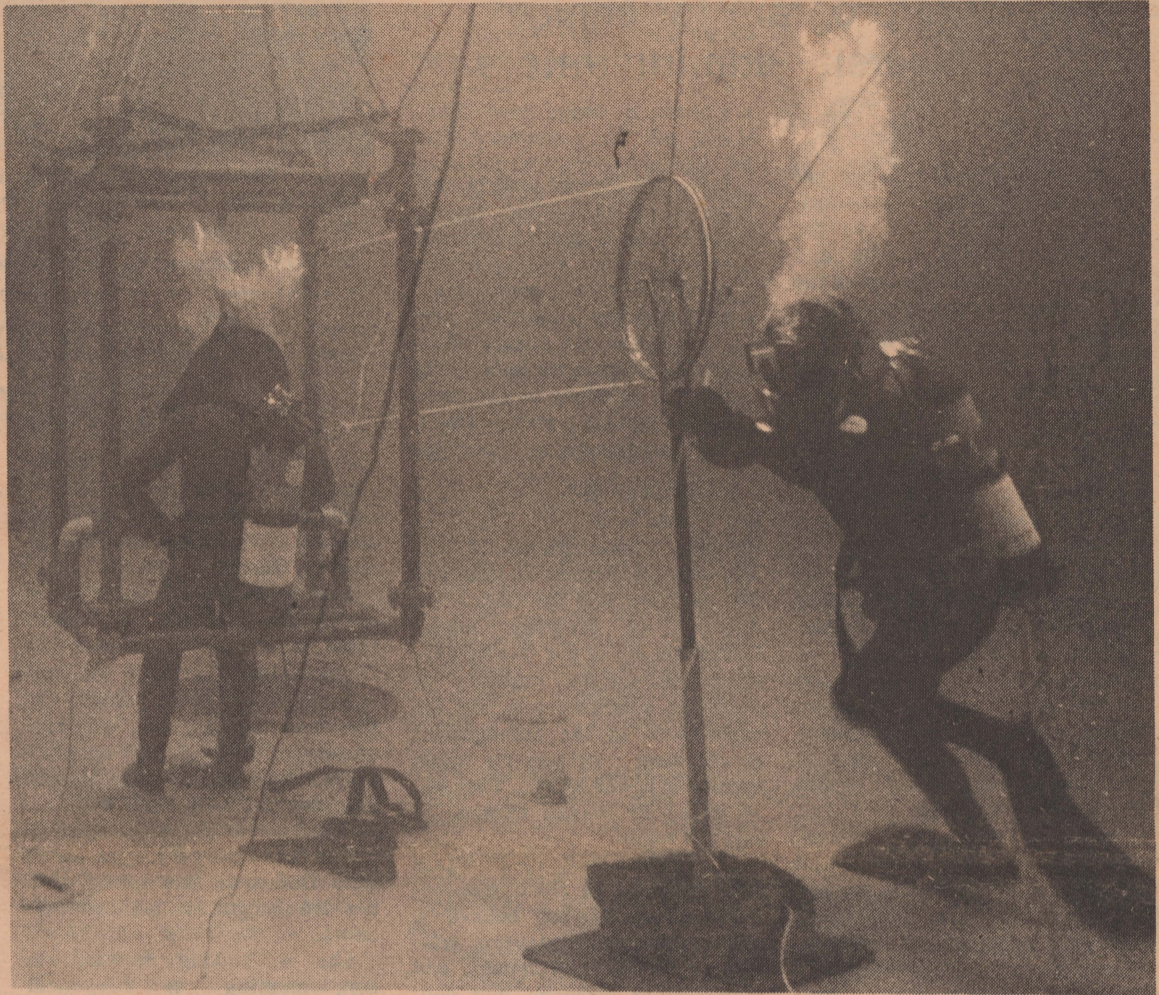
An expert on play behaviour, Dr. Ellis, who joined Dalhousie as Director of the School of Physical Education three years ago, has written two books about his speciality. One, *Why People Play*, was recently translated into Japanese, and the other, *Activity and Play of Children*, will be published in the fall.

In 1970, while with the Children's Research Centre at the University of Illinois, Dr. Ellis

was involved in the White House Conference on Children, being responsible for an exhibition of toys which exemplified good design.

Dr. Ellis was an observer for Recreation Canada at an international seminar on play and sport in Israel last year, and is a member of Recreation Canada's task force studying the costs and benefits of intrusion on the play environment of the child.

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Underwater research in Dalhousie's Aquatron is showing that humans can develop "sea-ears" which will enable them to navigate by sound alone, eliminating elaborate lighting systems currently in use.

[John Donkin,
A/V Services]

Senate reform mail vote falls short

Senate's bid to have a vote-by-mail on the question of reducing, or not reducing, the 264-member academic ruling body of the university, was almost successful.

At the March meeting, Senate found that on any issue involving membership numbers, a majority of members -- 133 -- had to be present. At the time Senate was considering the Heard committee on the Composition of Senate and Senate Council, but only 54 members attended the meeting, hence the decision to go to a mail ballot.

Deadline for the return of ballots was March 31. But only

cont'd on p.11

HARGREAVES TAKES QUEEN'S JOB

The university's worst-kept secret -- the latest, anyway -- was confirmed last week as a sorrowfully-smiling Doug Hargreaves walked into the press conference with his Queen's University tie on.

Doug leaves Dalhousie in a few weeks to take up a post close to his heart -- that of head football coach at Queen's.

(Dal's loss, Queen's gain -- Page 11)

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PLUS a special 8-page
supplement on Intramurals
and Recreation at Dal.

NO EASTER MAIL

There will be no mail delivery on campus tomorrow Friday, April 16 or Monday, April 19 due to the Easter holidays.

Dartmouth, N.S.
No. 59
9 C.
POSTES CANADA POSTAGE

\$221,000 for management development

AUCC program for senior university administrators

The Kellogg Foundation of Battle Creek, Michigan has awarded a grant of \$183,000 to the Association of Universities and Colleges of Canada to support the first Canadian management development program designed specifically for senior university administrators.

The grant is for a five-year period and is complemented by a \$38,000 grant from The Richard and Jean Ivey Fund of London, Ont., for research purposes over a two-year period.

The two-week course will be offered once a year for five years by the School of Business Administration of The University of Western Ontario in co-operation with the AUCC and the Canadian Association of University Business Officers (CAUBO). The first in the series of five annual programs is scheduled for Aug. 15-27.

The need for superior management ability in colleges and universities is particularly marked in the present era of restraint following a period of unprecedented growth and development. The main objective of the course will be to broaden and sharpen the skills of participants in the recognition, analysis and action on management problems across the spectrum of circumstances. In particular, the course will aim:

- to provide an understanding of the opportunities and limitations of new management techniques;
- to introduce a wider appreciation for the integrated functioning of the total institution and its relationship to its changing environment in local, provincial and federal areas;
- to enhance insight into the nature of the management process and thereby instill more effective skills to deal with and through people;
- to stimulate fresh thinking through close association with fellow participants who have similar problems and responsibilities;

- to gain greater insight into opportunities for lifelong personal growth and development and to foster a striving for excellence in management skills;
- to establish a research program out of the course which could provide some insight into possible solutions to the problems which are currently affecting Canadian higher education.

Faculty for the first course will be drawn from the School of Business Administration of The University of Western Ontario and the program will be under the direction of Professor Joseph DiStefano. All of the faculty have served in various positions as academic administrators and are experienced in the management development programs for which the school is well known. They will be joined by outside experts for selected topics.

The course will cover topics and problems in fiscal management, organizational behaviour, union-management relations, relations with the environment, and management planning and control.

To enrich the experience of this program for all participants, the class will represent a mixture of individuals with academic and non-academic responsibilities, from institutions of various sizes, and from all regions of Canada.

The fee for the course is \$500. This sum covers the cost of instruction, classroom materials, and lodging and meals for the two-week period. The Kellogg Foundation grant will be used to subsidize the course fee on nearly a dollar-for-dollar basis. In addition, it will fund the development of teaching materials to fit Canadian needs.

Application forms and brochures may be obtained from Professor J.J. DiStefano, Director, Senior University Administrators' Course, School of Business Administration, The University of Western Ontario, London, Ontario N6A 3K7.



Dr. Sonia Jones [extreme right], head of the Department of Spanish, presents travel scholarship to Valerie Leir. Professors Alfaro and Holloway look on, while students Anna Tanner, Faye Trim and Julie Guravich wait to receive their passports to a Spanish-speaking country. The awards were presented in the "Spanish Restaurant." [A/V Services]

Second Dal student wins Parliamentary Internship

For the second year in succession, a political science student at Dalhousie has been selected, in national competition, as a Parliamentary Intern.

Last year, Miss Diane Pothier of Halifax was the successful candidate and is currently in Ottawa. The Canadian Political Science Association, which administers the program, has now announced the choice of Miss Valerie Dyer as one of 10 Parliamentary Interns for 1976-77.

Twenty-year-old Miss Dyer, a native of Liverpool, graduates from Dalhousie this spring with her BA (major in political science).

She is looking forward to supplementing her theoretical knowledge of Parliament with

practical experience of the day-to-day work of MPs.

Following an orientation period next September, the interns are allocated to government and opposition benches in equal numbers, switching sides in February. The Interns themselves determine the party with which they wish to work and then negotiate the choice of MP with the representative of the party in question.

Miss Dyer, who went to Ottawa for an interview, says she will be expected to do some speech writing, research issues for MPs and substitute in the House, along with various other responsibilities. She will also have to polish up her French.

During the course of the year,

she will spend a few days at Queen's Park (Toronto), at the Assemblée nationale (Quebec) and visit Washington, D.S., observing and meeting numerous officials.

The Parliamentary Internships began in 1969-70, supported by private fundings. It is not associated with the government or any party.

Intern selection is based upon academic excellence, letters of recommendations and the declared motivation of the candidate.

Miss Dyer plans to attend Dalhousie University Law School after her year in Ottawa. She says she is "contemplating a political career."

Owen academic vice-president at St. Mary's

Dr. J.B. Owen has been appointed Academic Vice-President of Saint Mary's University. The appointment is effective Aug. 1.

Dean of Arts at Saint Mary's since 1973, Dr. Owen attended the University of Otago, and the University of Canterbury in his native New Zealand, and Oxford.

His degrees include a Master of Arts with first class honors in History, (New Zealand), a Bachelor of Science with major in mathematics, (New Zealand), and a Doctor of Philosophy (Oxford). He is a Fellow of the Royal Historical Society.

Prior to joining Saint Mary's, Dr. Owen was chairman of the Department of History at the University of Calgary. He had had extensive teaching and administrative experience, including 15 years at the University of Oxford as a Fellow of Lincoln College, where he was also Senior Tutor and chairman of various college and university committees.

An established scholar, Dr. Owen is a recognized authority on 18th century British history. He is the author of many publications, and was associated with the late Sir Lewis Namier in the preparation of *The History of Parliament*. His most recent book, *The Eighteenth Century, 1714-1815*, was published in 1975.

Webster 'relief' posting to aid Malawi system

Professor Bertin Webster has been seconded from Dalhousie for two years beginning in September to serve as head of the history department at the University of Malawi.

He will replace Bridglal Pachai, who is at Dalhousie as a Senior Killam Professor.

His appointment, sponsored by UNESCO, will serve as a stop-gap measure so that young Africans now in the department can complete their formal training at post-secondary institutions before returning to assume teaching and administrative duties in the department.

Prof. Webster also hopes to attract young Canadians to travel to Africa. A former history graduate of Dalhousie, Isaac Lamba, now at the University of Malawi, would be able to come to Canada to complete his PhD requirements if he were relieved of his teaching responsibilities by a replacement.

Part of his function while in Africa will be to place Malawian graduates in Canadian universities for further studies in a number of fields. In addition he hopes to travel in South and Central Africa to interview prospective students.



Prof. Webster

Dr. Webster will work closely with the Dalhousie Centre for African Studies. Among its objectives is the establishment of exchange programs; information and assistance in matters of admission standards, equivalency certificates and proper preparation for those intending to pursue further studies at Canadian institutions.

UNIVERSITY NEWS

UNIVERSITY NEWS is published every second Friday between September and May by Dalhousie University, Halifax, Nova Scotia. It is produced by the Information Office with the assistance of the Graphics Department and is printed by The Dartmouth Free Press.

Inquiries and contributions should be addressed to The Editor, University News, Information Office, Old Law Building, Dalhousie University, Halifax, B3H 3J5. Telephone: 424-2517/8.

Following is the publishing schedule for the balance of 1975-76:

	DEADLINE	PUBLISHING DATE
17	April 22	May 3-7

"Freeze on research funds will force retirements, layoffs"

The proposed freeze of funds for research from the Medical Research Council will, it is estimated, lead to an enforced and probably permanent retirement from research of 100-150 highly-qualified bio-medical scientists, the unemployment of 400-700 technicians and a reduction of 20-30 per cent in the numbers of future research scientists now in various stages of training.

This was reported to the Faculty of Medicine last month by Dr. Stanley D. Wainwright, professor of biochemistry and president of the Canadian Society for Cell Biology. Dr. Wainwright's report concerned the joint lobby in Ottawa by the Canadian Association of University Teachers and the Canadian Federation of Biological Societies.

"The recent announcement of the proposed freeze in funds for research supported by the Medical and National Research Councils, and of the Canada Council, promoted the executive of the CFBS board to consider an early lobby in Ottawa," said Dr. Wainwright.

"Despite impressive increases in the level of Federal support of biomedical research commencing in the 1950s, the situation has seriously deteriorated since 1969. Funds available through the Medical Research have failed to meet sums required to support all projects deemed worthy of support by the Council.

"The level of funding (per capita or a percent of GNP) now is markedly lower than the U.S., U.K., France or Germany.

"Projections for grants awarded by the National Research Council are more difficult to assess because of differences in policy from that of the MRC. However, even prior to the announced freeze the

situation for grantees of the NRC was worse than for grantees of the MRC. From 1969 to 1975 the size of the average NRC grant had increased by only 6 per cent and its effective purchasing power had decreased by 40 per cent."

Funds from both councils for capital equipment had fallen to low levels and most of the bio-medical research now undertaken in Canada was dependent on the use of obsolete or obsolescent equipment.

Equally serious for the future of research in Canadian universities,

The Canadian Association of University Teachers is essentially a national federation of faculty associations of member universities, representing about 18,500 faculty members in Canada.

The Canadian Federation of Biological Societies [to whose annual meeting Dalhousie will be host this summer] is made up of eight scientific societies [Physiological, Anatomists, Biochemistry, Cell Biology, Immunology, Microbiologists, Nutrition, Pharmacological] and represents nearly 2500 scientists active in bio-medical research.

funding for "in-house" research in federal laboratories was not frozen, but rather was expected to be increased by 15 per cent, said Dr. Wainwright.

As the executive of the CFBS were considering the possibility of a lobby in the light of the foregoing considerations, the executive of CAUT became aware of a persistent rumour of the intention of the federal government to cut back on its contribution to the support of higher education.

At present federal funds provide 50 per cent of the operating costs

of the universities under provisions of the Fiscal Arrangements Act.

Information contained in leaked reports indicated that changes in the Act would include 10 per cent reduction in the sum of money now provided in support of higher education from the federal treasury.

"It is generally agreed that any reduction in the level of federal support of education will necessarily result in a greater degree of the control of education policies and institutions by provincial governments. This transfer of authority will come at a time when facilities required to meet demands created by the post-war 'baby boom' became redundant.

"Officials of CAUT are therefore concerned at the possible courses of action which may be adopted by provincial governments, including closure of entire universities (e.g. Nelson U. in B.C.), pressure to modify admissions policies or adopt "market-oriented" academic (i.e. vocational) programs, and active interference in research policies and programs."

CFBS and CAUT found common concern in the trends and decided to hold a joint mass rally on march 10. Mixed delegations of representatives of the two bodies met 50 MPs, selected members of the Cabinet, senior members of the opposition parties, and members representing constituencies containing a university.

Delegates from Dalhousie were D. Braybrooke (CAUT), K. Easterbrook (CFBS) and S.D. Wainwright (CFBS).

In their meetings, CFBS and CAUT emphasized the gravity of the consequences of both the rumoured cut-back in support of university funding in general and of bio-medical research in particu-

lar.

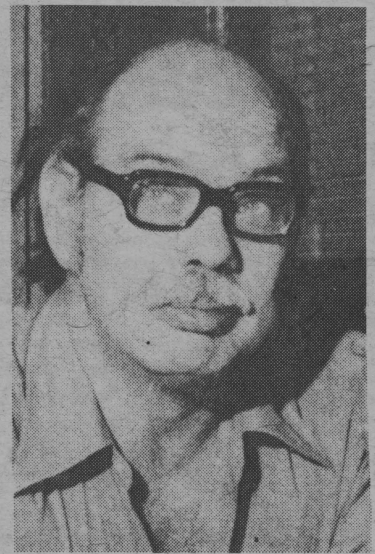
Bio-medical research was chosen for illustrative purposes in the belief that championing the cause of research in all disciplines would dissipate our effort, and that equally cogent arguments could be advanced for other disciplines.

MPs were urged to support a further extension of the Fiscal Arrangements Act to permit informed discussion of educational policies best suited for Canada, with full participation of university faculty and research workers in the discussion - specifically in the form of a joint Federal-Provincial Royal Commission; and a lifting on the freeze of the budgets of the MRC and the NRC to at least the 12 per cent permitted under the Anti-Inflation Board guidelines.

"In general, we were well and sympathetically received, even by members of the Cabinet. Many meetings continued for up to 2 hours. The cause of lifting the freeze on research was easier to present and document than the more general case of support of university financing, and elicited a clearer and more forceful response.

"In particular the Minister of Health and Welfare promised to do his best to secure approval of his colleagues for a supplementary budget to at least make up for the inroads of inflation on salaries."

"However, he noted that 'the Government cannot be expected to make up for stupidities of University administration' with reference to an increase in salary scale of 78 per cent in 15 months. Other MPs opposed the freeze, and the parliamentary assistant to a further cabinet minister observed that we should be asking for a larger increase in the budget for bio-



medical research.

"There also was at least some support for a readjustment in the balance of funding for research undertaken in the universities relative to that done 'in house' in federal laboratories."

Comment on the general financing of universities was usually in the form of praise for having undertaken the lobby, and of success in meeting as many as seven Cabinet ministers. Continued lobbying in Ottawa was advised, as was heavy lobbying at the provincial level.

"CAUT intends to maintain a continuing lobby," said Dr. Wainwright, "and the CFBS will proceed immediately with a continuing program in which at frequent intervals different groups of two or three members from across Canada will be asked to travel to Ottawa and visit four or five MPs.

"I presume local faculty associations will collectively organize a program of lobbying at the provincial level. However, there is no local CFBS organization, and corresponding programs of lobbying here would presumably be the responsibility of the Faculty of Medicine."



A party of Archibald MacMechan's relatives visited the MacMechan Display organized by Ms. S. Rogers-Bell of the Killam Library's Special Collections last month. Left to right: Dr. MacMechan's daughter, Mrs. C.R.E. Willets; a granddaughter, Mrs. Vladimir Cervin; Mrs. Willets' daughter, Mrs. John Campbell; and a great grandson, Mr. Gregor Campbell.

[John Donkin, A/V Services]

Foreign policy studies centre at Dalhousie a prolific publisher

One of the most striking features of the Centre for Foreign Policy Studies since its inception in 1971 has been its publishing record.

In its 1974-75 report to the Donner Foundation, the granting agency that made the centre possible, it listed the following works: six books, five monographs, 20 articles, 20 reviews, and 22 papers presented. As of March, 1976, four additional books were in their final stages of preparation with a number of manuscripts in the last editing stage.

According to the report 13 classes were offered with a total enrolment of 289 students, an indication of the high interest in the foreign affairs field.

During the same period staff from the centre were called upon as resource persons by a varied selection of institutions and asso-

ciations. In addition to university political science departments, the Canadian Political Science Association and the Canadian Association for African Studies, they contributed to meetings of the Association for Asian Studies, Royal Canadian Military Institute, Fletcher School of Law and Diplomacy, Department of External Affairs, and the European Consortium for Political Research at London School of Economics.

Applications are now being accepted for male and female donships at the University of King's College for year 1976-77. Graduate students, doctoral candidates or lecturers will be considered. Call 422-5229 for an appointment.

It's back to school for business graduates of the Sixties

By
Roselle Green

The business skills of the 60's are no longer satisfactory in the present scheme of things. In fact they are obsolete.

What to do about it?

It's back to the textbooks and the classroom not only for commerce graduates but for anyone in the market place trained a decade or more ago; for those who must cope with change, or new trends in the current business environment. Some of those

returning are:

...engineers because they need to upgrade their managerial skills, their knowledge of finance, marketing and labor relations;

...government personnel because they need to gain insight into the area of non-profit accounting, budgeting, communications, human and labor relations functions;

...entrepreneurs because they need to learn how to evaluate

possibilities for profitability, how to structure a company, how to make decisions, how to assess economic issues.

Planners in Dalhousie University's MBA program, more sensitive than ever before to the needs of the regional business community have made their program as accessible as possible for this growing and important constituency.

For those who want to upgrade, improve or perfect their skills, they can do so by taking as few or as many courses as they feel they need. For those who plan to change their career, the MBA is the single most marketable degree of all today. For those moving from a functional to administrative capacity, they can fill the void by exposure to new managerial techniques and tools.

The program is one of accommodation. Persons can now return to the campus, plan a learning and study pattern tailored to their specific needs. Time slots for MBA classes have been set to cater to a working man's schedule (it's possible to take up to two different subjects a week after hours); practitioners with advanced academic training, backed up with applied experience have been recruited; revised regulations now allow students to complete the entire course on a part-time basis.

Testimony to the growing awareness by business men of the need for retraining can be seen in the large number of part-time people. They represent about 42 percent of the total MBA enrolment at Dalhousie.

The program can also boast a broad base. It's geared to a varied professional community. The courses offered are a good fit for the psychologist; sociologist; mathematician; managers; administrator in education, health, and recreation; or the military.

Any doubt about whether an individual can return and adapt in a university setting should be allayed. The faculty not only offer solid advice and counselling, but have found that adults with practical 'know-how' enhance the class. Their presence adds a valuable dimension -- they expose the younger student to the many problems and issues that arise in the work situation; they also force the instructor to maintain a balance between theory and practice in the classroom setting.

As to the teaching methods--gone are the days of the lecture session. The style is more interactive and reflects the skills of the faculty. Now its case histories, learning-by-doing, extensive discussion, introduction to managerial tools, role-playing techniques and simulated exercises.

THE EMPHASIS IS ON PROBLEM-SOLVING, DECISION-MAKING

Major emphasis throughout the course content in the MBA program is directed to developing problem-solving and decision-making skills. Typical of this emphasis are the projects with which students are encouraged to get involved.

For those interested in entrepreneurial functions there is the Blue Sky project offered through the second year course in Policy, in which a student has an opportunity to explore a potential business and receive ideas and constructive criticism from the faculty and fellow MBAs.

He will be responsible for a number of tasks: a market potential study, a layout of his marketing strategy and organizational structure, his methods of financing, with consideration given to production facilities. The next stage is to set forth a complete plan, indicating how he hopes to accomplish his goal--

launching of a successful business.

The other activity which was undertaken several years ago has been a successful learn-by-doing venture.

It is the Atlantic Business Consultants.

Each summer a group of MBA students who have completed their first year, offer management consulting services to local business firms and government departments. The consultants sell their services to clients, manage projects, prepare reports and present their findings to management. ABC provides students with an opportunity to apply skills learned in the first year of the program to a variety of problems. Students retain all fees earned by ABC. The department provides the office space and advice when requested; otherwise ABC is an operation run entirely by the students.

"Different" jobs for 4 graduates

Four students graduating this spring have opted for positions that are far from the "run of the mill" variety.

Donald Ingram will work in the Northwest Territories marketing native Canadian art. He will be associated with a large co-operative which works with native artists.

John Chiasson, a mature student in the program, will be attached to the provincial department of development. One of his assignments will be to attract former MBA graduates back to

this region where they can use their talents and degree qualifications to the benefit of local industry and development.

Charles Maher, another mature student, has had a successful career in the field of finance, banking and brokerage. Yet he chose to put this aside and return to school. He will probably continue after his MBA program with further study in a specialized area.

Kathy Hamby has secured a line position with General Foods as an assistant product manager.

Pharmacists, nurses in joint venture

Drugs, nutrition and communication for the elderly will be three perspectives taken at a continuing education presentation for pharmacists and nurses on April 21 at Dalhousie.

The program, entitled Are the Pharmacists, Nurses and Nutritionists Failing the Elderly, will be given at 8 pm in Theatre A of

MBA'S NEW TEACHERS

Meet some of the staff who are charged with teaching responsibilities. All of them have a background in the business and teaching professions. All are new appointments to the program.

DONALD PATTON: an associate professor of international business; trained at McGill, Indiana and Université de Tunis; currently developing a comprehensive study of foreign trade export markets for Maritime business.

ROBERT SWEITZER: business experience as market researcher at American Can Co., product planning at Motorola; former vice-president of marketing research for Financial International Consultants Corp., president of Marketing Mix; an associate professor of marketing, he taught at Sir George Williams and at School of Marketing and Administration, Barcelona, Spain.

DAVID GANDHI: a management scientist connected with the Royal Bank and the Federal Reserve Bank in Philadelphia; serves as assistant professor of finance.

DENNIS LEE: special interest in consulting and personnel selection; carried out performance appraisal studies for several large North American corporations.

PHILIP ROSSON: marketing consultant for National Coal Board; functioned in the area of industrial marketing for Tanzania Fisheries department and in marketing planning for Xerox (U.K.); previous teaching experience at Edinburgh.

YASSIN SANKAR: major interest is in personnel administration and

organizational development; served in consultative capacity with Northern Electric, Domtar, British Steel; conducting a study on the learning style, problem-solving and decision making of French and English Canadian managers.

MICHAEL MARTIN: management consultant for Defense Research Establishment in the UK; had research and development responsibilities with Medlard Research Labs; teaching experience at Illinois, Iowa State and Bradford (U.K.) universities.

GEORGE TAPLEY: has conducted operations research in production; served as electrical engineer with Nova Scotia Power Corporation; teaching experience at University of Western Ontario.

RICHARD CHESLEY: teaching experience at Ohio State and University of Pennsylvania; a practising chartered accountant; industrial capability in field of managerial accounting for a large Canadian meat packing firm.

LENOARD C. MACLEAN: completing his doctorate in mathematics at Dalhousie; researching in the field of mathematical economics, international trade and growth models; conducting an operations research project for the Department of Preventive Medicine.

ROBERT STREET: industrial relations manager with GSW; consultant to the Nova Scotia School Boards; human relations consultant for a number of mining firms in the Maritimes; holds a LLB from Dalhousie and an MBA from Western Ontario.

Learning about N.S.'s natural history

Curious about the natural history of Nova Scotia?

The year-old organization, Halifax Field Naturalists offer conducted hikes, guest speakers and a regular newsletter - all to help better acquaint you with Nova Scotia. Field trips are held on a regular basis throughout the year and guest speakers visit each monthly meeting, held the second Tuesday of each month at the 5th floor lounge of the Biology wing of Dalhousie's Life Sciences Centre.

A talk by the chief naturalist of Kejimikujik National Park about the planning processes of the park and its natural values will be

given April 21 at 8 pm. A master plan for the park is currently being prepared and Parks Canada is encouraging citizen participation. A kit has been prepared that contains a questionnaire for citizen input.

Other outings include a full day at Cape Split, a day trip to McNab's Island and an investigation of the Peggy's Cove area. Membership in the Halifax Field Naturalists is \$2 per person or \$3 for a family. Paul Keddy is president and many other Dalhousie people are on the executive. For further information, contact the Nova Scotia Museum, or phone 424-2351.

IN THE NEXT ISSUE OF UNIVERSITY NEWS ...

In the next issue of University News [which is also the last of the current academic year and will appear between April 30 and May 7] the following items will appear:

Features on -

The Association of Atlantic Universities.

Remedial English.

APICS' Young Scientists of the Year Award.

Dr. Norman Bethune.

Godfrey & Ecology.

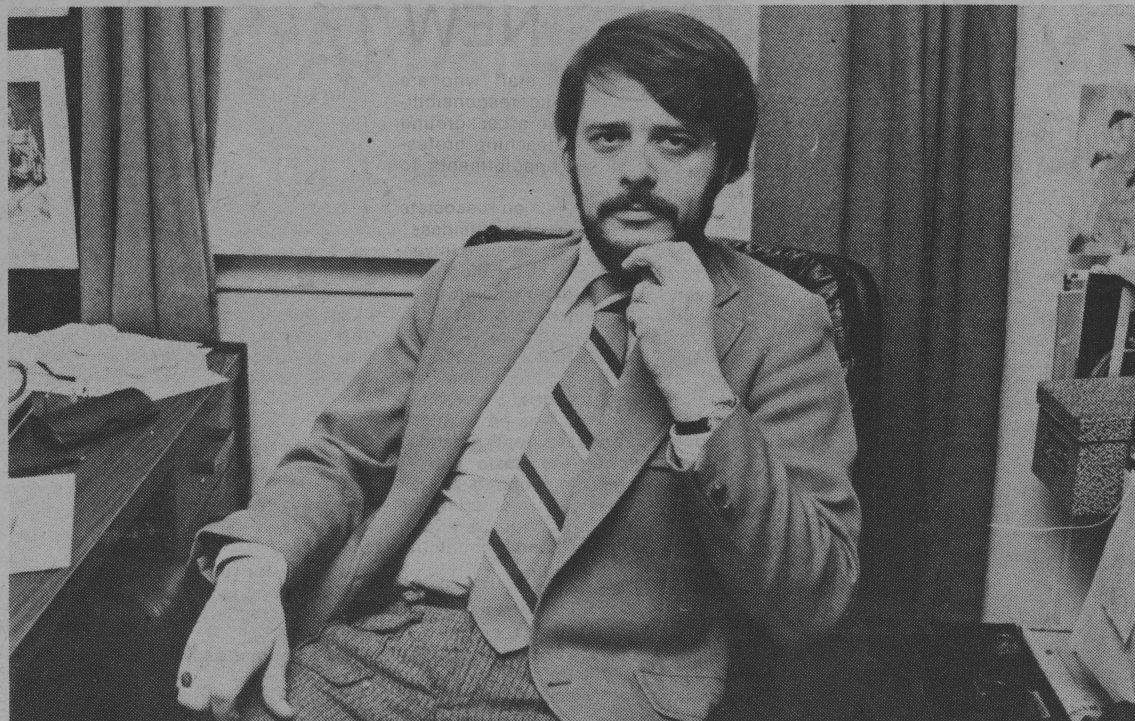
Convocation schedule and honorary degrees.

Research funds.

the Sir Charles Tupper Medical Building.

It is a co-operative venture of the continuing education committees of the university's School of Nursing and the College of Pharmacy.

Taking part will be, Isobel MacLeod, pharmacist from Camp Hill Hospital; Elizabeth Lambie and Pearl Newton, assistant professors of nursing at Dalhousie. ■



Dr. C.T.S. Faulkner is a religious historian with a special interest in religion in Canada, especially recent history and secularizing trends. He has a MTh and PhD from the University of Chicago, and offers classes in the Study of Religion: and introduction; Western Religious Experience.
[John Donkin, A/V Services]

...THAT WHICH BINDS TOGETHER

Religious life profiles lecture topics

Religion is that which binds together, a concept along with others, to be developed in a series of four lectures entitled Religious Life of Canada: Four Profiles From the Past.

They will be delivered by Tom Faulkner, Dalhousie University professor of religion.

The series of four lectures, to be given at 8 pm in the Killam Library Auditorium beginning on May 5 and for the next three Wednesdays, will profile four personalities: Marie de l'Incarnation, Mystical Mother of France, May 5; George Munro Grant, Christian Imperialist, May 12; Brother Andre, Miracle Man of Montreal, May 19; Nellie Mc-

Clung, Prairie Feminist, May 26.

The focal point of the lectures will be to illustrate through the lives of these four how religion did in fact bind the individuals to those around them, but each in a unique way.

As a historian, Faulkner will also demonstrate how these people made a major impact not only on religion but on the politics of Canada in their own time, and then proceed to consider the problems and possibilities their stories pose today.

In this first lecture he will look at the life of Marie de l'Incarnation, founder of the Ursuline convent school, a mystic, the strength and force behind the political leaders in Quebec in the early years of the colony.

Faulkner will describe her as the shaper and sustainer of the

isolated colony during the trials of the Iroquois wars. He will show how she combined political shrewdness and administrative effectiveness with passionate mysticism and then go on to say something about religion and the history of Quebec; the relationship between mysticism and politics; and how women get power and use it.

The second in the series of four lectures (May 12) will concentrate on George Munro Grant, a Pictou Presbyterian who promoted the idea of unity in diversity; served as minister of St. Matthew's Church in Halifax for 17 years before taking over as principal of Queen's University; a Nova Scotia spokesman for Confederation, a confidant of provincial and federal politicians.

Prof. Faulkner will present him

Deep-sea mining, coastal economic zones discussed

Deep-sea mining and coastal economic zones are two critical issues before the New York sessions on the Law of the Sea. Both of these questions were raised in an informed debate on trade and development prospects for the Third World during a one-day workshop held at Dalhousie last week.

Lead speaker Brian Flemming illustrated the kind of controversy that exists between developed and developing countries on the mining question. Developed nations, he said, were anxious to exploit the seabed with minimal interference by international bodies while developing nations were pressing their case to be involved in mining operations, in royalty-sharing and controls.

Although the mining of the ocean floor was still some years away, joint venture operations and the question of transferred technology were only two of the many problems that would have to be faced if all nations were to benefit from this source of wealth.

Law professor Edgar Gold examined the question of economic zones from the vantage point of the developing countries. He said that the new independent nations were concerned about the fisheries, ocean space and the overwhelming costs of getting into the shipping game. These nations, referred to as the group of 77, no longer wanted a dependent role. The coastal economic zone was not merely a question of jurisdiction for them but one of economic viability.

as a person consumed by two visions: a Christian vision uniting all the Christian factions into one church but one that would allow for independent identity. The other, the imperial vision of a world united to serve mankind. Out of this came his lobbying for the penny post and the trans-Atlantic cable.

The open series of lectures will continue on May 19 with the tale of Brother Andre, miracle man of Montreal, founder of the Oratoire de St. Joseph, a faith healer who remained an aesthetic throughout his life. Faulkner will portray him as the uneducated barber in a boy's school who believed that Brother Joseph would intervene among the faithful and to this purpose built a shrine visited by thousands seeking help.

Some of the issues Dr. Faulkner will raise are, were the miracles real? what were people really looking for when they came to see him and to visit the shrine? What are some of the differences between faith and magic?

The series will conclude on May 26 with the story of the dynamic Prairie feminist Nellie McClung, who gave expression to her religious drives in the twin struggles for temperance reform and women's rights. Faulkner will dwell on her efforts to change society for the better through her work as a novelist and her activity as a member of the Alberta Legislature.

The coastal zone and its implications for landlocked or geographically deprived states was a further extension of the question to which Ralph Ochan, graduate student in law, addressed himself. He indicated that this faction had become a pressure group with blocking tactics at the New York meetings. Their strategy appeared to be twofold: to reject the idea of exclusivity of the coastal area; to extend their right to exploit not only the living but non-living resources of the sea.

It is generally conceded that any mining operation of the seabed will require an international seabed authority which would monitor and/or control mining on the ocean floor. Wayne Primau of CIDA outlined the problems associated with the establishment of such an authority. Some of the issues to be resolved before the authority can function are its jurisdiction, voting powers, structure, procedure for settling disputes.

The workshop continued with a session related to the export of manufactured goods and concluded with a discussion on Canada's policy at the forthcoming UNCTAD 4 meeting in Nairobi.

Participants in the meeting included personnel from government departments and agencies, business, and third world representatives. It was sponsored by the United Nations Association of Canada, Dalhousie's Centre for Foreign Policy Studies and the International Education Center at Saint Mary's University.

Two new films

Two new National Film Board presentations are now available for viewing.

"Halifax Music", part 1 and part 2, looks at the Halifax schools' music program. It shows the teachers taking their young charges into the magical world of music with the purpose of "opening people's ears and eyes to the variety of different sounds about them."

The approach taken in the films is straightforward and follows the theme: "Music, whatever sound and structure it may assume, remains meaningless noise unless it touches a receiving mind."

Those who have lobbied for more music in the curriculum will find the film a partial answer to their request for stimulating material.

"Just One of the Boys" is a new film produced by the Atlantic Region Production Unit of the NFB. It is a color short profiling Halifax native Eric Davidson who has been totally blind since the age of two, a victim of the 1917 Halifax explosion.

Despite his blindness, Mr. Davidson has for the past 20 years had an active career as a full-time automotive mechanic.

The film contains some fascinating footage of the Halifax explosion and Davidson's own memories of this event.



The Hon. Donald Jamieson, [at right] Minister of Trade, Industry and Commerce shown here with Professor D. Patton, director, and Dr. A.P. Ruderman [centre], Dean of Administrative Studies, at the official opening of the

Centre for International Business Studies.

In his remarks he suggested that Canada needed a much larger, more competent and experienced group to work in the field of international business. He

said a centre such as the one at Dalhousie can do much to stimulate an awareness and knowledge of international business problems and techniques.

[Heather MacMillan, A/V Services]

DALHOUSIE UNIVERSITY ALMANAC

- 1976-77 *Subject to change*

JULY, 1976

- Thursday, 1**
Dominion Day—University holiday.
- Friday, 2**
Registration, *Postgraduate Medicine*
Last day for receiving applications for admission to *Arts and Science, Health Professions* (except College of Pharmacy) and *Administrative Studies* from transfer students and those who do not meet the normal admission requirements.
- Monday, 5**
Summer School registration.
- Tuesday, 6**
Summer School classes begin.
- Friday, 9**
Last for receiving applications for supplemental examinations, *Arts and Science, Health Professions and Administrative Studies*.
- Monday, 12**
Last day for receiving applications for admission, *Physical Education*.
- Monday, 19**
Halifax Natal Day — University holiday (date subject to confirmation).
- Monday, 26**
Supplemental examinations begin, *Law*.
- Friday, 30**
Last day for receiving applications for admission to full time study, *Arts and Science* and *B. Com. programme in Administrative Studies*.

AUGUST, 1976

- Wednesday, 4**
12:00 noon Dartmouth Natal Day — University holiday, half day (date subject to confirmation).
- Friday, 6**
Last day for receiving applications for supplemental examinations, *Dentistry* and *Dental Hygiene*.
- Wednesday, 11**
Supplemental examinations begin in *Arts and Science, Nursing, Pharmacy, Physical Education and Administrative Studies*.
Last day for those expecting Ph.D. degrees in October to submit unbound theses to departments.
- Thursday, 12**
Last day for receiving applications for admission, *B.Ed. Programme*.
- Monday, 16**
Last day for receiving applications for admission, *Graduate Studies*.
- Tuesday, 17 — Thursday, 19**
Remedial examinations, *Medicine*.
- Wednesday, 18**
Final day of classes, *Summer School*.
- Thursday, 26**
Supplemental examinations begin in *Physiotherapy, Dentistry and Dental Hygiene*.
- Monday, 30**
Last day for receiving applications for admission to part-time study, *Arts and Science, B. Com. programme in Administrative Studies*, and the *Health Professions* (except College of Pharmacy).
- Tuesday, 31**
Registration and payment of fees for students admitted to:
Bachelor of Laws
Master of Laws
Library Service

SEPTEMBER, 1976

- Wednesday, 1**
Classes begin in:
Bachelor of Laws
Master of Laws
Library Science
- Thursday, 2**
Registration and payment of fees for students admitted to *Outpost Nursing*.
- Friday, 3**
Classes begin, *Outpost Nursing*.

- Monday, 6**
Labour Day — University holiday.
- Tuesday, 7**
Registration and payment of fees for students admitted to:
Dentistry
Medicine
Dental Hygiene
Physiotherapy
Social Work
- Wednesday, 8**
Classes begin in:
Dentistry
Medicine
Dental Hygiene
Social Work
- Monday, 13**
Classes begin in *Physiotherapy*, and first year *Master of Business Administration*.
- Monday, 13; Tuesday, 14**
Class and course approval, registration and payment of fees for new full-time students, *Arts and Science, B. Com.* and *C.P.A.* programmes.
- Registration and payment of fees for new full-time students:**
Nursing (except *Outpost Nursing*)
Pharmacy
Physical Education
- Wednesday, 15; Thursday, 16**
Registration and payment of fees for returning full-time students and part-time students, *Arts and Science, B. Com.* and *C.P.A.* programmes.
- Registration and payment of fees for returning and part-time students of**
Nursing
Pharmacy
Physical Education
- Friday, 17**
Registration and payment of fees for all categories of graduate students.
Last day for those expecting Master's degrees in October to submit unbound theses to departments.
- Saturday, 18**
9:00 a.m. — 12 noon. Registration and payment of fees for part-time and special students in *Arts and Science, B. Com.* programme in *Administrative Studies* and *Health Professions*.
- 9:00 a.m. — 12 noon. Registration and payment of fees continue for all categories of graduate students.
- Monday, 20**
Classes begin in:
Arts and Science
Graduate Studies
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration
- Friday, 24**
Last day for those expecting to receive a graduate degree in October to submit approved unbound copies of theses to the Faculty Office.
- Monday, 27**
First day for change of course or class in:
Arts and Science
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration

OCTOBER, 1976

- Monday, 4**
Last day for adding classes (except "B" classes), *Arts and Science, Commerce, Business Administration, Public Administration, and Health Professions*.
- Monday, 11**
Thanksgiving Day — University holiday.
- Wednesday, 14**
Last day for withdrawing from "A" classes. *Health Professions*.

NOVEMBER, 1976

- Thursday, 11**
Remembrance Day — University holiday.
- Friday, 14**
Last day for withdrawing from "A" classes without academic penalty. *Arts and Science, Commerce, Business Administration and Public Administration*.
- Monday, 15 — Saturday, 20**
Examinations, *School of Physiotherapy* (1st year).

DECEMBER, 1976

- Wednesday, 8**
Classes end in *Law* (2nd and 3rd years).
- Thursday, 9**
Last day of classes in:
Arts and Science
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration
Examinations begin. *Law* (2nd and 3rd years).
- Friday, 10**
Examinations begin in:
Arts and Science
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration
- Monday, 13 — Saturday, 18**
Examinations, *Physiotherapy* (2nd year).
- Tuesday, 14**
Classes end. *Law* (1st year).
- Thursday, 16**
Examinations begin. *Law* (1st year), *Library Service*.
- Friday, 17**
Last day of classes and field instruction, *Social Work*.
- Tuesday, 21**
No classes, student holidays begin.
- Friday, 24 — Monday, 27** (inclusive)
Christmas Day, Boxing Day — University holidays.
- Friday, 31**
University holiday.

JANUARY, 1977

- Saturday, 1**
New Year's Day — University holiday.
- Monday, 3**
Registration of new students.
Classes resume all faculties.
- Monday, 17**
Last day for adding "B" classes. *Arts and Science, Commerce, Business Administration and Public Administration*.
- Friday, 28**
Munro Day — no classes (date subject to confirmation).
- Saturday, 29**
Winter Carnival — no classes (date subject to confirmation).
- Monday, 31**
Last day for withdrawing from full-year or "C" classes without academic penalty, *Arts and Science, Commerce, Business Administration, and Public Administration*.
Last day for receiving applications for admission, *Physiotherapy*.

FEBRUARY, 1977

- Monday, 14 — Saturday, 19**
Examinations, *Physiotherapy* (1st year).

Saturday, 19

- Last day for receiving applications for admission to advanced standing commencing in September, 1977, *Dentistry*.
- Monday, 21**
Study break commences.
- Friday, 25**
Last day for receiving applications for admission to the basic baccalaureate degree of *Nursing* programme.
- Monday, 28**
Classes resume.

MARCH, 1977

- Monday, 7**
Last day for withdrawing from "B" classes without academic penalty, *Arts and Science, Commerce, Business Administration and Public Administration*.
- Wednesday, 9**
Last day for those expecting Ph.D. degrees in May to submit unbound theses to departments.
- Thursday, 17**
Last day for receiving theses in temporary binding from those who expect to receive an LL.M. degree in Spring.

APRIL, 1977

- Friday, 8**
Good Friday — University holiday.
- Saturday, 9**
Last day of classes:
Arts and Science
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration
Last day for those expecting Masters degrees in May to submit unbound theses to departments (except LL.M. candidates, March 17).
- Monday, 11**
Last day for receiving applications for entrance to 1st year *Dental Hygiene* commencing September, 1977.
Examinations begin:
Arts and Science
Nursing
Pharmacy
Physical Education
Commerce
Business Administration
Public Administration
Graduate Studies
- Wednesday, 13**
Examinations begin, *Library Service*.
- Thursday, 14**
Last day of classes, *Dentistry* (4th year), *Dental Hygiene* (2nd year), *Law* (2nd and 3rd years).
- Friday, 15**
Examinations begin. *Law* (2nd and 3rd years).
Last day of classes, *Social Work* (2nd year).
- Monday, 18**
Examinations begin. *Dentistry* (4th year), *Dental Hygiene* (2nd year).
- Monday, 18 — Friday, May 20**
Clinical practice, *Physiotherapy* (1st year).
- Friday, 22**
Last day for Faculty receiving theses from those expecting a graduate degree in May.
- Monday, 25 — Saturday, 30**
Examinations, *Physiotherapy* 2nd year).
- Friday, 29**
Last day of classes, *Social Work* (1st year).
- Saturday, 30**
Last day for receiving applications for admission to the *School of Library Service*, and *College of Pharmacy*, session beginning in September, 1977.

- Last day of examinations. *Law* (3rd year).
- Last day for receiving applications for admission from foreign students (other than American) *Arts and Science*.

MAY, 1977

- Monday, 2**
Last day for receiving applications for entrance to 1st year *Dentistry*, commencing in September, 1977.
- Wednesday, 4**
Examinations end. *Law* (2nd year).
- Friday, 6**
Senate meeting to consider candidates for the award of degrees, Spring 1977.
- Monday, 9**
Registration and beginning of classes, *Chemistry 240*: (1st session of *Summer School*).
- Wednesday, 11 — Friday, 13**
Examinations. *Medicine* (4th year).
- Thursday, 12**
Convocations.
- Friday, 13**
Convocations.
Last day of classes, *Medicine* (1st, 2nd and 3rd years, subject to change), *Law* (1st year).
- Saturday, 14**
Examinations begin, *Law* (1st year).
- Monday, 16**
Summer School registration (1st session).
Second year begins, *Outpost Nursing*.
- Tuesday, 17**
Summer School begins (1st session).
- Friday, 20**
Last day of classes, *Dentistry* (1st, 2nd and 3rd years), *Dental Hygiene* (1st year).
Examinations end. *Law* (1st year).
Faculty of *Law* Convocation. (To be confirmed).
- Monday, 23**
Victoria Day—University holiday.
- Tuesday, 24**
Examinations begin, *Dentistry* (1st, 2nd and 3rd years), *Dental Hygiene* (1st year).
- Tuesday, 24 — Saturday, 28**
Examinations. *Physiotherapy* 1st year).
- Friday, 27**
Last day for receiving applications to:
Bachelor of Nursing for Registered Nurses, Diploma in Public Health Nursing Programme.

JUNE, 1977

- Wednesday, 8**
Faculty of *Medicine* Convocation. (To be confirmed).
- Monday, 20**
Last day for receiving applications for supplemental examinations in *Law*.
- Wednesday, 29**
Summer Schools ends (1st session).

A UNIVERSITY NEWS SUPPLEMENT

DALHOUSIE UNIVERSITY

April, 1976

1975-76 a most rewarding year



Nila Ipson

The 1975-76 year has been a most rewarding year. It has provided a great deal of pleasure for me personally to have been a part of such fast growing and popular activities.

Although the program has not been without its problems I was most fortunate to have been backed by a super student council whose judgments assisted the problem-solving and proved to be very advantageous.

The need to expand the Intramural program and other Leisure Time Classes has become evident.

By reading this Intramural Review you will become aware of the many existing opportunities for all students to participate in Athletic and Recreational or Leisure time activity.

I extend to all participants my thanks and congratulations for making this year's program an exhilarating experience.

Special recognition to all officials who gave of their time and energies in the cause of fair play in all sport activities.

The Intramural Office is now engaged in the planning stages of next year's program and invites one and all to join the Intramural Family.

*Nila Ipson,
Director of Intramurals*

DALHOUSIE INTRAMURAL RECREATION

THE OBJECTIVES

The aim of the Intramural Program at Dalhousie is to provide an opportunity for every student to participate in some type of competitive or recreational activity.

The Intramural Program also provides an opportunity for social contact and to foster Inter-Faculty spirit.

In addition to fulfilling those needs the program provides ample

opportunity for physical fitness and promotes such qualities as endurance, agility, co-ordination, all leading up to greater self-assurance and inter confidence.

The Intramural/Recreation offices are located in the Dalhousie Gymnasium building. The telephone number for any inquiries is 424-3372. Messages may be left with the secretaries.

Student input valuable

The Intramural Program was assisted by three Physical Education students in the 1975-76 season.

Jean Duperreault, Robert Barss, and Robert Connolly supervised various sport programs under the direction of Nila Ipson.

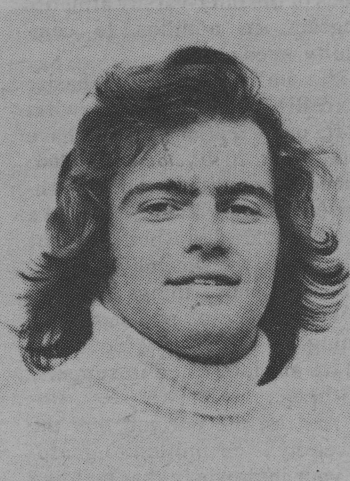
There is also an advisory council to the Intramural Co-ordinator,

which is a channel for communication from the students.

Each faculty holds its own election and a faculty representative is elected to serve on the Intramural Council for a term of one school year. The council meets monthly to discuss and vote on procedures, ground rules, partici-

pation etc. to help to achieve the overall goal of the program a well diversified sport and recreation program for every student at the university.

Sixteen students represented their individual faculties this past year and kept close liaison between students and council.



Robert Barss



Jean Duperreault



Robert Connolly

Popular and functional


Dial-A-Rec - 424-3374 — a new Intramural-Recreation information hot-line kept Intramural scheduling problems to a minimum this past season.

Many time changes in activity schedules are inevitable but the information service was updated daily, sometimes even hourly.

When last minute changes necessitated fast communications to participants, Dial-A-Rec proved to be the most accurate means of obtaining the required information and was voted by the student Intramural Council as the hit of the year.



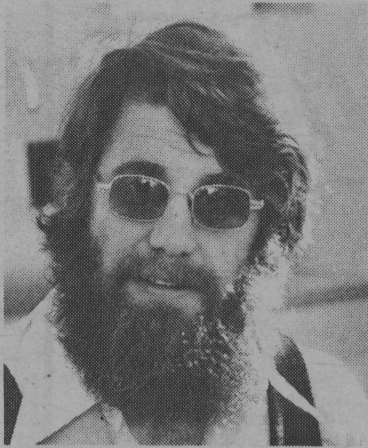
**Gladdi Moses:
The Rec behind the Dial**



DIAL-A-REC

424-3374

Intramural Sports Schedule
Information
24 Hour Service



Dr. Ellis

The true meaning of intramurals

Nila Ipson, co-ordinator of the intramural program, the leisure time classes and who lectures in physical education, also spoke at the annual dinner.

The overflow attendance at the event, she said, was indicative of the popularity of the intramural program. "We have had a steady growth over the years, and you are all to be commended and I hope you will take back with you to you faculties or clubs a feeling of the appreciation I have for you and your input into the program. "It is your program, but it is my pleasure to put together something that will serve your needs -- and I hope we can continue to do that."

Miss Ipson then echoed Dr. Ellis's words. "It is your program, and it is through your voice that people know what you want and how we can better serve you, and I extend the invitation as we finish this year and prepare for next, that if you have suggestions or ideas by which we can improve the program on your behalf, then we will welcome them."

After commenting on the close race in the supremacy standings among the various teams in the intramural program, Miss Ipson singled out for tribute a loser -- Psychology's basketball team.

"When they were beaten in their first game 100-17, they didn't give up. Most teams would have dropped out, but every week, I'd get a telephone call for a gym booking, from 12 midnight until 2 o'clock in the morning. And each week when the Psychology team called, they'd say 'Hey, we improved our score this week by 10 points.'

"To them the final outcome, the final score, was not the important thing, but that they had improved their talents.

"To me, that's the true meaning of intramurals. I hope we can all emulate the spirit that Psychology set forth this year."

Time to become squeaky wheels, athletes told

Ellis warns of hard times ahead

The spectre of hard financial times ahead for the university materialized in the Great Hall of the Faculty Club when Dr. Michael J. Ellis, Director of the School of Physical Education at Dalhousie, addressed the annual awards banquet of the intramural, extramural and recreation units of the Athletics division of his school.

But his speech wasn't one of gloom and doom; political, diplomatic and fitting the occasion it may have been, but Dr. Ellis, as usual, had plenty of home truths and lucid explanations and sound advice to offer.

It was, he said, "well recognized within the university, in the Administration, that you people are the tip of one of the most important icebergs on campus.

"The intramural-extramural program is developing extremely fast, and represents an important effort on your part and on the part of the university to enrich your lives while you are here.

"You may wonder in what way participating in inter-fac, fighting and struggling your way to the finals, is an enrichment, when it's often disease-inducing, mentally and physically. It is, however, a developmental experience".

But, said Dr. Ellis, "as we move through the next few years the university is going to face increasingly hard times in terms of garnering the necessary resources to get programs like this under way, or even to maintain momentum.

"So never let it be said that I haven't warned you that it is time for you to become squeaky wheels. If you do not squeak, it's going to be very difficult in the future for us to represent your interests and make sure that a reasonable share of dollars comes to the intramural and extramural programs.

"It is going to be necessary for us to defend all the programs that

we're interested in, so I invite you to join us, help us, by making it known that intramural programs are an important part of your lives here".

When he raised the subject of the new physical education and recreation facility, Dr. Ellis, the applause was loud and long.

"As you know, the litigation between Dalhousie and the city has come to the point where we think we're finally going to move.

"The centre will be primarily a general purpose recreation building, designed to serve in the best possible way the needs of the very large group of Dalhousie students who are not on varsity teams or who are not participating in physical education teaching programs.

"The centre is going to be a very important set of compromises between your needs, the academic needs of the School of Physical Education, and the needs of the inter-varsity athletics program, in addition to community needs.

"The building will emphasize flexibility. Who knows what sports or recreations we will have in the year 2000? We may have frisbee competitions, or synchronized hang-gliding, and we have had to design a building that will give us the flexibility to deal with all of those things.

"You have a penchant for coming up with weird activities and we are interested in supporting them.

"And let me tell you that the university is committed to guarding your interests in that building very jealously. In fact, there will be trade-offs, and they will come in the following order: The first trade-off we will support will be that in favor of recreational activity; the next will be in favor of teaching and research, and then athletic programs.

"Your voices in the past were heard when the building was



PSYCHOLOGY - One of the special awards for a team's dedication and sportsmanship went to Psychology -- which never gave up. Beaten in basketball in their first game by 100-17, the team came back, practising after

midnight, and eventually improved their abilities and scores despite being consistent losers. Above: Peter Urciuoli accepts the award from Bob Barss.

[Bill Jensen Photo]



MEDICINE - John Richardson and Mark Romanowsky accept the top prize of the year, the Men's Inter-Fac Supremacy Award, from Robert Barss [right]. The award is presented to the faculty which had the best participation and winning record during the year in all events. In

the last four years, Law and Phys Ed have dominated the inter-fac competitions, each having won the award twice. But this year Dentistry and Medicine were strong challengers and although both did excellently, Medicine won six of the 16 events in which it took part. [Bill Jensen Photo]



PHARMACY'S team won the Co-ed Supremacy Award, having won three of the major team events. Although the co-ed participants decided against a formal competition, it was agreed that special recognition should go to the team with the best record, based on participation and performance.

Above, left, Don Cornect of Pharmacy receives the co-ed trophy on behalf of his team from Jean Duperrault [right]. Centre: The second special dedication and sportsmanship award went to Oceanography. Mike MacKinnon [centre] accepts the award.

[Bill Jensen Photo]

being developed, and the building will bring a significant increase in the recreational supply that you have in fact forced by your participation in intramural and extramural programs.

"I'd now like to clear up some misconceptions about the extramural concept. I know that we have been advocating this program for a long time, and some people thought it downgrading university-level activity".

"An extramural sport club has first and foremost a specialist interest -- for example, a 'Dalhousie Hang-Gliding Club' or a 'Dalhousie Sport Parachute Club'. The people in those categories -- and they're real weird -- are interested in practising and developing their particular activity, together".

"The next thing a club does is that it recruits into its ranks newcomers to the sport or activity or recreation -- very important, because it makes available to more people an option. You have the option to be recruited or not. If a club is not available, then you're denied the option, and one of the central features of recreation is the freedom of choice from among the many options available".

"An extramural club also teaches people. That is a uniquely satisfying experience for people involved in it, but it should not just be coaches and teachers of

physical education teaching others. It should be you. The people who know most about hang-gliding are the hang-gliders (but don't try to get me into one of those funny little aeroplanes)".

"The final thing about a club is that it is legitimately involved in sponsoring social interaction and social activities among people with like interests".

"When you put that package together, an extramural sport club is something much bigger, a much more powerful influence for the good of the person at the university than a team that meets on Tuesday night to try to beat another team out of existence. It is a liberating organization, not a restrictive one, because in the final analysis the best person to lead a recreational activity is a friendly, fellow fanatic, and the FFFs are the people who do best at leading you towards higher or more interesting activities in your own particular sphere".

"In closing, I would like to congratulate all of you on behalf of the university, and to thank all of those who have worked their hearts out in the last few years to bring you a dignified, decent, broad and, in my opinion, superb intramural-extramural sports program".



The Intramural Council, at the annual awards banquet. (Bill Jensen Photo)

Individual award winners

- Golf, Bill Shannon (Phys Ed);
- Tennis Singles (female), Valerie Dyer (Arts);
- Tennis Singles (male), Dave MacRae (Medicine);
- Tennis Mixed Doubles, Dorrick and Lynn Stow (Geology);
- Cross Country, Kevin McSweeney (Arts);
- Badminton, Kevin McSweeney;
- Canoe Races (women's), Peggy Christian, Marg Moriarity (both Phys Ed);
- Canoe Races (men's), Tim Shaws, Richard Morris (both Science);
- Canoe Races (co-ed), Marg Moriarity (Phys Ed), Richard Morris (Science);
- Paddleball, Murray Holburn (Medicine);
- Swim Meet (men), Howie Gorman (Commerce);
- Swim Meet (women), Roseanne Robinson (Phys Ed).

THE MOST VALUABLE PLAYERS, 1975-76

- DENTISTRY:**
 Flag Football, Greg Hood.
 Volleyball, Moe Coady.
 Basketball, Tim Foley.
 Hockey, Don Tobban.
 Softball, Brent Halford.
 Bowling, Wayne Garland.
 Floor Hockey, Sandy Beckerton.
 Soccer, Ed Williams.
- ENGINEERS:**
 Soccer, Jim Nunn.
 Flag Football, Jim Walchuck.
 Volleyball, Doug Stout.
 Basketball, Geoff Tasker.
 Hockey, Jim Kaulback.
 Floor Hockey, John Bowman.
- PHYSICAL EDUCATION:**
 Flag Football, Chris Jackson.
 Basketball, Pat Wells.
 Hockey, Peter MacDonald.
 Softball, Bob Moore.
 Floor Hockey I, Kirk Heisler.
 Floor Hockey II, Mike Gilbert.
 Co-Ed Broomball I, Mike McCarley.
 Co-Ed Broomball II, Roseanne Robson.
 P.E. Grads, Jean Duperreault.
 Softball, Peggy Christian.
- LAW:**
 Soccer, Doug Larder.
 Flag Football, "A", Bud MacDonald.
 Flag Football "B", Duncan Chisholm.
 Basketball I, Ken Haley.
 Basketball II, Peter Reardon.
 Hockey "A", Steve White.
 Hockey "B", Colin MacDonald.
 Softball, Rick MacKinnon.
 Bowling, Dale Dunlop.
 Floor Hockey, Brian Bailey.
 Volleyball (W), Karen Kaleva.
- BASKETBALL (W),** Jonette Watson.
 Co-Ed Broomball, Ray Riddell.
 Co-Ed Softball, Karen George.
 Co-Ed Volleyball, Mike Perry.
 Co-Ed Broomball, Ray Morse.
- OCEANOGRAPHY:**
 Co-Ed Broomball I, Petra Ryners.
 Co-Ed Broomball II, Kathy Jung.
 Soccer, Kevin Sellner.
 Volleyball, Rod Zika.
 Basketball, Richard Bohrer.
 Softball, Art Allen.
 Co-Ed Softball, Blaine Hall.
 Co-Ed Volleyball I, Marnie Mitchell.
 Co-Ed Volleyball II, Francie Taylor.
- PSYCHOLOGY:**
 Flag Football, John Fentress.
 Basketball, Tony Riley.
 Floor Hockey,
 Co-Ed Volleyball, Irene Buhlers.
- PHARMACY:**
 Football, Mike Aucoin.
 Women's Volleyball I, Sue Mowett.
 Women's Volleyball II, Vickey Mosher.
 Broomball, Marilyn MacNutt.
 Bowling, Bill Booth.
 Hockey, Doug Sewell.
 Co-Ed Softball, Pet Louise.
 Floor Hockey, Warren Meek.
 Co-Ed Volleyball, Janice Bateman.
 Soccer, J.P. Lee.
 Basketball, Derek Gray.
 Co-Ed Basketball, Pam McLean.
- SCIENCE:**
 Soccer, Alex Feargrieve.
 Flag Football, Peter Cook.
 Volleyball, Gordon Plummer.
 Basketball, Mike Sayers.
 Hockey, Malcolm Jeffcock.
 Softball, Brent Hoyt.
- PADDLING,** Tim Schaus.
 Bowling, Jim Pincock.
 Floor Hockey, Tim Schaus.
 Broomball, George Matthews.
 Hockey "B", Lorne Astel.
 Basketball "B", Steve Plummer.
- GEOLOGY:**
 Floor Hockey, Robin Mann.
 Broomball I, Daryl Wightman.
 Broomball II, Janina Wysocka.
- CAMERON HOUSE:**
 Softball, Steve Locke.
- MEDICINE:**
 Soccer, Earl Wadden.
 Football "A", Dougal Chisholm.
 Volleyball, Jim Carter.
 Basketball, Gregg Donald.
 Hockey "A", Peter Wentzell.
 Softball (M), Dave Blair.
 Bowling, Bernie MacIntyre.
 Floor Hockey, Larry Leach.
 Volleyball (W), Jean Crosby.
 Co-Ed. Broomball, Estelle Cameron.
 Co-Ed. Softball, Beth McCormick.
 Football "B", Dave Malloy.
 Hockey "B", Bob Seymour.
 Volleyball "B", John Prentice.
 Basketball "B", Paul Smith.
- ARTS:**
 Hockey, Robert Grant.
- COMMERCE:**
 Hockey, Peter Budreski.
 Co-Ed. Softball, Eileen Holden.
 Softball (M), Moe Morash.
 Volleyball, Matt Boates.
 Hockey, Alan Campbell.
 Bowling, Jack MacDougall.
 Broomball, Bob Wright.
 Basketball, Robert Putnam.

Winners of team awards

- Rugby:** Peter Wainwright; Nevin Duplissis M.V.P.
- Women's Ice Hockey:** Robert Towner; Joan Proctor, Rookie of the Year.
- Scuba:** Bill Cooper; Dale Roderick, M.V.P.
- Nordic Ski:** Colin Stewart, Stuart Tilley.
- Sport Parachute:** George Haugan, Dave Williamson.
- Rowing:** Gary Garland; Dennis Holland M.V.P.
- Table Tennis?** Kamal Yokra; Ron Skinner M.V.P.

Extramural club awards

- Co-ed:**
 Softball — Pharmacy.
 Broomball — Law.
 Volleyball — Law.
 Basketball — Pharmacy.
- Women:**
 Volleyball — Shirreff Hall No. 3.
- Men:**
 Soccer — Medicine.
 Flag Football — Phys Ed.
 Volleyball — Transitional Year Program.
 Hockey "A" — Medicine.
 Hockey "B" — Engineers.
 Hockey "C" — Commerce.
 Bowling — Dentistry I.
 Floor Hockey — Commerce.
 Softball — Men's Residence.
 Basketball — Science "A"
 Dentistry "B".

Activities available in 1975-76

The following activities were available to students in 1975-76 through the Intramural-Recreation Office.

For men: Golf, Flag Football, Soccer, Ground Hockey, Softball, Tennis, Canoe Races, Ice Hockey, Cross Country, Volleyball, Paddleball, Basketball, Bowling, Badminton, Swim Meet, Floor Hockey.

For women: Golf, Tennis, Volleyball, Canoe Races, Broomball, Badminton, Bowling, Basketball, Swim Meet.

Co-ed: Softball, Volleyball, Badminton, Bowling, Broomball, Basketball.



The Intramural hat was tipped once again to Twin City Trailer, which generously provided a hospitality trailer to serve hundreds of students with information and as registration H.Q. Nila Ipson [in door], intramural co-ordinator, is pictured with students.

Leisure time classes popular

Dancing, fitness, yoga, flying, ballet, bartending

The Intramural and Recreation Program offered a varied and interesting leisure time class concept to the Dalhousie community.

The pilot program, under the able direction of Nila Ipson, has been well received by students, faculty, and staff of the university and the graces of social dance, ballet, yoga, gymnastics, men's and women's fitness programs and "mixology" (bartending) have been enjoyed by many.

A special self-defence class for women was offered on Sundays from 8-9 p.m.; emphasis of this course was on ways of avoiding attacks. It provided training in methods of escape from an opponent of superior strength. The course was taught by Dr. Robert Adamec.

Men and women who needed a little extra motivation to limber up met Miss Ipson (women's keep-fit instructor) and Dave Houlston (men's keep-fit instructor) in the lower gym two or three times a week.

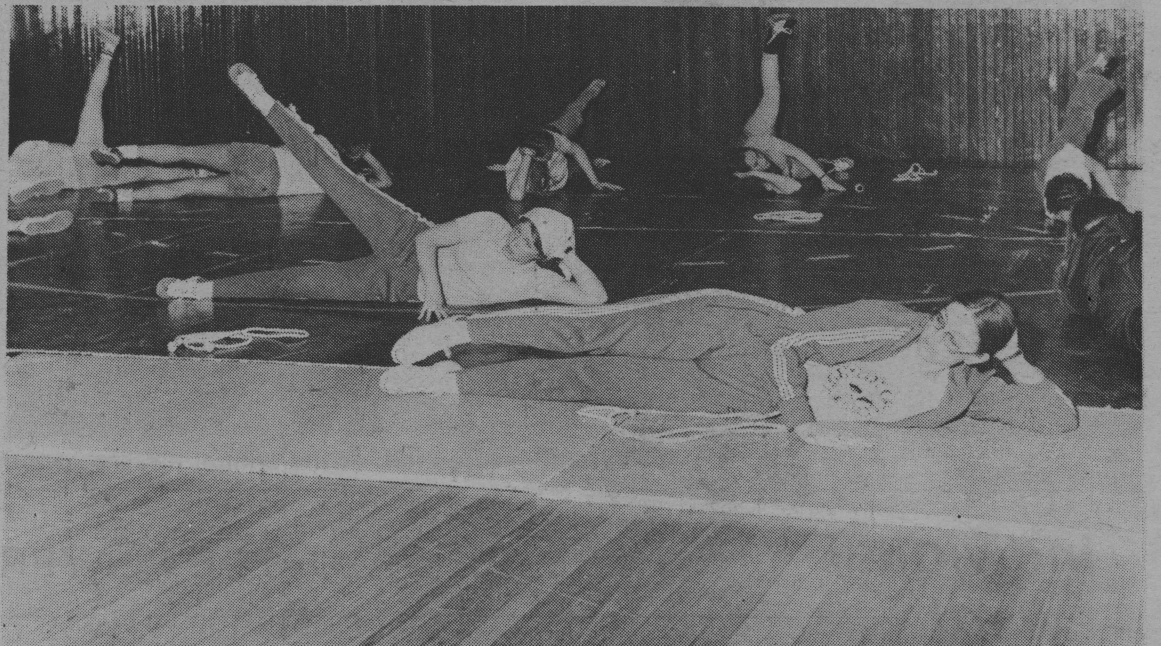
A co-ed basic course in beginner ballet was offered by Norah Stovel an accredited teacher. An experimental course, it afforded students, faculty and staff the

opportunity to express themselves in motion to music, and was so well received that it was necessary to section the class. The demand is still high and the university is now offering an extended spring class for those wishing to continue instruction.

Thursday and Saturday nights the dining room at Shirreff Hall was quickly converted to a dance hall where 200 students were taught by Evelyn Edgett. The rafters shook to popular melodies while young people embraced the art of social dance (as well as each other). All told the class was a "smashing success", and will be back in the fall at Shirreff Hall.

For those interested in meditating, relaxation and weight reduction yoga classes taught by Jim Khona of the Atlantic Yoga Centre were added to the list of leisure time classes. Class participants learned to tone up, reduce tensions and ease back problems and other physical-mental conditions.

Then came the Flying Tigers taught by Athletics Director Doug Hargreaves. Through the co-operation and assistance of the Halifax Flying Club the Dalhousie Intramural Recreation Services were



Keeping fit

pleased to offer ground school classes.

The package consisted of 18 hours of ground school and 10 hours of dual flying instruction, membership in the Halifax Flying Club and a student pilot's permit.

The ground school has proved to be a great success and Miss Ipson looks forward to hearing of the qualifying status of the class participants. Congratulations also to Doug, who did a tremendous job.

Last but not least by a "long shot" — the tinkling of ice in a metal shaker was a familiar sound to be heard every Saturday at the Dalhousie Faculty Club. Behind the bar instructing in a course on bartending (which was tagged 'Mixology') Len Cochrane shared his knowledge as a professional bartender with interested students.

Many who took the course hoped it would lend itself to helping them to get summer employment. Four sessions had to be offered to facilitate the demand and 'booze' at the club flowed in the direction of martinis, wall-bangers, angel's kisses etc.



Bartending



Dancing

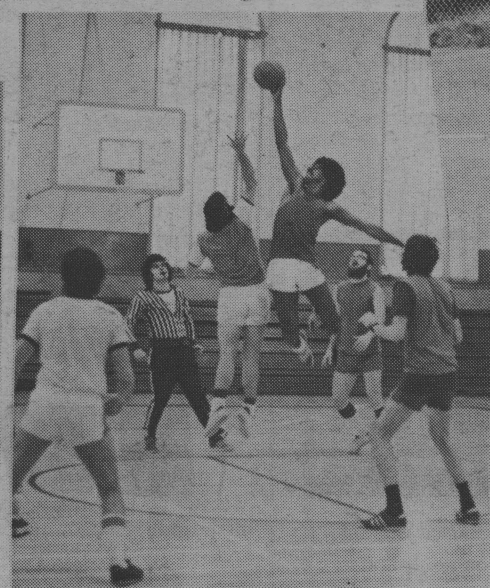
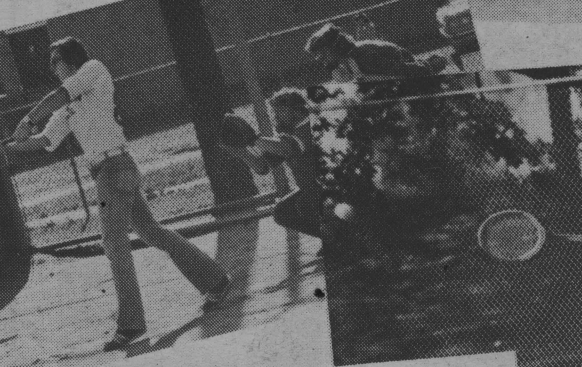
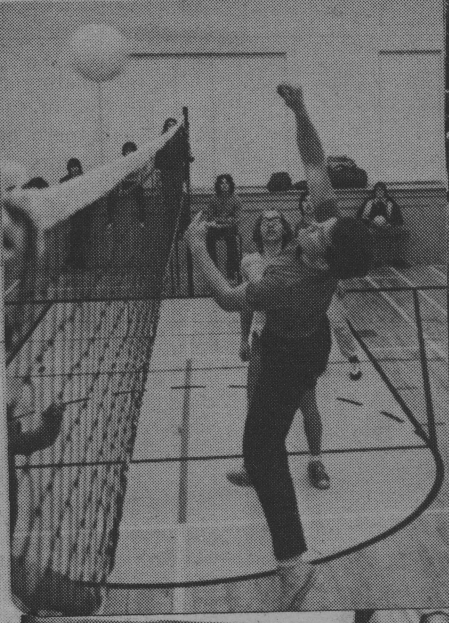


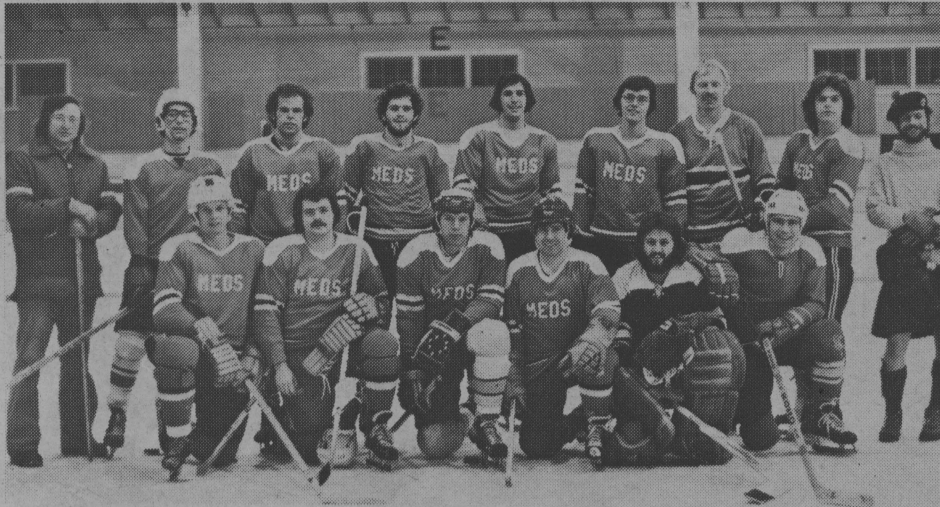
Ballet



Flying Tigers

Take your pick of the sports -- the Intramural Program has nearly all of them





Medicine — 'A' Division champions.



Engineers — 'B' Division winners.



Commerce — 'C' Division Champions.



The Broomball season was an excellent one, and all participants acquired the taste for the "ice frolics." The Intramural Office has been assured that next year it will undoubtedly grow in popularity.

Four teams played off for the championship. Law met Geology I, and Science met P.E. Grads.

Final: Law defeated Science 3-0.

Science I 'A' Basketball winners; Dentistry 'B'

Inter-Fac basketball came to a close with the finals being played in mid-March.

In Division "A", Science I beat Commerce 58-34. Science I showed good, all-round team play, many of their players having

been in competitive basketball over a number of years. Top scorer for Science I was Mike Sayers with 19 points; R. Putnam hooped 16 points for Commerce.

In Division "B", Dentistry raised the dust to beat Law II, 24-12.

Medicine "A" Div. winners

Dalhousie Rink bustled with activity in mid-March as the Faculty of Medicine was piped onto the ice. Enthusiasm was high as Medicine was pitted against Law for the Intramural "A" Division ice hockey championship.

The fast skating and expert stick-handling of the Medics, backed by superb goaltending saw the doctors upset the lawyers in a 7-2 victory.

Engineers, taking to the ice to the strains of "Mary had a little lamb", played on a trombone, were not to be outdone by Medicine's piper. The dedicated Science team skated well but lost the "B" Division championship trophy to Engineers. The two-game goal aggregate series ended in a 10-2 victory for the Engineers.

Perhaps the best attended and crowd pleaser of the night was provided by Commerce and Phi Delta Theta, in the "C" Division final. Commerce edged PDT in total goals for the two game series by 5-4.

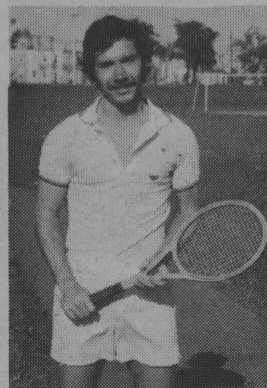
Excellent officiating by Peter and Paul MacDonald and Bob Connolly kept the game well under control and although tempers flared and elbows and sticks flew high, penalties were at a minimum and only one game misconduct marred the score sheet.



Lake Banook hosted the 1975 Intramural canoe races. Mother Nature co-operated, enhancing the best participation ever.

Tim Shaus (Science) and Richard Morris (Arts) — at top — won first place in the men's tandem division; and Peggy Christianson and Marg Morarity (lower photo) returned the best time for the women's division.

MacRae's 2nd win in tennis



Dave MacRae

For the second consecutive year Dave MacRae chalked up a win for the Medicine faculty in the men's singles tennis competition.

Valerie Dyer's hard playing against Sheila Connors netted her the win in the women's division for the Arts faculty.

Dorrick and Lynn Stow of the Geology department defeated Sheila Connors and Dave MacRae to take the Intramural mixed doubles trophy.

McSweeney badminton winner

The Intramural men's badminton play-offs were held in the Dalhousie Gymnasium last month.

Six were in the double elimination play-off. In first-round action, Earl Wadden defeated Ron Faron of Medicine and Eric Elridge beat Likini Eaper. Kevin McSweeney and Amil Joshi advanced on byes in the first round. Second round matches resulted in McSweeney defeating Earl Wadden and Joshi beating Elridge.

McSweeney and Joshi met in the semi-final and McSweeney won 15-17, 15-10, 15-4. Joshi then defeated Elridge in the consolation bracket and earned the right to challenge McSweeney again for the championship.



Kevin McSweeney

After two excellent games McSweeney emerged the winner, 15-11 and 15-13 over Joshi.

Special congratulations go to McSweeney as this is his second first place win in Intramural competition. He also won first place in the cross-country "Turkey Trot."

Dentistry raises alley roof, wins bowling crown

For the second time this year, the roof was raised at South Park Bowling Lanes.

The first occasion was the memorable March storm that caused heavy damage to the roof of the building.

The second (not literally, of course) was when the Faculty of Dentistry rolled their way to the Inter-Fac bowling crown. After nine weeks of dedicated bowling, the competition came to a close last month.

Those participating were as follows: Science I, Science II, Pharmacy, Dentistry I, Dentistry II, Commerce, Medicine I, Medicine II and Law.

Bowling was one of the most popular activities offered by the Intramural program and perhaps rates second to Broomball in co-ed participation and popularity.

Shannon and Dentistry best in golf tournament

Dr. Bill Shannon, of Phys. Ed. returned the best individual score, and Dentistry's was the best team in the annual intramural golf tournament played at Hartlen Point.

Fifty-seven turned out for the tournament, including staff, students and faculty.

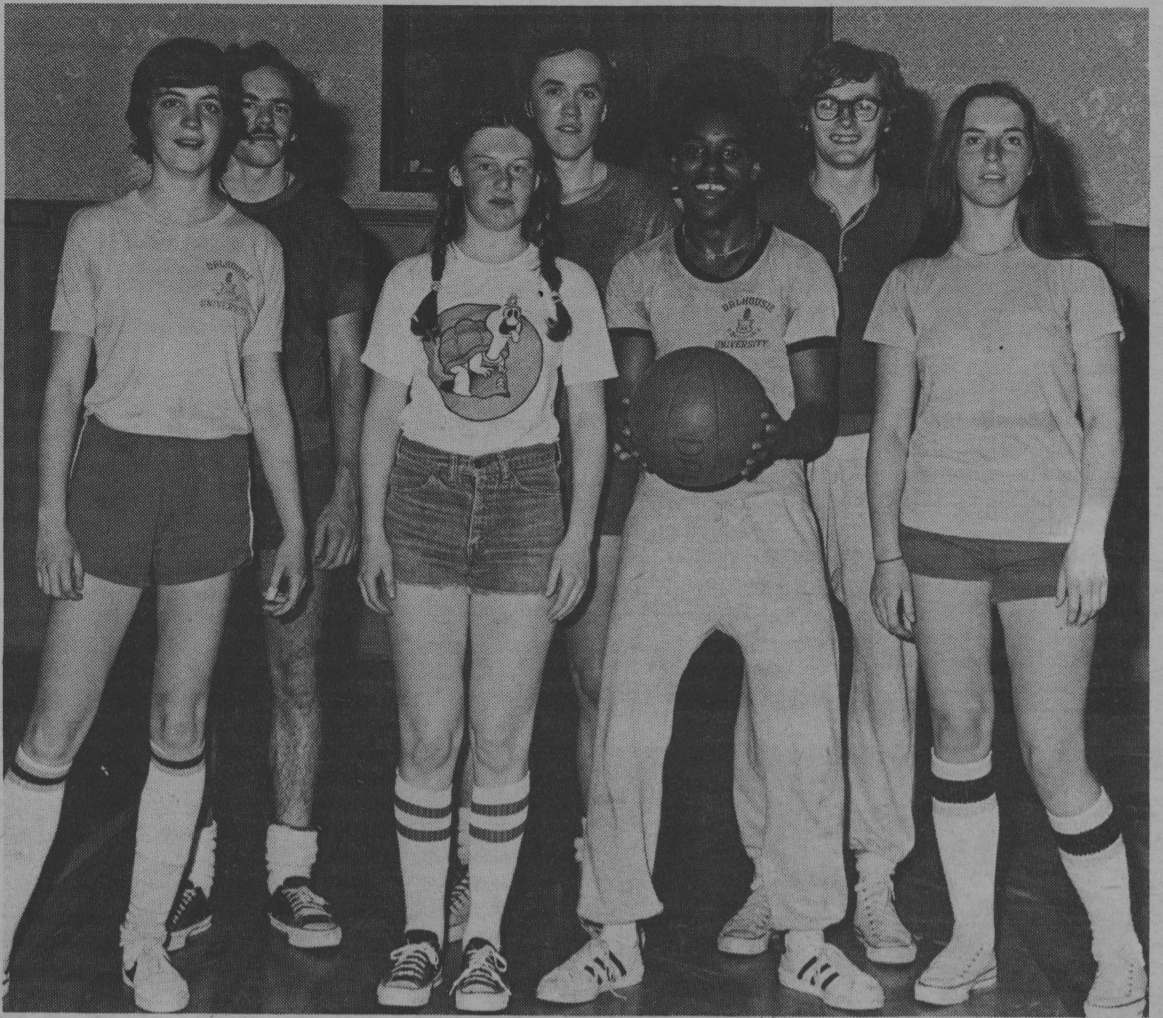
Scores were based on the gross for the front nine, a par 35, and the results were as follows:

Individual: 1, Bill Shannon, 40; 2, John Prentice, Med.; Terry Shaw, Dent.; and Wayne Garland, Dent., all 41; Earl Wadden, Med., 42; Tosh Hayaski, Law 43; Ron Weisfeld, Law, Ian McLennan, Law, Paul MacDonald Dent., and

guest Cormier Chabot all 44.

Team standings:
Dentistry, 125 points; Law, 105; Medicine, 85; Science, 65; Commerce, 45; Pharmacy, 20; Physical Education 15; Arts 5.

Special Awards:
Medicine, for having the only women (two) entered;
Phys. Ed. for the most faculty members (three);
Tosh Hayaski, most birdies;
Bill Le Claire, right handed golfer attempting to tee off with a left-handed club; and
To those who found more balls than they lost.



Pharmacy takes co-ed basketball title

Co-ed basketball ended with Medicine facing the sharp-shooting Pharmacy team. The game was a thriller for both participants and spectators. Becky Dobson of the Med team hooped 12 of Medicine's 35 points and Cathy Donovan was great on the boards for Pharmacy. The final tally was 36-35 in Pharmacy's favor.



Commerce floor hockey champions

Happy floor hockey heroes from the Commerce faculty congregated for a team picture after "wooping", the gentlemanly Science I team in a close game in which Science lost 2-1. Floor hockey, the most aggressive sport offered in the Intramural program, requires lots of stamina and muscle control.

GAME BIRDS

Bob Book, of the Dalhousie track and field team, returned the fastest time of the Thanksgiving Turkey Trot, a two-mile run around Point Pleasant Park, and took home a free dinner.

Mr. Book was first in the Dal Track Team (men's) Division, with a time of 10 minutes, 25 seconds.

Other Winners:

Div. 2, Men's inter-faculty: Kevin McSweeney, Arts; Div. 2 Women: Cathy Campbell, Phys. Ed; Div. 4, faculty; Harry Welles.

Forty-seven runners entered the race. The division winners each won turkeys; second-place got chickens and third-places a dozen eggs.



Medicine, (above) the "B" League Soccer champions, upset the heavily favoured "A" League champions, Science, 3-1 to win the intramural soccer championship. Medicine overcame a 1-0 deficit.



The Inter-Fac flag football league finished the season with team from "A" and "B" Divisions advancing to the playoffs. Physical Education (above) was the overall league champion.

The extramural concept

Broaden the base and increase the membership of the clubs.

That was the challenge Athletics Director Doug Hargreaves threw down to the extramural clubs involved in recreation and sport at Dalhousie.

The challenge was met and business has been booming.

While the clubs serve the Dalhousie community, it is hoped that they will eventually be broadened to embrace and serve and take part in outside community activities.

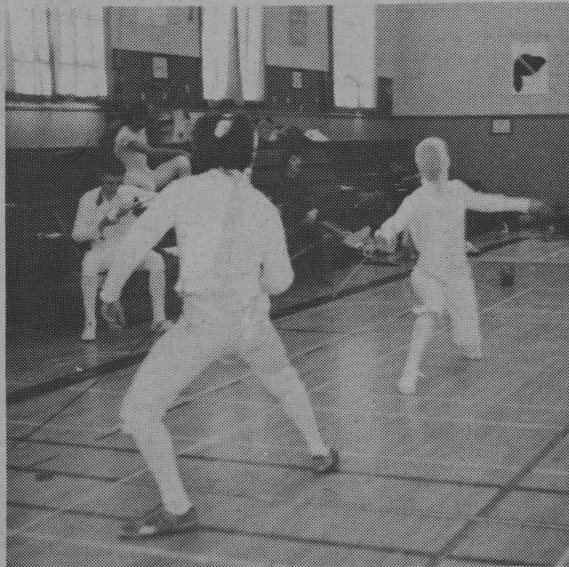
The focus on competition within the clubs is confined to the immediate geographic area although provincial and national representation has been entertained, encouraged, but has not been the clubs' prime objective.

Following are the clubs on campus:

Alpine Ski, Karate Club, Tuna Fishing Club, Cross Country Running, Rugby Club, Sailing Club, Women's Ringette, Gymnastics Club, Women's Basketball, Rowing Crew, Water Polo Club, Women's Ice Hockey, Table Tennis Club, Men's Basketball, Scuba Club, Fencing Club, Sports Parachute Club, Badminton Club, Golf Club, Nordic Ski Club, Curling Club, Track and Field.

Many of the clubs participated in various AUAU championships this year, which is indicative of the level of instruction and competition.

Most of the clubs had a successful season.



Nine teams

Dal's first women's ice hockey tournament was held last month in the Memorial Rink. The double elimination affair saw nine teams from Atlantic Canada compete for a championship trophy. Although the Dal team was not successful in gaining the trophy they fulfilled the objective of the club and participated in the championship game. The participation indicates the interest and enthusiasm of each player.

The women's ice hockey team also represented Dalhousie in a tournament held in Boston this past season and are to be complimented on their endeavours and accomplishments.

Coach Robert Towner has suggested that next year and years to follow may see teams from other parts of Canada and the United States participate in a Dalhousie-hosted competition.



The Dalhousie Alpine ski team emerged as the top Canadian team at the recent Can-Am Ski meet at Owl's Head, Quebec.

The team consisted of Gill Morrow, Mary Beth MacKenzie, Joanne Blaxland, Beth Mitchell, Larry Kerr, Greg "Boston" Larson, Ralph Petley-Jones, Greg Henry, Ted Musset and Mike Blaxland.

The team was fortunate to have Bill Honeywell as coach and Kell Antoft as manager.

In the individual results Joanne Blaxland took a sparkling third place finish in the

women's slalom. Joanne received a bronze medal for her consistently fine performance in all the other events.

It was Mike Blaxland's last race, which ended an outstanding university racing career.

The coming year is looked forward to with great optimism. A little help from Mother Nature (in the form of snow) could assist the team to become a force to be reckoned with on the international university level.

Dalhousie hosted its first ladies invitational ringette tournament in February. Six teams participated.

They were from Shannon, Woodlawn, District No. 7, Dartmouth, Bedford, Sackville and Canning.

The 1976 championship was awarded to Shannon, a well-deserved honor for this good sportsmanship and expertise in the game of ringette.

Class approval time-saver

RETURNING UNDERGRADUATE STUDENTS are strongly urged to obtain approval for their 76-77 classes before the end of the current academic term. Those who obtain such approval may be able to REGISTER BY MAIL during the summer instead of waiting until the formal registration period in September.

They are reminded that a normal class-load for a full-time student is five full and/or half classes per term (a total of five full classes per year). Permission to exceed such a class-load must be obtained from the Committee on Studies (Certain programs — B.A./B.Ed., B.Sc./B.Ed., B.Sc. with a major in Engineering and programs in the Health Professions excepted).

For your convenience, Faculty members will be available for consultation and Class Approval on the following days:

21, 22 April Life Sciences — Chemistry Link
(Hours 10a.m. — 4p.m.)

Completed Class Approval forms may be returned to Room 21 A&A Building on those dates. On other dates, they should be returned to Room 133B A&A Building. Timetable information will be posted in Departments, the Student Union Building and in Room 21 A&A Building. A copy of your academic record is enclosed; it should be shown to your Departmental adviser.

Registration materials and instructions will be sent to you in July. Students who complete their registration by mail need not attend the formal registration session in September but should visit the Health Centre and obtain validation of their I.D. cards soon thereafter. IT SHOULD BE NOTED THAT FEES MUST BE PAID TO COMPLETE REGISTRATION.

If you intend to pay your fees from a Student Loan, or from a scholarship, or if another agency will be paying them, you must come to the appropriate formal registration session in September.

Moreover, if you intend to register conditionally that is, on the basis of a commitment to pay fees at a later date, you must come to the appropriate formal registration session to make such an arrangement.

Students with outstanding accounts are not eligible to register. If any student with an outstanding account does register, the amount owed will be deducted from any payment made.

Dal Phys Ed. student in Olympic cycling trials



Bob Gardner

Bob Gardner, a 20-year-old Physical Education student at Dalhousie, is the latest Halifax athlete to make an attempt at gaining a berth in the Olympics.

The son of Mr. and Mrs. Ross Gardner, of Beech Street, Bob left for the Olympic cycling trials in Montreal this week.

Although cycling is not the most popular sport in the Maritimes, Bob is not a newcomer to it, having ridden competitively since 1971. He has been a member of the Nova Scotia Junior Cycling team since 1972 and has competed in Winnipeg twice, and in Toronto at the national championships, where he reached the semi finals in the sprints each time.

In 1975, competing as a senior rider for the first time, he was 14th in the 1000-metre time trial and 15th out of 85 of the country's top riders in a 120-mile road race.

Lack of adequate training facilities and competition, plus not having an experienced coach, have hampered his progress, but not his spirits or his desire to make the Olympic team.

Being able to train in Ontario during the summer has aided in his development, but the financial drain on him and his parents has been severe.

Cycling is a demanding sport and most riders do not reach top form until their mid-twenties. With this in mind Bob rides 50 to 60 miles a day.

Senate, Senate Council, Board of Governors Executive Committee of Board of Governors, Joint Committee of Board and Senate

Meetings scheduled for the academic year, 1976-77

Year	Month	Day	Time	Committee
1976	July	5 Mon.	10:00 am	Senate Council
		August	2 Mon.	10:00 am
	September	13 Mon.	4:00 pm	Senate Council
		20 Mon.	4:00 pm	Senate
		23 Thurs.	4:00 pm	Board of Governors
	October	4 Mon.	4:00 pm	Senate Council
		18 Mon.	4:00 pm	Senate
		28 Thurs.	4:00 pm	Exec. Committee Board of Governors
			4:30 pm	Joint Meeting - Senate Council
	November	1 Mon.	4:00 pm	Senate Council
		8 Mon.	4:00 pm	Senate
		25 Thurs.	4:00 pm	Board of Governors
December	6 Mon.	4:00 pm	Senate Council	
	13 Mon.	4:00 pm	Senate	
	16 Thurs.	4:00 pm	Exec. Committee Board of Governors	
1977	January	3 Mon.	4:00 pm	Senate Council
		10 Mon.	4:00 pm	Senate
		27 Thurs.	4:00 pm	Exec. Committee Board of Governors
		4:30 pm	Joint Meeting - Senate Council	
February	7 Mon.	4:00 pm	Senate Council	
	14 Mon.	4:00 pm	Senate	
	24 Thurs.	4:00 pm	Board of Governors	
March	7 Mon.	4:00 pm	Senate Council	
	14 Mon.	4:00 pm	Senate	
	24 Thurs.	4:00 pm	Board of Governors	
April	4 Mon.	4:00 pm	Senate Council	
	11 Mon.	4:00 pm	Senate	
	28 Thurs.	4:00 pm	Exec. Committee Board of Governors	
		4:30 pm	Joint Meeting - Senate Council	
May	2 Mon.	4:00 pm	Senate Council	
	6 Fri.	3:00 pm	Senate	
	12 Thurs.		Convocation	
	13 Fri.		Convocation	
June	6 Mon.	4:00 pm	Senate Council	

ALL MEETINGS ARE HELD IN BOARD AND SENATE ROOM,
ARTS AND ADMINISTRATION BUILDING

Registration for 1976-77

Formal registration sessions have been scheduled on the following dates:

Mon., May 17 — Summer School (1st session), A & A Bldg.	9:30 am— 6:30 pm.
Mon., July 5 — Summer School (2nd session), A & A Bldg.	9:30 am— 6:30 pm.
Tues., Aug. 31 — Law and Library Service	9:30 am— 4:00 pm.
Thurs. Sept. 2 — Outpost Nursing, Room 133B, A & A Bldg.	9:30 am— 4:00 pm.
Tues., Sept. 7 — Dentistry, Medicine, Dental Hygiene, Physiotherapy, Social Work	9:30 am— 4:00 pm.
Mon., Sept. 13 — New Undergraduate students	9:30 am— 4:00 pm.
Tues., Sept. 14 — New undergraduate students	9:30 am— 6:30 pm.
Wed., Sept. 15 — Returning undergraduate students	9:30 am— 6:30 pm.
Thurs., Sept. 16 — Returning undergraduate students and graduate students	9:30 am— 4:00 pm.
Fri., Sept. 17 — Returning undergraduate students and graduate students	9:30 am— 4:00 pm.
Sat., Sept. 18 — All categories of students	9:30 am—11:30 am.

Except as noted above, registration will begin in the Link area between the Life Sciences Centre and the Chemistry Building and continue on into the Arts and Administration Building.

Registration closes at 11:30 am on Saturday, September 18. Students who attempt to register after this should go to Room 21 during regular office hours. A LATE FEE WILL BE CHARGED TO LATE REGISTRANTS.

Social Work School goes to community on BSW proposal

The Maritime School of Social Work at Dalhousie University has been actively involved with outside community groups in developing a new Bachelor of Social Work degree program.

During two years of studies, faculty site teams have shared information with many regional social service agencies and other community groups in an attempt to formulate a program that would serve the best interests of the region.

At a recent conference, in Wolfville, the school staged workshops that provided immediate feedback on its proposals from faculty of the school, academics from several Atlantic universities, social agency personnel, and community representatives.

The meeting reviewed a brief from the Family Service of Eastern Nova Scotia and confirmed the need to upgrade professional qualifications of those now in the field; statistics show a large proportion of social workers in the Maritimes have little or no professional education, nor is there a licensing body.

Concerned consumers have already prompted several Canadian universities to revamp courses and establish programs offering a balance of practical and professional content at the undergraduate level. Increasingly, both public and private agencies are sending staff "back to school" and encouraging in-house professional development programs.

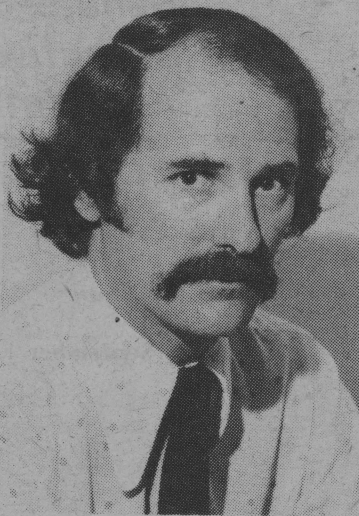
The Maritime school offers only a master's program with 100 students registered. This compares with an average of 26 students in equivalent Canadian programs.

If the BSW is approved, the graduate program will be reorganized for specialist training.

Immediate requirements for the region indicate that the employed worker should get priority in order that the system is updated effectively. Minority group students would also be given preference placement, followed by the mature students and the regular student who meets university entrance requirements. The latter is generally the target population for Canadian social work programs.

The school has received funding to study manpower needs in the region over the next few years and, with the Moncton University School of Social Work, has applied for a developmental grant for decentralized delivery of social work education in the region.

Since the school is oriented towards meeting the needs of the communities and the agency networks of the Atlantic region, every effort has been made to establish permanent effective communication channels and encourage participation and interaction with Dalhousie, a unique approach to developing a degree program in the Maritimes.



Prof. David Egan



B.C. Brookes

From bombs of the information explosion

Once an armaments designer, Mr. B.C. Brookes abandoned that work after World War II for information science, an area that was equally "explosive."

Mr. Brookes was in Halifax to deliver a lecture on "Jesse Shera and the Theory of Bibliography-Revisted" to Dalhousie Library School students and community librarians earlier this month. It was the last stop on his journey home to England where he is Reader in Information Studies in the School of Library, Archive and Information Studies, University College, London, England.

A Commonwealth Fellowship enabled Mr. Brookes to visit several schools across Canada to confer with faculty and undertake some research.

Varma lectures at new Globe

Dr. Devendra P. Varma, professor of English and Gothic-Dracula-Horror specialist, is off to Los Angeles next week.

He has been invited by the Shakespeare Society of America to take part in the Shakespeare birthday celebrations by delivering a lecture on "Shakespeare and Gothicism." The lecture will be given at the Globe Theatre, which has been constructed by the society and is a replica of the original in London.

Physiotherapy degree course begins in fall

Atlantic Canada's first and only degree program in physiotherapy is now in the process of considering applications for the four-year course which will begin at Dalhousie in September.

Enrolment is limited to 20 students.

The present physiotherapy diploma course at Dalhousie is an extended two-year program followed by a five-month internship. Students enrolled in that program will be graduated in the spring of 1977.

Dalhousie, says Professor David Egan, director of the School of Physiotherapy, was the last bastion of the non-degree program, and the evolution to a degree course will ensure that graduates will receive equal employment opportunity compared with other degree program graduates elsewhere in Canada.

The new program is designed to meet the increasing demands placed on the practising physiotherapist.

Physiotherapy involves primarily an evaluation of a specific physical problem together with the planning and execution of a treatment program using physical methods such as exercise, passive movement, hydrotherapy, various forms of heat, cold and electrical energy.

Decrease in normal physical activity may occur as a result of injury, disease or following surgery and may be associated with pain.

The therapist works in a variety of situations and while mainly concerned with a physical problem and its alleviation or restoration to normal, s/he must also be aware of other factors which may enhance or retard a

patient's progress.

An awareness of the possible socio-economic problems of a patient requires that the therapist work closely with other members involved in the patient-care program.

Reports Prof. Egan: "Experience shows that a physiotherapist undertakes responsibilities that could be better assumed by a person with a sound academic background".

"A physiotherapist must also be in excellent health as the work is very demanding. Other necessary qualities of a physiotherapist include empathy and initiative".

Students will take an initial year in a general arts and science program and then will be taught medical and physiotherapeutic sciences and practise them in a clinical setting.

The required amount of clinical practise necessary (1200 hours) for membership in the professional association is included in this course of study.

Prof. Egan says that in the last six years only 42.4 percent of the new registrants in physiotherapy in Nova Scotia have been Dalhousie graduates. He hopes that the new degree program will decrease attrition by attracting more mature students. Observations at other universities showed high drop out rates for students who entered the stringent degree offering directly from high school.

In addition, Egan is optimistic that new clinical facilities will soon be available and with these, enrolment can be expanded to a maximum of 36. It is anticipated that faculty will be increased from the present four to six, with two lecturers joining the school during the summer.

Atlantic Education conference Apr. 28

The Atlantic Education Association 1976 conference will be held at Dalhousie April 28-30. Registration is open to teachers, citizens and students interested in education and the development of the Atlantic region.

Conference organizer Eric Ricker, an assistant professor at Dalhousie, expects 400 people to attend. Plans have been confirmed for three evening addresses of particular public interest.

Political economist and educator, Dr. John Saul of York University, will speak on April 28 on the "Global Nature of the Underdevelopment Problem and the Role of Education in Understanding and Solving It". Dr. Saul returned from Africa recently where he conducted research for several years and maintains active information sources.

A political appraisal of governments, development strategies and education in Atlantic Canada will be undertaken by David MacDonald, MP, Egmont-Prince

Edward Island, on April 29. One of the panel members who will respond to Mr. MacDonald is Tom Kent, chairman of the Cape Breton Development Corporation.

Author of a history of the October 1970 crises (*Bleeding Hearts Bleeding Country*), a biography of Walter Gordon, and editor of *Canadian Forum*, Dr. Dennis Smith, will speak on April 30 at 7:30 p.m. His topic concerns regional development, education and Canadian nationalism.

Six morning workshops are scheduled during the meeting, and 13 papers will be given in the early afternoon followed by a late afternoon colloquia each day. Topics will be of interest to teachers and citizen groups (New Approaches to Co-operative Leadership in Social Organizations), to minority groups (Human Rights, Development and Education), to government personnel and students (Opportunities for Women in the Education System).

Good turnout expected for Dentistry's Assembly

Dr. Doug Chaytor, chairman of Dalhousie's renowned continuing education program in dentistry, expects a good number of dentists, dental hygienists and dental assistants to attend the 1976 Post College Assembly, May 9, 10 and 11 at the Arts Centre.

On display during the meeting will be interesting "ol' time" radiology equipment, preventive dentistry ideas and much more. Films and videos on a variety of topics will run almost continuously in the MacAloney Room and many seminars are scheduled.

Featured clinicians at the assembly will be the chief of paedodontics at the Hospital for Sick Children in Toronto, Dr. Arlington Dugy, and from the University of Alabama at Birmingham, Dr. Lincoln Mason-Hing.

Topics to be discussed by supporting clinicians include a

perspective on continuing education in the Atlantic provinces, a look at dental manpower needs, several discussions on various diseases and an outline of strategies for dealing with patients so as to minimize anxiety.

Post College Assembly participants have also been invited to attend Faculty of Dentistry convocations May 12 and the Dalhousie Alumni Association's annual meeting and social gatherings.

Georgina Calda of Dalhousie's Graphics Department ran a one-day workshop for the School of Library Service on "Graphics - how to put them to use."

Participants had the opportunity to observe and then work with various materials and aids that can be used in effective displays.

Getting their 'sea ears'

cont'd from p.1

gram is based on the premise that if man is to work effectively underwater, he will have to be able to navigate reliably. To do so, he must have or develop a sensory system which will do for him in water what the eyes do on land.

"The loss of visual functions does not prevent man from navigating effectively in air (e.g. a blind person) using auditory functions, and now we know that the auditory capacity of the submerged human ear is sufficient to make sound utilization feasible for underwater navigation."

In fact, experiments done in the Dalhousie project to date have shown that:

- 1) the acuity of underwater sound localization ability in man is of approximately the same order of magnitude as that of other marine mammals;
- 2) the precision with which a diver can localize an underwater source on the basis of sound alone approaches the precision possible with visual localization;
- 3) the binaural cues used for sound localization in air are probably the same ones involved in effective underwater sound localization; and,
- 4) divers can navigate effectively and efficiently underwater using only sound sources as homing beacons.

Although the ability to localize underwater sound sources has been shown to be quite precise, whether or not man can engage in underwater echo-detection is still open to question. One study has shown that submerged listeners can discriminate between good and poor sound-reflecting materials.

"This would suggest," says Dr. McNulty, "that perhaps man can develop the ability to echo-detect underwater."

One of the aims of the current research project is to investigate and define the limits of the ability of divers to detect, locate and identify objects on the basis of reflected sound.

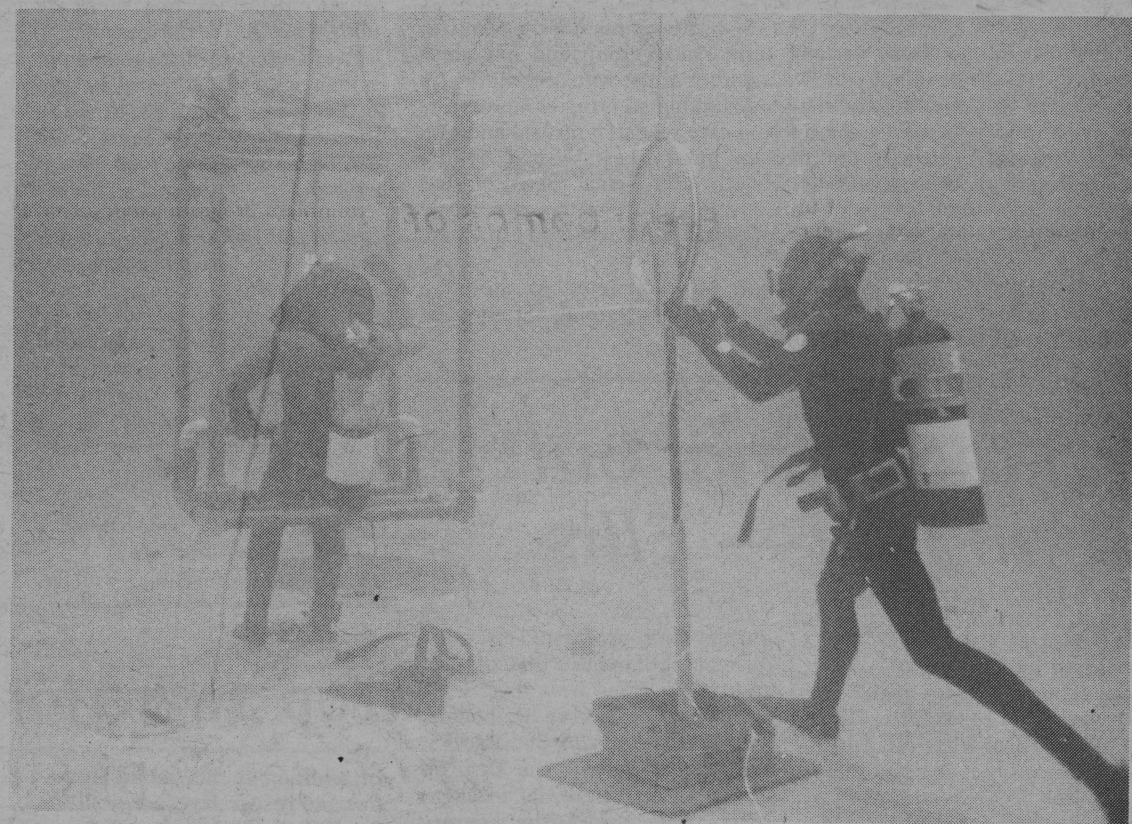
Subjects in the study involving distance discrimination of underwater sound sources include Cathy Enright, Gary Wharton and John Lindley.

Research associate and diving master of the project is Robin Morehouse. He is putting the divers through a series of practice runs to familiarize them in using sound to locate underwater objects. Divers hear a signal through a stable hydrophone, the another comes from a moving hydrophone. The subject raises the appropriate arm to indicate whether the second sound was closer or farther away than the first.

"Humans just aren't accustomed to using their ears underwater," says Morehouse. "We combine the stationary practice phase with



Psychology professor John McNulty [left] debriefs research associate Robin Morehouse [middle] and subject Gary Wharton as they emerge from the salt-water Aquatron. Current research being carried out is concerned with underwater sound localization and echo-detection in humans. [John Donkin, A/V Services]



Subject Gary Wharton sits in an underwater cage in the Dalhousie Aquatron. His right arm is raised, signalling diving master Robin Morehouse that he is indeed discriminating differences in distance of sounds the researcher is making. [John Donkin, A/V Services]

visual feedback. Then subjects will go through a training phase, where they move towards sound. The divers by that time will be familiar with hearing underwater - they'll have their 'sea ears' - and we can start collecting data."

"Just one of the practical applications of training divers to utilize the auditory sense is eliminating the need for a diver to surface to get his bearings. That's a waste of time and air. They'll be able to use sound beacons to orient themselves," says Dr. McNulty.

He suggests that the system will also be valuable on diver retrieval emergencies.

Further stages of the Dalhousie

project will be carried out away from the calm, clear waters of Dalhousie's Aquatron Laboratory sea-water tank. As with previous research on the project, plans call for work in open waters to provide natural conditions for underwater sound-localization and echo-detection tests on humans.

Dr. McNulty's research has been supported by grants from the Defence Research Board of Canada which terminated its grants program on March 31, because of budget restrictions. Some support is now provided by the National Research Council of Canada, but little funds appear to be available in Canada for this type of research.

Speakers Trail

'No energy policy in Canada'

Canada has no energy policy except to further exploit oil bases, according to Dr. R.G. MacDonald, York University professor, who addressed a recent physics seminar, Renewable Energy and Energy Policy for Canada.

He said the amount of federal money available for renewable energy was minimal when in fact serious consideration should be given.

In a study prepared for the federal Department of Energy, Mines and Resources by an interdisciplinary team of which MacDonald was one, 16 new renewable energy techniques were assessed to determine how they could fill Canada's needs.

Three that have potential from the perspectives of technology, economics and implementation by 1979-80 are: solar energy applied to space and water heating, electricity by wind, and the biomass resource from methanol.

'Wind power may be the answer'

Wind power for heating may be the answer to our growing energy problems. It's a natural resource, demanding a simple type of technology to harness it, and one that requires a minimal capital-intensive industrial backup.

These were the comments expressed by Steve Gramowitz and Barry Davis, operators of Quest Engineering in Dartmouth, who addressed a physics seminar on wind power last week. They have a combined background in electrical and aeronautical engineering with broad industrial experience interested in construction and application of wind turbines; they regard its potential for heating as a real possibility for the Maritimes.

Based on accurate record-keeping of the average wind speed, they have been able to calculate the amount of power that could be generated at varying velocities. During the seminar they developed a cost analysis of heating by wind and explained how their turbine was built.

At the Arts Centre

The Dalhousie Music Department's Easter concert is a special all Bach presentation Sunday in the Cohn. It's open to all (gratis) as is Nova Music's Sunday concert April 25.

On April 21 Alfred Brendel, classical pianist, will play in the Cohn. Cultural Activities reports that Brendel, now at the height of his career, is likely to be the man of the season.

In May, the Nova Scotia High School Drama Festival will be held at the Arts Centre (May 2 - 9). The event is co-ordinated by the Theatre Department with

special assistance from the provincial recreation department.

Over 40 high schools will participate in the week long festival of performances and workshops.

Don't miss Stephen Cruise-Sculptures in the Art Gallery April 26 - May 22. The young Toronto artist creates "environments using primitive symbols for expressions."

The Arts Centre hosts Hank Snow in May and throughout the summer months will be featuring films and concerts, conferences and shows.

From Edinburgh to Dalhousie

Dr. M. Scott Wright new nursing director

Dr. Margaret Scott Wright, director of the department of nursing studies at the University of Edinburgh since 1968, has been appointed director of the School of Nursing at Dalhousie, it has been announced by the president, Dr. Henry D. Hicks.

Dr. Scott Wright is due to arrive in Halifax next month, when she will take over her duties. She succeeds Professor Muriel Small, who has been acting director for nearly two years.

Prof. Scott Wright was educated at the Count Grammar School for Girls, Wallington, Surrey, and the University of Edinburgh where she was graduated with an honors degree in history in 1946. She then worked for three years as a research assistant in the Unilever organization before training as a nurse at St. George's Hospital, London.

After becoming a State Registered Nurse, she spent a further year qualifying as a midwife. In 1957, after a period as staff nurse and then ward sister at St. George's Hospital, Prof. Scott Wright was appointed Boots Research Fellow in Nursing in the Public Health and Social Medicine Department of the University of Edinburgh.

For the next four years she worked on two studies concerned with the characteristics and education of student nurses throughout Scotland. Both projects provided data for the preparation of the thesis for which Prof. Scott Wright was awarded her PhD in 1961.

In 1961, Prof. Scott Wright was awarded a Rockefeller Foundation Fellowship to visit the United States and Canada to study nursing administration, education and research. On returning to the United Kingdom in 1962 she was appointed deputy matron of St. George's Hospital, London.

From 1965 to 1968, when she was appointed director of Nursing Studies at Edinburgh, Prof. Scott Wright was matron of the Middlesex Hospital



Prof. Scott Wright

Teaching Group in London.

She has been adviser to the World Health Organization on various aspects of nursing education and research. In 1965 she was elected to membership of the General Nursing Council for England and Wales.

From 1966-1968 she was a member of the Minister of Health's long term study group and has since been appointed a member of the Ministry of Health and Royal College of Nursing steering committee to supervise the nursing care research project and also of the committee on nursing established by the Department of Health and Social Security and the Scottish Home and Health Department to report to the Secretaries of State on the role and education of the nurse.

Prof. Scott Wright was appointed to the then newly established Chair of Nursing Studies at Edinburgh in 1972. ■

Nursing's come a long way

— and especially at Dalhousie

It's currently a tremendously overused line - "You've come a long way, baby"! - but in this case quite appropriate.

From the days of Florence Nightingale, the nursing profession has come into its own.

The Dalhousie School of Nursing has been active in increasing public awareness of the nurse as a fully qualified and competent member of the health team. The traditional 'tender loving care only' image is fast disappearing.

There can be no question that the profession has matured. Over the past few years, the massive curriculum analysis at Dalhousie's school has defined a conceptual framework which will meet the changing health needs of the community and the professional demands on nurses efficiently and innovatively.

The school has grown, both in numbers of students and faculty; 10 years ago there were just three people on staff and now there are more than 30 on the payroll.

Every effort is made to keep in contact with the community and to evaluate programs through questionnaires to graduates and feedback from associated health services.

Representatives from regional agencies, hospitals and other disciplines were invited to attend a one-day conference last week organized from start to finish by graduating students. Entitled "Nouveau Info", the focus was on the findings of 15 research projects carried out by fourth year BN students. Presentations ranged from a discussion of "Factors influencing patient orientation in a post-operative cardiovascular unit" to "Preoperative teaching and its

effect on patient anxiety".

The sharing of resources with the community and the relationship of the university to service agencies is emphasized at Dalhousie by Dr. R.M. MacDonald, Dean of the Faculty of Health Professions, and by Professor Muriel Small, who took over as acting director at a critical time in the school's development.

Miss Small quickly drew the faculty together into a cohesive unit that easily gained the respect of other health professions both on and off campus.

In 1975, Professor Small was named director pro-tem. She had earlier been appointed the nursing profession's representative on the Nova Scotia Health Services and Insurance Commission and continued in that capacity.

Community health nursing has been an area of concern for being small, who worked with the Metropolitan Health Services of Vancouver and in the same area at the University of Toronto.

At Dalhousie, she taught in the CHN program and was involved from 1970 with the post-RN degree here.

As an enthusiastic educator, she actively encourages faculty to pursue further education and places emphasis on the development of continuing education in the region. Several projects have been initiated in the past year in the community but nurses are demanding more, she says.

She graduated from McGill's BN program and obtained her MA at the University of Washington in Seattle. Professor Small is active in the promotion of the nursing profession and improving the health care delivery system in Nova Scotia. ■

Coaches out recruiting, but education still first — Ellis

Winning isn't everything, but students athletes and supporting crowds are entitled to positive experiences...

Already, coaches of the big three sports (basketball, hockey and football) have been on the road promoting Dalhousie's athletic program.

Is this a change in Dal's recruiting policy?

Speaking at a press conference last week, Dr. Mike Ellis, Director of School of Physical Education, revealed that coaches Pierre Page, Bob Thayer and Al Yarr would be released from some

duties to concentrate on team development in the high exposure sports.

"We're promoting Dalhousie, not just the school of athletics. We're working with the Dean of Freshmen's office to let the high school kids across the country know what we have to offer so that they can make an intelligent choice. But we're not offering financial benefits to the athlete in any way; academics are still very important," said Dr. Ellis.

Media were informed that construction on the physical education, recreation and sports centre would begin in June or July and complement the first-rate academic component of the school's program.

A search committee has been established to locate the best person to fill the vacant director of athletics and recreation position at the school.

"It's important to get the right person," said Dr. Ellis. "When you're responsible for the athletic and recreational needs of a community bigger than the typical Nova Scotia town, you've got to be a good administrator and knowledgeable of the Canadian sports and recreation scene." ■

1600 to attend Biological Societies conference

Fourteen sessions will run simultaneously, and there will be displays of major scientific distributing and publishing companies, tours of local facilities, and social activities. Each society generally holds its business meeting at the conference.

Plans are well under way for the annual conference of the Canadian Federation of Biological Societies June 14-18, during which Dalhousie University will

host over 1,600 delegates.

Representatives of the eight societies comprising the Federation (the Canada Physiological Society, Pharmacological Society, Association of Anatomists, Biochemical Society, Nutrition Society, Society for Cell Biology, Society of Microbiologists and the Society for Immunology) met at Dalhousie organizers last month to review 730 abstracts submitted for presentation. ■

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Top award for Ellis

In addition to his administrative and research responsibilities, Dr. Ellis is highly regarded as a teacher in the recreation and leisure studies field. Several of his former students have done well in their careers and one, Dr. Gert Scholtz, recently became a full professor only three years after graduating. Dr. Scholtz is the co-author of Dr. Ellis' latest book.

Since he has been at Dalhousie, Dr. Ellis has been active in the planning of the physical education, recreation and sports centre which the university is building.

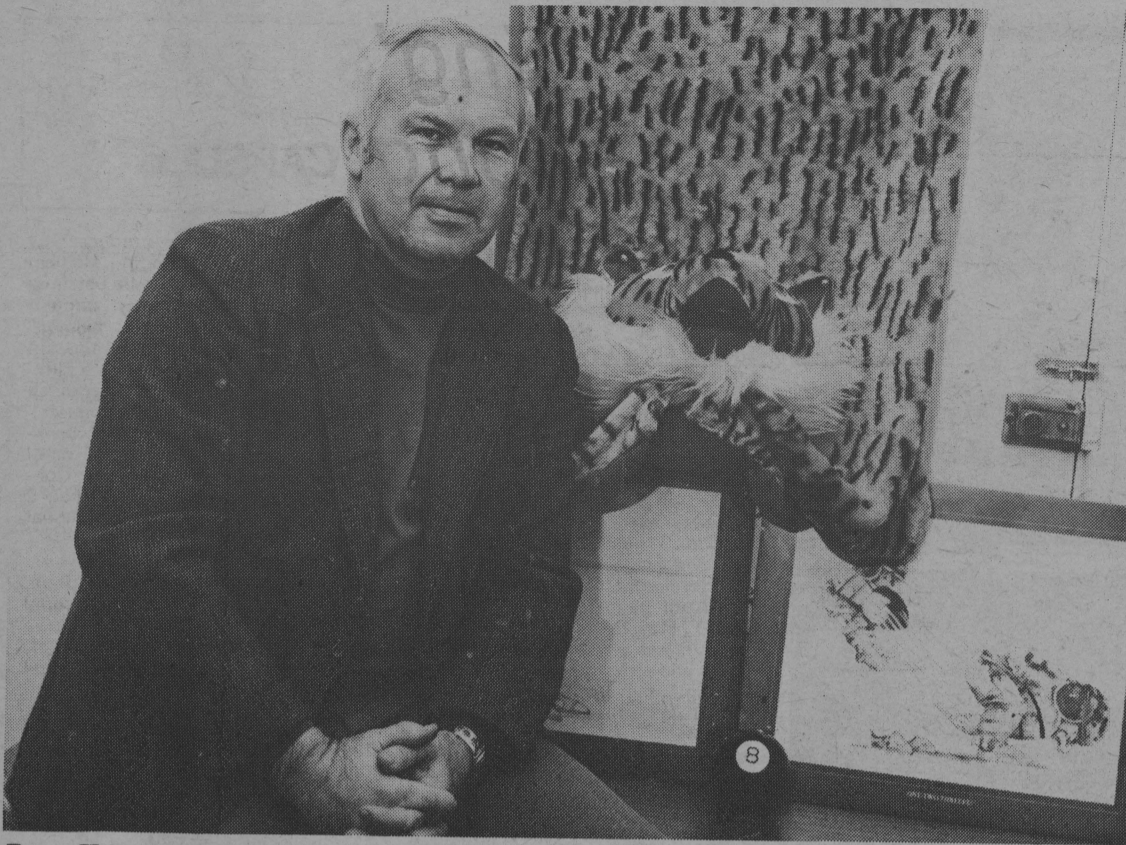
Dr. Ellis was to receive the Brightbill Memorial Award at ceremonies at the University of Illinois today.

Dalhousie Faculty Association ANNUAL GENERAL MEETING

3 pm, April 30
Great Hall, Faculty Club

Agenda:

- 1 - Amendment of constitution/DFA-CAUT interlocking membership.
- 2 - President's report.
- 3 - Treasury report.
- 4 - Election of officers (nominations should be sent or phoned to Dr. H.W. King, Eng.—Physics Dept., Room 332, Dunn Building; 424-2356)



Doug Hargreaves — in his Tigers' lair.

Dal's loss, Queen's gain

Dalhousie University "pestered" Doug Hargreaves until he accepted, in 1972, the position of football coach of the Tigers and athletics director of the School of Physical Education.

He came to the Maritimes knowing something about the area. He served as Base Physical Education and Recreation Officer, Canadian Armed Forces, at Shearwater 1970-71. You'd have thought he was a native, the way he pushed "to give the Maritime kid a chance to play" varsity sport.

In fact, Hargreaves has "been on the battle field" since he came to Dal; he's fought for new facilities; he's fought for his ideals.

A jock with a philosophy? It's got to be one of play to win!

But to review the record the Dal Tigers have never had a winning "Sure I'd have liked to win", says Hargreaves, "but Dal students are here to get an education

By
Allison Berry

first, and second, if they can afford the time away from books and want to give the effort to play college sport under some superb coaches".

But Dal doesn't offer financial incentives, so it doesn't get a lot of the raw talent. And Dal doesn't encourage coaches to recruit players with a line that everything will be taken care of for them.

The university's Information Office provides a Speakers Bureau service (free of charge) in the Halifax-Dartmouth area. The service, begun last year, has experienced a doubling in requests during the 1975-76 academic year.

The office is now updating its speakers resource list. If you are interested in letting your name stand as a possible speaker, please complete the form and return to:

Mrs. Green, Information Office, Old Law Building

Your Name: _____

Your Rank and Dept.: _____

Your Subject Title: _____

"We get kids who expect coaches to do everything for who is wooed expects it. But let's not blame him. We've created a monster".

Doug Hargreaves' philosophy in his four years at Dal has been to give the Maritimer a chance to compete in intercollegiate athletics.

He's leaving that mark firmly stamped in the minds of many, having said it to Halifax media, and talked it over and over with coaches and players.

So now he's going home to his alma mater, to one of the most prestigious jobs in Canada, the head football coaching position at Queen's University. It's something Hargreaves has wanted.

He's coached football in his hometown of Sault Ste. Marie and for the Royal Military College at Kingston. He was assistant coach at Queen's while in the RCAF, in which he had two stints, one as a flying instructor, another as air-crew captain and later athletics officer.

Hargreaves is a leader. He has co-ordinated the athletics and recreation program at Dal expertly.

He's a top notch administrator, teacher, communicator and coach with a philosophy that he's carried out in his personal and professional life.

Even while he was juggling schedules, coaching, being a father and husband, he managed to complete the requirements for a MSc in Physical Education. His thesis, which he completed in 1975, was "A Canadian Definition of Athletic Scholarship".

After Hargreaves leaves Dalhousie and Halifax, his philosophy will remain, and you can be sure that includes his competitive spirit. The Tigers won't be yelling "God save Queen's"!

Dal to host Eastern region fencing championships

N.S. to be well represented

Most of Canada's top fencers will be on hand for the Eastern Canadian championships of the Canadian Fencing Association, to be held in Halifax next month.

The championships, to be held on Saturday and Sunday, May 1 and 2, will be in sabre, men's and women's foil, and epee competitions. The event will be based in the gymnasium at Dalhousie University, with additional pistes being located in the Great Hall of the nearby Dalhousie Faculty Club.

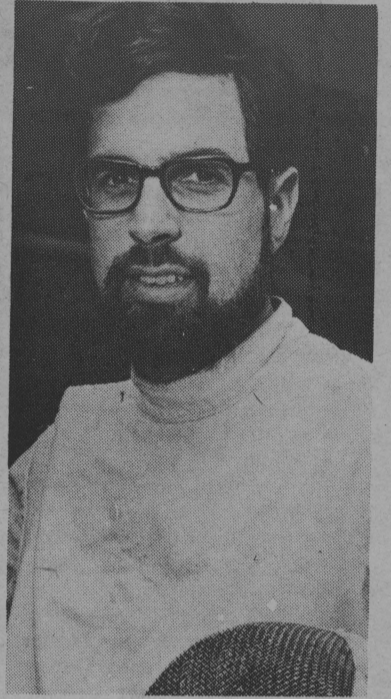
Tournament co-ordinator Dr. William Silvert is delighted the Eastern championships venue is Nova Scotia.

"I think that the selection of the province as the location for the event, particularly since the Montreal Olympics make this the most important year in the history of Canadian fencing, is an indication -- indeed a tribute -- to the high status in which Nova Scotia fencing is regarded on the national scene, and it marks the

Dr. Silvert, past-president of the Fencing Association of Nova Scotia and a stalwart in the Dalhousie University Fencing Club, says that about 100 of the Eastern region's best fencers are expected to be in Halifax for the tournament. The Eastern region covers Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland, and includes 80 per cent of Canada's competitive fencers.

The tournament, the biggest fencing event to have been held in the Atlantic provinces, is one to the current year's series sponsored by the Canadian Fencing Association and represents one segment of the Olympic trials.

Four champions (in men's and women's foil, sabre and epee) will be determined at the Halifax tournament, but medals will be presented to the top three in each category.



Tournament co-ordinator
Bill Silvert.

Equally important, the final standings will play a major role in determining who will be selected for Canada's Olympic fencing team.

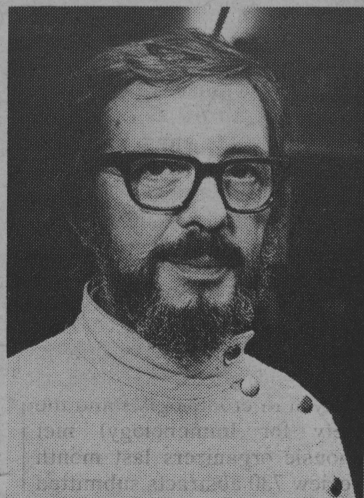
The turnout for the Halifax is better than anticipated. "We had hoped to attract about 70, but there has been such a good response from fencers in the Eastern region that we may have more than 100," says Dr. Silvert.

In addition, leading national and regional representatives of the CFA will be in attendance, and many of these will be candidates for officiating posts at the Olympic Games.

Nova Scotia, where the number of fencers has tripled in the past year alone to over 200, according to Dr. Silvert, will have one of the largest contingents at the Eastern championships, with at least two dozen fencers. Canada, a young fencing nation compared with Russia, France, Hungary, Britain, now has about 5,000 fencers, 2,000 of whom are members of fencing associations or clubs.

Most of the fencers and officials attending the Eastern tournament are expected to arrive in Halifax on Friday, April 30. Following a reception at the Dresden Arms, CFA officiating examinations will be held if demand warrants it. In addition, the lower gymnasium at Dalhousie will be available for practice and coaching.

Lucien Ledaire, current president of the Fencing Association of Nova Scotia, is the deputy tournament co-ordinator, and is in charge of all technical arrangements. Mr. Ledaire is the coach of the Dalhousie Fencing Club as well as being the Nova Scotia provincial coach.



Deputy tournament
co-ordinator Ledaire

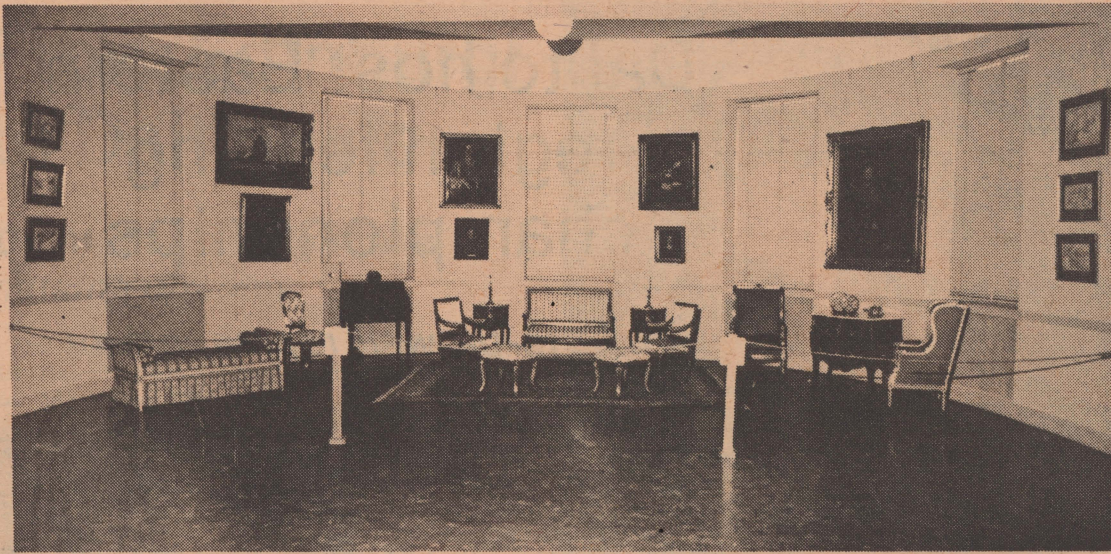
speakers bureau
speakers bureau
speakers bureau
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speakers bureau
•
a service
offered to the community

Cont'd from p. 1

125 votes -- eight short of a majority of the total membership -- were received.

Of these, 43 said 'Yes, cut the size,' 81 said 'No, don't' and one ballot was spoiled.

What now? Senate was due to meet again last Monday (after University News deadline) and presumably the matter would be reported up. But Vice-President W.A. MacKay said last week it appeared that since a majority had not responded in the vote, there was in fact no recommendation to go before Senate.



Above: A typical 18th Century styled salon, arranged in the Public Archives of Nova Scotia, was one of a number of exhibitions staged for the conference of the Atlantic and Canadian Societies for 18th Century Studies at Dalhousie last week.



At right: Dr. J. R. Lawler, chairman of the French Department, with Dr. Lester Crocker, one of the keynote speakers at the two-day conference.

[John Donkin, A/V Services]

A power wheelchair for Donna

\$1,000 raised, \$500 needed

Members of the Dalhousie community have responded quickly and generously to the Donna Crawford Power Wheelchair Campaign. To date, \$ 1,000 has been contributed, leaving only \$500 to reach the target of \$1,500 which is needed to buy an electric wheelchair.

It is anticipated that, with faculty support, the university community will be able to pay in full for the wheelchair and supply Donna with a fund for maintenance of the machine, which the Canadian Paraplegic Association says is somewhat costly.

The Dalhousie Staff Association approved at its April meeting the following proposal:

"The D.S.A. will make a donation from D.S.A. funds to the Crawford Power Wheelchair Fund equal to the total amount donated by all Dalhousie Staff Association members, up to a maximum of

\$300.00".

President Ben Fullerton pointed out that if the timing had been different, Donna would have been "one of us".

Many of those who worked with Donna in the Arts and Administration Building, but are not eligible to be members of the DSA have contributed to the fund.

The Dalhousie Faculty Association is unofficially supporting the fund drive, as it has not been able to bring it up at an executive meeting and the annual meeting is not until the end of April. At that time, a proposal is likely to be put to the membership to contribute to the campaign.

The notes that have been received from many contributors are being acknowledged and the Paraplegic Association is sending out income tax receipts for all donations as the Information Office turns them over.

'75 directories available

The Information Office has a goodly number of 1975 university telephone directories on hand.

True, some of the entries are out of date or have been changed, but the book may be useful to anyone who is not in possession of one.

Anyone in the university needing a directory may pick one up at the Information Office, Old Law Building.

Beef on a bun went down well at the club

More than 250—faculty and guests—enjoyed beef-on-a-bun at the Bank of Nova Scotia—sponsored Twofers earlier this month at the Faculty Club.

There may be another sponsored gathering before the campus empties for the summer.

Maharaja Night, an evening of entertainment and exotic foods, was cancelled when not enough members bought tickets. But far from being discouraged, the club's Social Committee is developing plans for some good parties come fall, which will bring out the members, especially the sponsored ones.

There has been an increase in the number of departments using facilities and more members are enjoying lunch and dinner at the club, even though prices had to be raised slightly.

university news

CAPSULE

...Friday-at-Four lectures will continue on April 23, 30 & May 7 ... Seminars in the Department of Chemistry series will take place on April 20 (4 pm) & May 7 (1:30 pm) in Rm 215, Chemistry Bldg...A geology seminar dealing with computer modeling of energy resource developing will be given at 5 pm, April 22, Rm 304, Dunn Bldg...Microbiology seminars will be held at 1 pm, Rm 7C1, Tupper on April 19 & 26...the concluding seminar in the biochemistry series will be delivered at 4 pm, April 26, Theatre D, Tupper...Advanced Management Centre's executive development seminars will be held April 20/21, May 11-14, May 19/20; May 26/27.

...Summer hours go into effect at Killam and Macdonald Science libraries beginning April 23. Check the Information Bulletin for times.

...Peter Clark has been elected sec-treas. of the Atlantic Association of Sociologists and Anthropologists.

...a program of continuing education for nurses and pharmacists related to the elderly will be offered at 8 pm, April 21, Tupper Bldg.

...a two-day symposium on sports injuries and sport science was conducted recently with Dr. Iyle Micheli, division of sport medicine, Children's Medical Centre, Harvard serving as special guest. Personnel from Dalhousie's medical and physical education schools were all active participants.

...Institute of Public Affairs continues to publish works of direct interest for the Atlantic region. Order forms and a list of recent works can be had from the Institute.

...Prof. J.G. Ogdan III delivered a public lecture at U.P.E.I.

...Dalhousie medical staff based in Halifax and Saint John, N.B. took part in a series of community hospital programs and clinical days at centres in N.S. and N.B. Taking part were: L.K. McNeill, J.R. Dill, F.A. Davis, C.K. You, P.L. Landrigan, R.T. Michael, all from Halifax; H.M. MacSween (Fredericton), J.C. Pond, and J.S. MacKay from Saint John.

...Faculty of Medicine made available for viewing a series of three

20-minute videotapes produced by the Network for Continuing Medical Education. They can also be obtained from the Kellogg Library through interlibrary loan. Subjects: pulmonary embolism; levels of evaluation and treatment; Tuberculosis: a clinical 'sleeper'; a Physiologic Approach to the Diagnosis of Hypothyroidism.

...Consumer Association of Canada will sponsor a lecture on Homebuyers Protection Scheme with Hon. W.R. Fitzgerald as guest speaker, 8 pm, April 22, Dartmouth Regional Library.

...K. Scott Wood, Research Associate, Institute of Public Affairs, has been appointed to the Editorial Advisory Committee of *Urban Forum / Colloque Urbain*, the quarterly journal of the Canadian Council on Urban and Regional Research (CCURR). The Institute also has representation on the Council Board: Kell Antoff, IPA Assistant Director, is the CCURR board member for the Atlantic Provinces.

...The Socio-Economic Impact of Kejimikujik National Park is the title of the paper to be presented by Dr. Andrew S. Harvey at the Northeast Regional Science Association Annual Meeting April 23-25 at Cornell University. Dr. Harvey is a Research Associate in the Regional and Urban Studies Centre of the Institute of Public Affairs.

...The Dalhousie Nursing Alumni Association will entertain '76 nursing graduates on Tuesday, May 11, from 7 to 10 pm in the Students' Lounge in the basement of the Forrest Building. Further information: Dolores Wilmshurst, 443-3550; Florence Zusman, 429-9272; Claudia Byron, 425-6045; Peggy Bentley, 423-0755.

...Peter Waite and William J. Archibald, both Fellows of the Royal Society of Canada, will deliver two of the four addresses at the annual regional meeting of the society to be held at St. Francis Xavier University on April 20. Prof. Waite will read a paper entitled *A Nova Scotian Goes to Ottawa, 1885: J.S.D. Thompson, Minister of Justice*. The subject of Dr. Archibald's address will be *Is Science Enough*.

Newton originals on display

The original editions of Issac Newton's *Principia* are on display in the Macdonald Science Library until later this month.

The first edition published in London, appeared in 1687 under the editorship of Edmund Halley. It is the famous, rare and valuable edition which consists of no more than 250 copies. The Dalhousie edition is from the Morse Collection.

Newton, who was persuaded to compose his 'divine treatise' by Edmund Halley, secretary of the Royal Society, completed the manuscript in 18 months, at which time Halley assumed editorial responsibility. He checked calculations, arranged for woodcuts, oversaw the printing, corrected proofs, dealt with booksellers, promoted, publicized and popularized the book.

According to the printing laws of the time, a book could not be published without a licence and the first edition bears the imprimatur of Samuel Pepys, president of the Royal Society, one of those empowered to licence by the authority granted the society in its charter.

The book calf-bound retailed for nine shillings.

The second edition was the result of the rapid exhaustion of the first edition, and of new and improved observable data. The book contains a considerable elaboration of Newton's philosophy of science, culminating in an appendix—the most famous of Newton's writings on scientific hypothesis in general and of the gravitational hypothesis in particular.

Published in Cambridge in 1713, it was edited by Roger Cotes, a Cambridge astronomer and mathematician who performed the same task for this edition as Halley had for the first. Although 750 copies were printed, the edition sold well (at one guinea — 21 shillings — per bound copy). It was reprinted in 1714 and 1723.

The third edition published in London in 1726, was edited by Henry Pemberton. There are no striking revisions. It seems to have been produced as a result of continued demand. The edition consisted of 1250 copies. Its editor, a physician with mathematical talent who had mastered the *Principia*, willingly offered to undertake the editorial work.

LET THE GRASS GROW

In other words, keep off it or it will never become lush and green. There's little enough of it left on campus now, so PLEASE, let it grow.