

Four tumbling Halifax Tumblebugs took to the lawns at Dal on a hot summer day. From left, doing the splits, Lisa Phinney, Kristi LeGarden, Susan MacGowan and Jill Byrne. The gymnasts were attending a summer gymnastics camp at the Studley Gym. (Davidson photo)

New Board executive elected

Struan Robertson, president of Central Trust, became the 14th chairman of the board of governors of Dalhousie University on July 1 and four others joined him as officers of the board.

Robertson succeeds Dr. A. Gordon Archibald, who has served as chairman since 1980. An active member for about 30 years, Archibald left the board last month.

Two new vice-chairmen appointed are George C. Piercey, president of Piercey Investors Ltd., and Peggy Weld, a past-president of the Dalhousie Alumni Association.

Halifax physician Dr. Donna M. Curry, also a past-president of the Dalhousie Alumni Association, has been appointed honorary secretary, succeeding Zilpha Linkletter.

Linkletter has served as honorary secretary for the board since 1983 and has chaired the finance and budget committee since the mid-1970s. She will continue to sit as a member of the board.

Allan C. Shaw, president of L.E. Shaw Limited, has been named honorary treasurer, succeeding Piercey.

Struan Robertson, a Dalhousie commerce and 1953 law graduate, began his career with Maritime Tel and Tel 30 years ago as a legal counsel. He became vice-president (finance) in

The Goal: Improved Productivity

During the last few years, Dalhousie has been trying to improve its non-academic operations.

"Considering the financial constraints in that period, the employees at Dalhousie have done a remarkable job," said Robbie Shaw, vice-president (finance and development).

"We would like to do even better, but first we want to know if it is a reasonable expectation that we improve our efficiency even more.

"That is why we have asked Ritchie and Associates, a firm of management consultants, to carry out a series of analyses in most of our non-academic areas."

With those words, Shaw introduced members of a Ritchie team to managers and supervisors of Dal's non-academic units at pre-analysis briefings late last month.

Shaw told *Dal News* after the briefings that the use of the consultants is an attempt to generate savings in operations — "savings that we will inevitably have to make in all non-academic areas in the next few years through planned improvements in productivity, rather than ad hoc decision-making when the budget crunch is upon us."

He added: "By that, I mean how can we do things more efficiently at lower cost. One example is that our physical plant has suffered tremendously because of the lack of funds in the last few years. We are looking after the physical plant with fewer dollars and fewer people. As a result our buildings

are deteriorating. So the consultants will endeavour to find ways of perhaps restructuring some of our operations so that the physical plant does not deteriorate.

"They will analyse what our staff does and whether they can do more each day, by streamlining particular jobs. They will analyse how management directs that jobs be done, and in some cases it may simply be a question of better communication being needed."

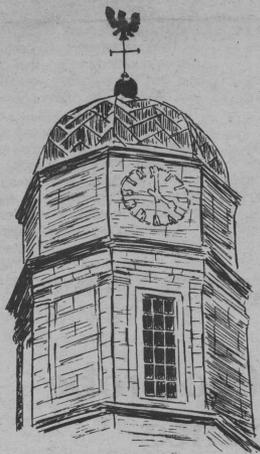
Shaw said that some people, obviously, would be concerned that there might be layoffs.

"My answer would be that the medium term results of this analysis could result in a net reduction of the total work force. We would hope that this could be achieved through attrition, although there is always the possibility, depending on the budget pressures for 1986-87, that a limited number of layoffs could be forced upon us next year. But we hope to avoid that if it is at all possible."

Considering that Dalhousie is trying to save money, is the hiring of management consultants not a contradiction in terms?

"This is an important point," said Shaw. "We are not incurring a large consulting bill that will hurt the operating budget. One of the reasons we chose Ritchie is because it guarantees — in writing — that the savings to us in the first full year of operation of the measures they propose and we accept, will

cont on page 6



Dal News

Volume 15, Number 20, August 14, 1985

Where is everyone?

Looking for Math? Wondering where Development went? Public Relations? Environmental Studies? Physiology and Biophysics? Let's see if we can sort it out for you. It's all quite simple.

You see: Math (some of it) moved to the Old Archives building where Public Relations and Development used to be. Public Relations moved to the Killam where part of Math used to be and Development moved to the house Environmental Studies used to occupy. Environmental Studies relocated to the so-called "Red House" formerly used

by some people from Physiology and Biophysics, who themselves have moved to a house on Seymour, although we don't know what color it is.

In other words, the Department of Mathematics, Statistics and Computing Science has partly relocated into the Old Archives Building. The rest of the department will join them in September.

The Development Office is now at 6136 Coburg Road. Public Relations is on the fifth floor of the Killam library, temporarily apparently, although the

cont on page 2

NEW BOARD EXECUTIVE ELECTED

(cont'd from page 1)

1966, vice-president (operations) in 1969, president in 1975, and chairman in 1981.

He joined Central Trust in May this year as president and chief executive officer.

Robertson has served as vice-chairman of the board of governors, a member of the finance and budget committee, the development committee, the investment committee and he's a member of the national committee of the Campaign for Dalhousie.

He is also chairman of the council of

the Dalhousie Institute of Public Affairs, chairman of the Dalhousie Bureau of Industry and a member of the advisory board of the School of Business Administration.

Archibald, a Dalhousie commerce graduate, was born in Truro. He joined Maritime Tel and Tel in 1934 and served the company in Halifax, Sydney and Amherst before becoming president in 1963. He became chairman of the MT and T board in 1968, retaining the presidency, and in 1976 became chairman of the board. He joined the Dalhousie board in 1955.

Where's everyone?

(cont'd from page 1)

Math department was there "temporarily" for 12 years.

The Institute for Resource and Environmental Studies is at 1338 Robie St. and a few people from Physiology and Biophysics are now at 1391 Seymour St.

Meanwhile, back at the Old Archives building, an army of electricians, plumbers, and carpenters are still kicking up dust to quickly finish renovations for the rest of the Math department.

Time for action on law of the sea — Pinto

It's time for action on the Law of the Sea accords says Christopher Pinto, former Sri Lankan ambassador to the Law of the Sea conference.

During the open ceremonies of the ten-week training program for the management and conservation of marine resources, Pinto encouraged delegates to get their governments to begin acting on the accords, which centre on co-operation.

Pinto says the 1973 Law of the Sea agreement calls for a new world order, based on social interdependence. "The law of social interdependence is taking the place of self-dependency."

Using the oil crisis in the early Seventies as an example, he says it forced previously self-reliant nations such as the U.S. towards interdependence. It had to depend on other countries for a

They're also building a tunnel from the building's basement to the Life Sciences Centre.

By the way, if you haven't guessed, Dal News has moved with the Public Relations department from the Old Archives building, which had come to resemble the American embassy in Lebanon. You can say what you want about the Killam (and amongst ourselves we've said it all) — we don't miss the daily "Jackhammer Trio" serenade.

vital natural resource.

Expanding on the concept of interdependence Pinto calls for joint development projects between the industrialized and Third World.

"The establishment of a centre for marine studies by an industrial country in a Third World country would be a joint operation with different goals. The Third-World country would be looking for a way to develop its economy while the industrial country would be looking for benefits in the area of trade.

"The benefits don't have to be identical to each country," he said, "they can be different, as each country desires.

"Establishing institutions would help by keeping the lines of communication open. It's a new era of co-operative action. Co-operation is, first and foremost, action."

Research '86 to probe effects of science

A major cross-Canada scientific lecture series kicks off at Dalhousie University on September 9th. "Research Canada 86" will examine the contributions and implications of scientific research and development on our world.

The three-day event in Halifax, set for September 9 to 11, will focus on the effects of research and development on human society. "Research Canada 86" will probe similar themes in other Canadian cities, before wrapping up with a final overview in Vancouver next September, coinciding with Expo '86.

The federal minister of state for science and technology, Tom Siddon, said in Halifax recently that the main goal of "Research Canada 86" is to raise public awareness of the importance of science and technology.

"If, in the process, we can persuade voters at large of the importance of technology to creating jobs... then this series of conferences will be a success," Siddon told reporters.

The Halifax segment of "Research Canada 86" will look at human rights in the advance of rising technological tides; examine what constitutes the "good society," and will question the possibility of reconciling a healthy ecology.

The year-long project will involve scientific experts from across Canada and around the world. Keynote speaker for the Halifax end of "Research Canada 86" will be the founding director of The Lindsfarne Association in New York, Dr. William Irwin Thompson.

Gallery to stay open

The Dalhousie Art Gallery will remain open.

The gallery had faced closure because of budget cuts, but Robbie Shaw, vice-president finance and development, says "I don't think there is any question that with Senate's decision that the art gallery is part of the academic community, it will stay open."

In its preliminary report in April, the University Budget Advisory Committee recommended closing the gallery, which would save the university \$100,000. At that time Shaw said "the situation is sufficiently severe financially that really we have to look at everything."

But the art community would not stand for it. Gallery director Mern O'Brien led the public protest and university president Andrew MacKay received a slew of protesting letters.

In April Senate passed a motion to support the continued operation of the gallery. Shaw says the decision was significant to the gallery's future because it established that the gallery can't be closed by a unilateral decision without Senate's consent.

This is the second time a new budget has threatened Dalhousie's art gallery. In 1982 the gallery was listed as a possible area for cutbacks, but was saved by visible and vocal support from students and the public.

Tinkham wins medal

Dalhousie student Norm Tinkham finished third in the 10,000m run to capture Nova Scotia's first medal at the Canada Summer Games in Saint John.

Tinkham, a fourth year commerce student, was named Dal's male athlete of the year. The Yarmouth native was a member of Dal's cross country and track and field teams.

At the AUA championship in Moncton last February, Tinkham was named outstanding athlete after finishing second in the 1,500m and 5,000m

"Despite its designation as a non-academic area," said Shaw. "The Dalhousie art gallery fulfills an educational role for the university and the community at large which we appreciate."

The gallery is now in the process of conducting a feasibility study for an endowment fund which within five years would raise a certain percentage of its own operating budget. "The fund-raising committee is trying to work out a game plan," says Mern O'Brien, who expects to have it within three months.

O'Brien, who calls the gallery "incredible value for its money," says it receives from \$60,000 to \$130,000 annually from outside funding sources.

More importantly, she sees it as a vital part of students' education at Dal. "Without a gallery many students will never be motivated towards many aspects of culture," she says.

Meanwhile, in November 1984, the gallery received a \$53,200 grant from the National Museums of Canada to upgrade its environment control system.

Founded in 1943, the Dalhousie gallery is one of the oldest in Canada. During 1984-85, 26,792 people visited 18 exhibits and attended 27 films on art, 15 music recitals, 15 lectures, five performances, and five special meetings.

races and leading the 4 X 800m relay team to a record-setting gold medal win.

The following month he finished third in the 5,000m event at the CIAU championships in Windsor, Ont. Tinkham also competed for Canada in April at the World Track and Field Championships in Portugal. For the second consecutive year Tinkham finished first in the Halifax Natal Day road race, this year after running in Ottawa the previous Saturday.

Dal News

Dal News is published by Dalhousie University for members of the Dalhousie community. Produced by the Public Relations Office, Dal News is published bi-weekly between September and April, with a break at Christmas. Occasional summer issues are also published.

Editor: Roma Senn
Stuart Watson, assistant editor, general reporter
Ed MacLellan, general reporter
Doreen St. Onge, calendar
Contributors: Dick Bowman, Derek Mann
With the assistance of Sally Bird.

Deadline for submissions is 12 noon the Tuesday before publication. Inquiries and submissions should be addressed to: The Editor, Dal News, Public Relations Office, Dalhousie University, Halifax, NS B3H 3J5. Tel: 424-3643.

Dal/King's sign agreement

Dalhousie University and the University of King's College have a unique arrangement for sharing faculty and facilities which they revised and modernized at a signing ceremony in June.

The agreement builds on previous agreements from 1923 and 1954 to regularize financial transfers for teaching costs within the joint faculty of arts and sciences.

Representatives of both universities gathered in the board and senate room at Dalhousie as Dr. John Godfrey, president of King's, Bishop Arthur Peters, King's board of governors chairman, Dr. Andrew MacKay, president of Dalhousie, and Gordon Archibald, Dalhousie board of governors chairman, signed the formal agreement on behalf of their respective institutions.

Dalhousie University and the University of King's College have had a friendly rivalry since 1923 when King's relocated to a corner of the Dal campus from its previous home in Windsor, N.S. "This is an important occasion,"

MacKay said. "We are very pleased to come to this agreement with the University of King's College."

Godfrey reiterated the sentiment, saying "it is a good base for future relations, academic and creative."

In a lighter moment during the presidential remarks, MacKay commented that no one really understood the Dal-King's relationship but the universities themselves. Godfrey interjected with "and I'm not too sure about that!"

Godfrey continued the ribbing by presenting MacKay with a photo taken at the 1985 King's convocation showing MacKay, the Lieutenant-Governor, Godfrey, and the graduates battling a snowstorm as they wait for ceremonies to begin. Godfrey joked that the one area in which Dal continually outdoes King's is the weather for its convocations, which is traditionally sunny.

On behalf of King's, Godfrey presented MacKay, Sinclair, and Archibald with King's College ties.

We'll feel the cuts indirectly — Fournier

In an undefinable way the federal government's drastic budget cuts announced for the Science Council of Canada will affect Dalhousie, says Dr. Robert Fournier, a member of the federally funded agency.

Science and Technology Minister Thomas Siddon has told the council it must slash its \$4.5 million budget to \$2.5 million and cut 38 of the 68 staff positions. But Siddon also said that the council would remain an independent agency. A study headed by Erik Neilsen, who's now defence minister, had recommended that the council become much less independent.

The federal government established the 19-year-old council to provide access for the public and the government on the present state and future directions of science and technology

policy in Canada.

Its impact has been in influencing decision-makers on future science policy. "The council is passing judgment on the funding agencies and constantly reflecting and commenting on the policy-making bodies," says Fournier, assistant vice-president, research.

"In an undefinable way Dal will be affected by the cuts. The future for Canada is very much in the way of high technology."

Fournier sees the council's role as potentially great but he is critical of the way it is run. "It functions like an academic organization," he says.

Rather than producing quick topical reports, it favors "big theses" which take ages to produce. Right now, staff members at the council "have their heads in the clouds."

PROGRAM BENEFITS SENIOR ADMINISTRATORS

Dr. David Yung found the financial management sections of the Senior University Administrators' Program helpful. Heather Sutherland was interested in the case studies in the labor relations segment.

Yung, director of the College of Pharmacy, and Sutherland, director of alumni affairs, were two of the 16 participants in the six-day program offered in June.

The program, first offered last year, focuses on organizational behavior, financial management and labor relations.

"It was a worthwhile program," says Sutherland. "It was interesting for the case work and for getting to know colleagues on campus." Participants lived in Shirreff Hall while taking the course.

As a scientist with little background in accounting, Yung found the financial management section "very good." Especially in these days of tight money at Dal, he said, knowledge in this area is essential.

The Advanced Management Centre

ran the program at the university's request. "There's a recognition across the campus that although this is an educational institution we've not done a great deal to encourage learning for all levels of staff," says John Douglal, director of AMC. "We're trying to change that."

This summer, for instance, Dal training officer Claudine Lowry organized a one-day workshop for clerical staff. The program for senior administrators was developed to provide a learning opportunity for individuals in senior posts. The program was adapted from a two-week course at the University of Western Ontario.

Individuals in senior administrative posts don't necessarily have a strong background in accounting and finance but have to make "many financial decisions that require a certain understanding," Douglal says.

Last year's participants included President Andrew MacKay and Vice-presidents Alasdair Sinclair and Robbie Shaw.



Representatives of Dalhousie and the University of King's College signed a cost-sharing agreement. Shown (clockwise from left, front row) Bishop Arthur Peters, chair of King's board of governors; King's president John Godfrey, Dal president Andrew MacKay and Gordon Archibald, then chair of Dal's board of governors. (Carlos photo)

Housing office wants to do more

Dalhousie's five-year-old off-campus housing office has reorganized and made some changes in the hopes of improving its service of helping students find accommodation during the academic year.

Sheila Fougere, who took over as head of the office last October, says the housing situation is "no better than last year," but students are beginning their search earlier this year which will "hopefully relieve some of the crunch in September." The housing office usually faces an onslaught of students for about two weeks early in September, but then the situation eases.

The alumni association is doing its part to help students who don't have a place to stay. Eighteen volunteers held a telephone campaign from August 6-8. They called 750 Dal alumni living near Dalhousie to ask if they could temporarily take in a student who had not found accommodation. They hope some alumni may decide to keep the students permanently.

This is the first time the alumni office has sponsored such an undertaking. The director Heather Sutherland says they got involved because of an obvious need.

A number of physical renovations have been made to the housing office, including an information booth and an extra telephone for the students' use. Fougere is preparing a slide presentation for viewing at the office, to give students an idea how best to tackle their search.

As of August 19, the office will extend its hours, staying open evenings and Saturdays. Services will expand to include information on car pools, used furniture, grocery stores and meal cards, housing and transport information for handicapped students. Despite the numbers of students looking, Fougere says, the situation looks encouraging.

After noticing problems with the housing office operation in the past, student union president Catherine Blewett wants to improve it. Often, in the past she says no one was manning the office when students needed help, and landlords didn't know where to go to list their accommodations. The office is now trying new techniques to solicit listings, including newspaper ads. The student union is helping the housing office publish a newspaper with accommodation listings, information on relevant subjects such as dealing with landlords and tenant regulations, bus information, etc. It's also looking at the possibility of getting a student bus rate for those who live outside the downtown core.

The Students Union of Nova Scotia is also looking at the housing situation throughout the province, particularly in metro.

Dal's housing office has a sign-up sheet to estimate the number of students looking for accommodations and the type of set-up they want, but it's too early to tell if the office is operating more efficiently than in previous years. By the end of August, Blewett expects to have a clearer picture. —Sally Bird



Malcolm Ross

Ross's contributions to Canadian literature honored

Dr. Malcolm Ross, professor emeritus of English at Dalhousie, has won the 1985 Northern Telecom International Canadian Studies Award.

Ross, who still teaches part-time at Dal, received a gold medal and a \$10,000 prize at the 1985 Learned Societies Conference in Montreal in recognition of his outstanding contributions to Canadian studies scholarship, teaching, research and inspiration.

Speaking at the awards dinner, Ross recounted how, in 1982-83, when he taught the first modern Canadian literature course at the University of Edinburgh, "the response to Canadian writing was immediate and vivid — so much so that my students ransacked the library for other Canadian books ... and some even ordered additional books from Canadian publishers."

"They found Canadian creative writing fresh and provocative — North American without being American," Edinburgh's department of English has since added a Canadian literature course as part of its regular curriculum.

In a statement read at the awards ceremony, author Margaret Laurence called Ross, "the moving figure in get-

ting Canadian novels published in the *New Canadian Library* series in the late 1950s, and it was this project that made the teaching of our own writing possible in our universities, and more recently, in our country's high schools. He has believed profoundly, for many years, in the quality of our writers and has said so, effectively, within Canada and outside our country."

Ross is editor-in-chief of the *New Canadian Library*, which has republished many out-of-print Canadian books. He has written numerous articles and books, including a collection of essays entitled *Our Sense of Identity*.

Born in 1911 in Fredericton, N.B., Ross's teaching career began in 1938 at the University of Alberta.

Before joining the National Film Board in 1942 he taught at Cornell University and the University of Indiana. In 1945 he returned to teaching at the University of Manitoba, then taught for 12 years at Queen's University. In 1962 he went to the University of Toronto's Trinity College where he was appointed Dean of Arts and Acting Provost. He joined Dalhousie in 1968, retiring three years ago.

Cutbacks illogical — Bowen

A Dalhousie oceanographer is not sure how his department will be affected by a huge cut in the budget of the federal Fisheries and Oceans Department.

But Dr. Anthony Bowen, who chairs Dal's oceanography department, calls the cuts illogical. "It's against the obvious trends in terms of needs." When government-funded agencies such as Natural Sciences and Engineering Research Council are providing scientists with more money he says it doesn't make sense for the feds to slash Fisheries' budget.

Fisheries and Oceans has been told to trim an additional \$25 million from its budget for next year and scientists fear the cuts will mean the death of a number of ocean science programs in Canada. *The Globe and Mail* reported last month.

The \$25 million is in addition to the \$40 million budget reduction ordered after Finance Minister Michael Wilson's

financial statement last November.

Reports circulating in the ministry mention proposals to mothball or sell part of the ministry's fleet of survey and research ships. The contract for the Pandora, a research ship the department leases for \$2 million a year, has not been renewed.

"We knew about Pandora," Bowen says. "There's pressure on the ships and lay ups for longer periods."

With the increase in offshore activity and expansion in research at Memorial University of Newfoundland as a result of the offshore there's "a whole lot of people who will need ship time."

The ministry runs four research and hydrographic ships and three support ships on the East Coast from the Bedford Institute of Oceanography.

A reduction in the research fleet would affect ongoing research at Dalhousie and other Canadian universities. *The Globe* reports.

New research chair in marine geology funded

The Natural Sciences and Engineering Research Council (NSERC) and Petro-Canada together have pledged a total of \$545,000 over five years to Dalhousie for the establishment of a new research chair in marine geology.

The contribution — \$295,000 from NSERC and \$250,000 from Petro-Canada — will fund a research chair at the Centre for Marine Geology to be held by Dr. Matthew H. Salisbury, an expert in the field of ocean crust studies.

Salisbury, 42, comes to Dalhousie from San Diego, Cal., where he's been an associate chief scientist with the deep sea drilling project at the Scripps Institution of Oceanography of the University of California in San Diego. He managed the project's scientific staff and shipboard research facilities and co-ordinated special experiments.

At Dalhousie, Salisbury will complement the existing expertise of the ocean crust studies group and allow research to expand into new areas. This group will expand its work concerning studies of lower continental crust, in which Salisbury has already started work, through the establishment of a physical property testing facility at the Centre for Marine Geology which will strengthen Canadian capacity in this area. This expansion will enable Dalhousie to strengthen its commitment to the development of marine sciences, consistent with its maritime location and the importance of the offshore industry to employment and the regional economy.

Salisbury's appointment was effective May 1.

Born in Far Rockaway, N.Y., and raised in New Milford, Conn., Salisbury earned his undergraduate science degree in geology and geophysics in 1968 from the Massachusetts Institute of Technology, and his Masters and PhD in 1971 and 1974, respectively, from the University of Washington, Seattle, Wash.

In 1974 he joined the National Science Foundation's Deep Sea Drilling Project (DSDP) as an assistant project officer in Washington, D.C. and became assistant professor of geophysics at the

State University of New York at Binghamton. In 1976 he rejoined the DSDP at the Scripps Institution of Oceanography at the University of California, San Diego, and in 1980, became associate chief scientist responsible for the management of scientific staff and shipboard research facilities as well as coordinator of special experiments.

Salisbury has wide interests in marine and continental geology, principally the response of oceanic and deep continental crust to "elastic wave propagation," from the viewpoint of the nature of lithological construction of the crust. He has addressed the problem of crustal nature in four ways: Through seismic refraction studies at sea; through the geophysical logging of drill-holes in the ocean floor to determine various properties such as density, velocity and porosity, through laboratory measurements of these and electrical properties on samples; and through petrologic and petrographic studies.

Salisbury will set up a major high pressure facility which will allow him to subject to extreme pressure (up to 15 kilobars or 200,000 psi) mineral and rock samples taken from below the ocean floor and from dry land.

Tests done at the facility, which will harbor the largest pressure vessel of its kind in the world, will allow Salisbury to study the behavior of rocks under pressure conditions equivalent to those at the base of the earth's crust.

This aspect of his research is used to determine the validity of surface geophysical data. Applied practically, this type of research can help confirm the conditions under which oil and certain minerals can be found.

Salisbury is no stranger to Dalhousie. He has had indirect ties with Dalhousie researchers for about 15 years and has taken part in Centre for Marine Geology research activities in the past, including the Cyprus project.

Salisbury, his wife Jean, and two daughters, Cameron, 4 1/2, and Meredith, six months, live in Bedford.

Hatcher: A 'tireless champ' steps down

by Barbara Hinds

Dr. J. Donald Hatcher, dean of medicine, ended his nine-year term of office last month, leaving behind a legacy of achievements.

He's now starting a new venture with enthusiasm. He wants to steer into industry some of the inventions and developments made at Dal. Working with Dr. Robert Fournier, assistant vice-president research, in research and technology transfer, he aims to help innovative scientists and the university play profitable roles in this technological age. They'll get help through the legal tangles of patent rights to put their inventions on the production line and in the market place.

During his upcoming sabbatical he'll study the best way to establish an office so it will help people get patents and offer guidance for protecting both the university and the individual's interest. The office could also expand faculty members' opportunities for contract research.

Hatcher is a vigorous leader who reached a pinnacle of Canadian academic medicine as dean of the med school. But his career got off to a rocky start. In his first year of med school he was asked to leave college. The dean of medicine at the University of Western Ontario, in London, handed him a blue slip — the signal of unsatisfactory performance. Young Don had not performed well in his Christmas exams and had a poor attendance record. The reason: He'd been sick with a rare exotic disease, Stevens-Johnson syndrome. The sometimes fatal disease had afflicted the young Donald through his youth.

"The only way I'll leave medical school is if I fail my final exams," Hatcher told his authoritarian dean, who wasn't used to such talk. Hatcher never had another attack of the disease. When he graduated in 1946 he became a member of the Medical Honour Society and in 1951 received his PhD in physiology. He probably outgrew the disease but he likes to tell listeners, "the dean shocked it out of me."

A great raconteur, Hatcher enjoys telling the story of a sympathetic friend who had seen him during a severe attack of the disease, and how the experience helped to launch his friend's successful career in otolaryngology. While the friend was training to become a specialist, an intimidating professor asked him for his opinion on an unusual case during hospital rounds. The friend explained with confidence: "Clearly a case of Stevens-Johnson syndrome. I recommend you include vitamin B complex in the usual treatment," to the professor's astonishment and the admiration of the other residents.

From the start Hatcher's career veered towards research. He received a series of scholarships and associate-ships to study physiology of the heart and circulatory system. He's always pursued new knowledge and, as dean of medicine he has emphasized research as the basis of better medicine and better education.

In 1952, at the age of 29 he won a Markle Scholarship in Medical Science and returned to Canada from Boston University School of Medicine to become assistant professor of physiology and a researcher at Queen's University, Kingston. Eventually, he became professor, head of the physiology department and associate dean of med-

icine. In May, Queen's University conferred an honorary degree on him.

The citation called him a tireless champion of quality in research and teaching, a loyal and charismatic colleague, a builder of excellence.

The tributes are apt. About three years ago, his health suddenly declined. Emphysema resulted from too many years of smoking cigarettes. Pneumonia compounded the condition and he was in hospital at a time when faculty members and university administration

ments of education, health and social services. Anything administrative always requires agreement from all bodies.

"Dalhousie is not like any other medical school in Canada. Serving three provinces is a rare responsibility. That multiplies at least threefold the complexity of administrative problems related to government. Therein lies the potential for frustration. That's where the work lies," he says.

He also had to wrestle with government funding of the med school.

substitute for the truth. There is no defence against the truth. The truth is disarming."

He's followed that philosophy. "If you put patients first, students next and then academic matters, and tell the truth you don't get into a lot of trouble . . . A problem with this is, truth can be relative and it depends on information. Sometimes the information can be imperfect."

Dal's med school was just beginning to tap its research potential when Hatcher arrived from Upper Canada. The term "regional disparity" didn't mean much to him. But he soon recognized its insidious effect on research at the medical school of the Maritimes. Expertise attracts grants and equipment, and experts follow the big bucks. Dal had few drawing cards. Total research grants in 1976 amounted to about \$2 million. By the end of his term of office grants had increased to almost \$9 million with diverse research programs in all med school departments of basic science, medicine and surgery.

To help raise money Hatcher began a research foundation. The aim: To offset regional disparity and provide some autonomy to the med school for research funding. "Mine was not a unique idea," he says simply. The organization got enthusiastic support. "I enjoyed giving them the right nutrition to get them started, and they carried on." In the six years since its inception, the Foundation has raised \$7.4 million towards its original objective of \$10 million. Hatcher is now a member of its board of directors.

He also serves on the board of Connaught Laboratories, a drug company.

Apart from Helen, his wife of 39 years, Hatcher credits his mother as the strongest influence in his life. She set high standards of human behavior and achievement. His father also exerted a strong influence. He worked on the trains and brought up his family in the railway town of St. Thomas, Ontario, "in the era of the lively whistle of the steam engine and the romantic beat of well-timed pistons."

"I was a railroader's son. At first my father was a fireman, and he moved tons of coal on that 150-mile run to Windsor or Buffalo. My father said no son of his was going to shovel all that coal, and he would tell me to get upstairs and study. Then there were my teachers in St. Thomas, a remarkable group of human beings who had no other ambition but to do their best for their students. They had a profound influence on us."

"There was a remarkable outpouring of scholarship from that working town. We call ourselves the St. Thomas Mafia. In my graduating class of 30 to 40 students in '41 there were several doctors, lawyers, professors of music, pharmacology, mathematics, a vice-president of Standard Oil and another of IBM, a dean of medicine and teachers."

Hatcher, reporting on his nine-year stewardship to Dal's Board of Governors, expressed his views on running the med school. "Many of our academic policies and decisions must be made in the light of patients and their needs, for academic decisions must always be secondary to the needs of the sick and injured. But more than this, the faculty is a vital organism because it has a reasoned vision of what it is and can be, bred into it by those who have preceded us with whom there is an unrelenting will to keep faith."



Dr. Donald Hatcher (Carlos photo)

were angrily at odds. Lack of government support for medical research caused frequent, heated discussion, and during an argument, a colleague said: "Man, the dean is in hospital, but he's fighting harder for you on his back than anyone else on his feet."

In 1976, when Hatcher became dean, the med school represented the biggest administrative challenge of all Canadian medical schools. It's complex because it serves three provinces and that means working with three provincial governments and their depart-

ments of education, health and social services. Anything administrative always requires agreement from all bodies. Although training interns and residents costs as much as educating medical students, government grants accounted for only half the actual costs of their training, and Dal trains about 350 residents and interns a year. This persistently drained a thin purse. In a vigorous submission to the Nova Scotia Royal Commission on Post-secondary Education one year ago Hatcher worked to solve the med school's crippling shortfall, and he's had some success.

Presenting his case eloquently to the royal commission, he said: "There is no

The Goal: Improved Productivity (cont' from page 1)

Ritchie has undertaken similar analyses at the University of British Columbia and the University of Victoria and the reaction from the shop floor to senior administrators at those universities has been unanimously positive, said Shaw.

So what does the Ritchie team do and how does it do it? Philip A. De Robbio, vice-president (analyses), explained it this way.

"Our task is simply to see if we can streamline an operation and make it more efficient. We believe that in most operations, productivity can be improved 8-10 per cent.

"Once we have studied an operation, made our analysis and submitted our recommendations, we then install operating systems, providing of course our recommendations are accepted. This is the key to our operations: about 85 per cent of our business is in the installation of operating systems. And when we put in a system, we want it to be permanent, to stay forever. But we work in total co-operation with the supervisors and workers who are affected, which is why, as I said at the briefings, 'You have to sell people, not tell people,'" said De Robbio.

As in so many other fields, information is power. "The whole basis of our system is information followed by communication. Better communication enhances any job and its environment.

"I remember one project I was involved in. It was in a slaughterhouse. One woman had worked in the hide department for 30 years. She came to me one day after we had done an analysis and thanked me. 'Why?', I asked. Because, she said, for the first time in 30 years her supervisor had approached her and talked to her. Communication — it's important.

"This is why, after the problem identification, the analysis and the recommendations, one element in our program is an 'Action Needed' segment. It's a vehicle to allow a supervisor or foreman to communicate to management that there is a problem. It ensures that word about a problem is passed along and, usually, that action is taken."

And the steps in the whole process?

"In the beginning we will study a department's documented operating procedures — its mandate — and will work with the supervisor to complete a short questionnaire. Where does the work come from, how are jobs handled, how many people are needed? We look at the 'upstream' aspects — the source of the incoming work and its flow. We look at the 'downstream' — how the work gets done.

"Then, after the questionnaire and our initial survey, we spend 90 per cent of our time with the supervisor and the workers on the floor in each department. That's where we observe the operation and where we can identify what kind of problems there may be. At the same time we are looking for solutions. We also sit down with the supervisor to see what he or she does and how it is done. We check on the paper work as well — can 10 sheets of paper be reduced to seven?

"After the data gathering, we put together a proposal, with suggested new schedules and recommendations.

"If our proposals are accepted, then our operations division comes into play. Our operations staff will work with the supervisors and the workers in developing and installing a new system. We follow up and review the system and if anything is out of kilter, we suggest and install ways to correct it.

"It is worth emphasizing that this is not a 'top down' approach. We are working from the bottom up, and it is all done in concert with the supervisor."

How is money saved? "By achieving better productivity — that is, more work with the same number of people; or the same amount of work being done in less time or with fewer people; or a combination of those.

"But — and I know Robbie Shaw has touched on this — savings do not necessarily mean layoffs or fewer staff. Higher productivity may, for example, mean putting into effect more preventive maintenance measures, so if fewer people are needed in one area, more may be needed in another.

"There is always apprehension on the part of some staff. It is really fear of

the unknown. So if people know what is happening — information and communication — their fears can generally be overcome. And all of our staff are people-oriented. They are chosen very carefully. If they can't get along with people, they won't be working with us.

"Ultimately, in addition to improving productivity, we also hope to create a sense of awareness, of urgency in people for the jobs they do, and by so doing,

They just blend in

The goals are the same, but gone are the teams of earnest, crew-cutted, business-suited men carrying stop watches and clipboards who, by their very presence, may have struck fear into those doing the scrutinized jobs.

The modern efficiency experts — a phrase not often used today — are different. They are known more respectfully as management consultants. Their staffs — from vice-presidents (analyses, or operations), staff consultants, systems installation managers and so on — may still be earnest, but they are young and bright. And they turn up in shirt sleeves and observe. They may be confident, but they don't exude it. Rather, they are people-oriented. If they are not, they don't work for the leading management consulting companies.

When they're on the job, be it the shop floor, the assembly line or the office overburdened with paper work, they are unobtrusive and try as much as possible, as one VP put it, to blend in with the work force.

One such modern company, Ritchie and Associates, of Toronto, is now at Dalhousie. The company has been hired to carry out a series of analyses of most of the non-academic areas of the university.

Members of the Ritchie team now on campus were introduced to senior administrators, managers and supervisors at Dal at the end of last month before they began their surveys. They are: Philip A. De Robbio, vice-president (analyses); Paul Boutin, vice-president (international operations); Ken Lambert, installations manager, and Howard Rubin, Yves Robichaud and Byron

Baranyai, staff consultants. Ritchie's head office is in Beverly Hills, Calif. The company's international division was established in Toronto five years ago and, in addition to having successfully completed projects for companies in the private sector, has worked at other Canadian universities and government institutions.

The problems it identifies are as many and varied as the jobs it studies. Phil De Robbio offered some examples: "In an office where there is a heavy month-end workload, such as accounting, is there a way that the heavy load can be spread to earlier parts of the month?"

"What happens if there's a vacancy for a foreman? Management may choose the best drill press operator on the shop floor and tell him, 'Next week, you're the foreman.' But if the employee hasn't been trained to be a supervisor and can't communicate, he is not the best choice for the job.

"One case I remember involved a woman on an assembly line. She had difficulty reaching the controls of a machine and was always struggling. It turned out that she was only about 4 ft. 8 ins. tall, shorter than anyone else on the line. The solution: Put in a platform she could stand on so she could reach the controls easily.

"It's no good giving a mechanic a hammer to go and fix nuts and bolts. He could probably get the job done, but if he had a wrench he would do it better and quicker."

John Russell, the university's liaison with the consultants, agrees that the members of the Ritchie team are people-oriented and unobtrusive. Russell has accompanied the consultants on some of their rounds. "They are very relaxed and very conscious of not wanting to disrupt anyone's work. They ask questions but by the same token, the people working in the operations being observed can also ask all the questions they want to ask. I'm impressed."

John Russell, the university's liaison with the consultants, agrees that the members of the Ritchie team are people-oriented and unobtrusive. Russell has accompanied the consultants on some of their rounds. "They are very relaxed and very conscious of not wanting to disrupt anyone's work. They ask questions but by the same token, the people working in the operations being observed can also ask all the questions they want to ask. I'm impressed."

John Russell, the university's liaison with the consultants, agrees that the members of the Ritchie team are people-oriented and unobtrusive. Russell has accompanied the consultants on some of their rounds. "They are very relaxed and very conscious of not wanting to disrupt anyone's work. They ask questions but by the same token, the people working in the operations being observed can also ask all the questions they want to ask. I'm impressed."

THE AREAS TAKING PART

University Services (Physical Plant, Space Management, Physical Planning, Energy Conservation, Accounts — Physical Plant, Off-campus Housing, Conference Centre, Bookstore, Security, Residences, Dalplex, Campus cleaning, A/V Services);

University Computing and Information Services (Facilities and Operations, Word Processing, Academic Computing Services, Administrative Computing Services, Centrex);

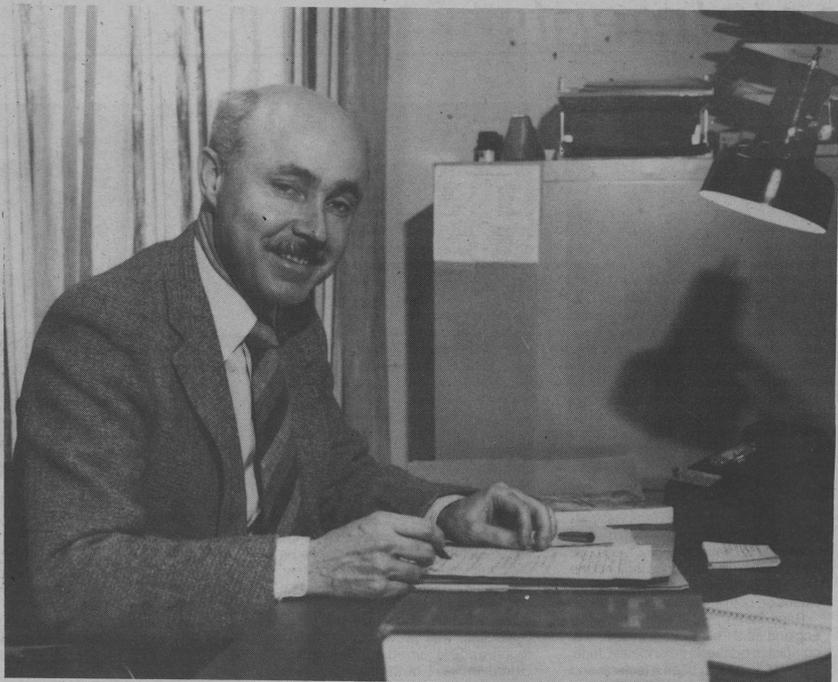
Office of Student Services; Awards Office; Registrar's Office (Admissions, Records);

Financial Services (Purchasing, Printing Centre, Investments, Controller, Budget Office, Accounting);

Personnel (Staff Relations, Staffing and Job Evaluation, Personnel/Payroll Systems, Insurance and Employee Benefits).



Working to do the job better. Dal's hired a team of management consultants to help improve productivity. From left, Paul Boutin, vice-president, international operations for Ritchie and Associates, is shown with John Graham, assistant vice-president (university services); Robbie Shaw, vice-president (finance and development); Philip De Robbio, vice-president, analyses for Ritchie and Associates, and Dal's liaison officer John Russell. (Carlos photo).



Dr. Pierre Taschereau

New ecology book published

The Institute for Research and Environmental Studies, (IRES) with the Canadian Council on Ecological Areas, has published a new work on ecological reserves.

Dr. Pierre Taschereau, a research associate with the institute, is the author of *The Status of Ecological Reserves in Canada*. He's a naturalist by inclination and a botanist by profession who worked with the Nova Scotia Museum as a naturalist and eventually became the curator of botany.

Taschereau is a Fellow of the Linnean Society of London and a trustee of the Nature Conservancy of Canada. His interest in ecological reserves results from his work with the International Biological Programme (IBP).

In the publication's forward, Dr. Arthur Hanson, director of IRES, says, "hopefully this information will be of value to agencies contemplating action, and may stimulate investment in some of the sites currently threatened by development or destruction."

The Status of Ecological Reserves in Canada is available for \$8 from the IRES. For more information call Judy Reade at 3632.

Possible link between Alzheimer's and trace elements

Scientists from the University of Kentucky are analysing hair and nail samples to see if a connection exists between Alzheimer's disease and certain trace elements.

"At this stage nobody has shown trace elements that positively contribute to Alzheimer's disease, but the push is on," says Dr. W.D. Ehmann.

Alzheimer's disease, the main cause of mental illness among the elderly, affects five to 10 per cent of Canadians over 65, and is characterized by confusion and memory lapse.

Instrumental Neutron Activation Analysis is one technique that has proven effective in this type of research. INAA involves the bombarding of a particle with neutron rays. The trace elements become energized and scientists can take readings. This is a preferred technique because it only requires a small sample, allows simultaneous multi-element readings, requires minimal handling of the sample, and it is non-destructive to the sample so the specimen may be reused.

The neutron activation analysis technique was the centre of discussion at an international nuclear analytical chemistry symposium that Dalhousie hosted in June.

Dalhousie is a leading researcher in the field of instrumental neutron activation analysis because of the work done at its Slowpoke nuclear reactor, and it's one of only two Canadian universities with an established faculty in analytical chemistry.

"This is not a conference but a celebration of science," said Dr. Douglas Ryan, director of Dal's trace analysis

research centre, at the opening of the symposium. It was the fourth such analytical chemistry conference held, and 150 scientists from 21 countries attended. Dr. Amares Chatt, research

supervisor at Dal's Slowpoke reactor, organized the symposium.

The three-day meeting included sessions on chemical trace analysis (the study of minute quantities of elements

found in substances) as it relates to environmental pollution, nutrition, biology, and health. Eighty papers were presented, including five by Dalhousie faculty. —Sally Bird

Coley attends Vatican conference

Three hundred years after Galileo's death, the Vatican Academy of Sciences hosted a conference on "Theory and Observation, or Limits in Cosmology."

Nineteen top astronomers and theoreticians in the field received invitations to the two-week conference in July at the Vatican Observatory in the Pope's summer palace.

Dalhousie mathematics professor Alan Coley, one of two Canadians who attended, joined scientists from the United States, Great Britain, and Germany.

The Pope, who was staying at the palace during the conference, granted the scientists an audience. "This conference has as one of its principal focuses the determination of the inherent limitations of cosmology's competency and its observational verifiability—the limits in principle and in practice of the scientific verification of its theoretical products," the Pope said to his guests.

"Through the natural sciences, and cosmology in particular, we have become much more aware of our true physical position within the universe, within physical reality—in space and in time. For the first time we have seen ourselves from outside—from the moon, and from other vantage points in

our solar system. And with that startling perspective, we realize that we must be more responsible for ourselves, our neighbours, our institutions, and our planet, whatever may be our nation, religion or political stance."

The scientists responded to the Pope's address, saying "The need to understand the physical universe is a deep need in all of us—the specialist in astronomy, the specialist in theology, the poet or writer, and indeed the man in the street. It provides a framework in which is set the rest of our lives that is both humbling and inspiring. The need to understand the physical origins of our world and of man is very deep-seated."

The conference included experts in astronomy, physics, and mathematics—both theoreticians and observers meeting together. Such an opportunity to better understand the other's perspective doesn't happen often, and it offered an important feature to the meeting.

The small size of the conference allowed for discussion and the interchange of ideas.

One aim of the conference was to bring together people with an open mind, to question accepted ideas and escape established patterns of thought. Discussions also dealt with

some of the inherent problems of obtaining information and subsequent interpretation.

Coley, who was "clearly the youngest and most junior person" at the conference, describes the atmosphere as "very highbrow" with "no time for jokes." Despite its serious atmosphere, Coley says his two weeks were stimulating, informative, and exhausting.

Every three years the Vatican hosts a similar conference on various topical matters in the sciences. Following each conference the Vatican Observatory publishes a book of the results. The text from this year's session should be available next year.

In his address to the conference, the Pope spoke about the relationship between science and religion.

"The more we know about physical reality, about the history and structure of the universe, about the fundamental make-up of matter and the processes and patterns which lie at the roots of the material world, the more we can appreciate the immensity of the mystery of God, the more we are in a position to grasp the mystery of ourselves—our origin and our destiny." —Sally Bird

New Appointments



MARILYN MACDONALD NEW PR DIRECTOR

Journalist-broadcaster Marilyn MacDonald has been appointed director of public relations at Dalhousie University.

Dalhousie president Dr. W. Andrew MacKay said he was pleased that MacDonald, who will assume her duties on Sept. 1, had accepted responsibility for public relations. "She knows Dalhousie well and she is highly regarded in Halifax and in the province for her contributions to the media and the wider community."

Born in New Waterford, MacDonald moved with her family to Halifax when she was a child. She received her early education at Tower Road and Queen Elizabeth High schools. She graduated from Dalhousie with a first class honours Bachelor of Arts degree and won the University Medal in English. She later obtained her Master of Arts, also in English, from Dalhousie.

Her career in journalism began with a staff reporter's job with The Halifax Herald Ltd. in the early Sixties. She then joined CBC as a researcher for public affairs and documentary programs and later became host-interviewer on her own daytime current affairs television program.

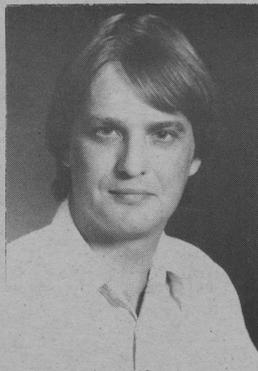
She has also appeared as interviewer and host on many radio and TV programs on the CBC's local, regional and national networks, and has written and edited radio and television documentaries.

In 1979 MacDonald became the founding managing editor of the monthly regional news magazine, *Atlantic Insight*.

The following year she was appointed editor and held that position until 1984.

In August last year, she joined the Development Office at Dalhousie, where since then she has co-ordinated various aspects of the launching of the Campaign for Dalhousie, whose goal of \$35 million makes it the largest private fund raising campaign undertaken in Atlantic Canada.

MacDonald is a former president of the Dalhousie Alumni Association, a director of the Waterfront Development Corporation Ltd., Halifax, Maritime Broadcasting Co. Ltd., Eastern Provincial Airlines, and a governor of the Art Gallery of Nova Scotia. She is also a lay member of the Bar Council of the Nova Scotia Barristers' Society.



PETER RANS APPOINTED

As president of the Dalhousie Student Union in 1982-83, Peter Rans was particularly concerned with the issue of university accessibility. He sees his new position as assistant director of the Transition Year Program as a natural extension of this concern.

Rans came to Dal from his native England as a PhD student in 1977. He completed his thesis defence last June. Since 1980 he has been a lecturer and graduate assistant in the English department.

In his new position Rans will be tutoring students in English and advising them in the Transition Year Program, as well as handling administrative duties and relations with outside agencies.



SUSAN MCINTYRE

Susan McIntyre, the new executive assistant in the office of the Dean of Student Services, brings lots of experience to the position.

Before assuming her current position in June she was general manager of a student housing co-op in Kingston, Ont.

McIntyre, a Dalhousie graduate with an honors certificate in political science, was vice-president of the Dal Student Union in 1983-84. The previous year she served as community affairs secretary for the union.

In her current position she'll prepare the dean's budget, monitor and authorize expenditures, act as liaison officer for student services such as health and counselling and provide non-academic advice to students in the dean's absence. This summer she's dealt mostly with international students who want advice on such things as housing and where to shop.



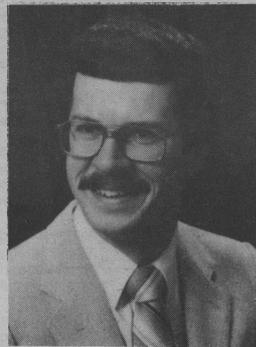
MACGILLIVRAY APPOINTED ACTING REGISTRAR

Mary MacGillivray has been named acting registrar. She is responsible for the student information system, serves on the curriculum and studies committee, consults with other services in the office and, of course, sees students.

MacGillivray, who came to Dal 16 years ago, was previously associate registrar. She joined the Registrar's Office in 1975 and the next year received her Bachelor of Arts in English from Dal.

The registrar's office is a busy place. In the past year the enquiry desk responded to 37,000 enquiries.

As registrar, MacGillivray would like to change the office's image as a mysterious place. "I'd like people to think of the office as approachable. It's not to be feared."



DONALD CHERRY NEW CENTRE DIRECTOR

Donald Cherry, the new director of the Centre for Development Projects, wants the Centre to broaden its project base.

The Centre currently has projects in Zimbabwe and India but Cherry would like to see new projects initiated in southern Africa.

Cherry, who also teaches accounting in the School of Business Administration, received a BComm with distinction from Dalhousie in 1971 and an MBA from McMaster University in Hamilton, Ont. in 1973.

For the past two years he's been at the University of Zimbabwe in Harare teaching accounting.



MELISSA FURROW

Dr. Melissa Furrow is the new assistant dean (student matters) for the Faculty of Arts and Science.

Furrow, an assistant professor of English, will serve as a referral person for undergraduate students who may have academic or personal problems.

She sees the position "as kind of a frontline when students are confused about interpreting regulations or have personal problems."

Furrow, who recently took on the one-year position, says, "It sounded like something I'd like to do. I like to work with students."

A native of Halifax, Furrow holds a PhD from Yale University and specializes in Middle English literature.

Dr. Stan Cameron of Chemistry, and Dr. Alan Andrews of the Theatre Department, will serve as associate deans.



REDDEN BECOMES ASSOCIATE REGISTRAR

Judy Redden is the new associate registrar. In her position she'll ensure that students are qualified to graduate, handle registration for students in honors programs, advise students about degree requirements and serve as a back-up for the registrar.

Redden, who came to Dal 11 years ago, held various clerical jobs before becoming assistant registrar, the position she held before becoming associate registrar in July.

Born in Lunenburg, Redden graduated from Acadia University in Wolfville in 1974 with a Bachelor of Arts degree in history and a diploma in secretarial science.

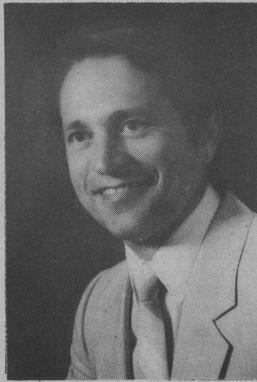


(Acier photo)

SUB GETS NEW MANAGER

Andrew Beckett has made a quick transition from a book person to a people's person. He's the new general manager of the Student Union Building.

Beckett, a Dal commerce grad with a CA, joined Dal this summer after working with a large accounting firm. He'll handle the day-to-day running of the SUB, oversee the capital fund, act as student adviser and establish such agreements as the student health plan.



(GALCO photo)

WILLIAM COURRIER

Dr. Bill Courier has been named director of admissions at Dal.

Courier, who holds a PhD in chemistry from McMaster University in Hamilton, Ont., was associate registrar for five years before his new appointment became effective on July 1.

As director of admissions he's responsible for admissions, high school liaison and advising first-year and prospective students.



(Lounder photo)

MERN O'BRIEN APPOINTED ART GALLERY DIRECTOR

Mern O'Brien has been named director of the Dalhousie Art Gallery.

O'Brien, whose appointment became effective July 15, had been acting director.

A native of Syracuse, N.Y., O'Brien joined the gallery staff in 1978 as acting curator.

She studied fine arts at Syracuse University School of Fine Arts and received her Bachelor of Fine Arts degree from the Nova Scotia College of Art and Design in 1976.

The gallery, which recently faced its second threat of closure in four years, now appears to have a more secure future. "I'm confident the next 10 years will be better," O'Brien says.

DONNA THOMPSON TAKES THE STAGE

Donna Thompson, of Halifax, has been appointed assistant director of the Dalhousie Arts Centre. Her major responsibilities will be marketing and public relations.

Born and educated in Halifax, Thompson worked at the centre during the past year as a special program assistant, developing and promoting a "Just for Kids" series at the Rebecca Cohn Auditorium.

She's a graduate of Dal's School of Dental Hygiene and practised as a hygienist in Halifax and Vancouver before turning to communications and media work.

In the early Seventies she worked with Teled Video, a federally funded program, in which she taught community organizations how to use video presentations as promotional tools. She was later a production assistant with CBC radio's *Information Morning*, a researcher with CBC TV's *Here Today*, a freelance writer and researcher for the CBC Halifax radio program *Radio Noon* and a freelance script writer for the Nova Scotia Education Department's "Careers" film series.

In 1983 she became co-founder of Fanfare Productions, an entertainment promotion company.

Since 1978 her volunteer work has included membership on the Carpet the Cohn committee, the steering committee of the Izaak Walton Killam Hospital for Children for the "Make a Miracle" Telethon and the public relations committee of Ronald McDonald House. She has also been active in support of the Canadian Cystic Fibrosis Foundation as fundraising chair of the Metro chapter, the chapter's public relations committee and the chapter's New Year's Eve ball. She's also a founding member of the Nova Scotia's Children's Festival.



Donna Thompson takes the stage. She's the new assistant director of the Dalhousie Art Centre. (Carlos photo)



Dick Bowman

Research foundation tops \$7.4 million

In the past year the Dalhousie Medical Research Foundation raised more than \$549,000, bringing total contributions to over \$7.4 million.

At the sixth annual meeting recently, Board chair William Sobey reported that the foundation had awarded more than \$764,500 to scientists and medical students involved in research and provided \$685,000 for the purchase of research equipment for the medical school and its affiliated teaching hospitals.

The purchase of new equipment is getting more important because of the lack of sufficient government funding, said Dr. Peter Gordon, foundation executive secretary, in his annual report.

The foundation's capital equipment fund provides critically needed equipment. In 1984, 13 investigators received grants totalling \$143,550 to support their work in cancer research, heart disease, mental retardation, inherited disorders in children, arthritic diseases, development of new drug treatments and basic research.

The foundation, Sobey says, helps provide excellent patient care but for it to continue and to advance its programs "we desperately need continued financial support and interest."

The foundation, which began in 1979, is funded through the generous support of corporations and individuals throughout the Maritimes.

It has developed new fund-raising programs. The annual Molly Appeal raised \$61,693 in the past fiscal year. Bequests now total more than \$1.2 million.

Growth of the fund will enable the foundation to provide a third research associateship in the coming year.

Dr. Hinrich Bitter-Suermann, an organ transplant surgeon, and Dr. Ronald Carr, a researcher in rheumatic disorders and lupus, received previous associateships. Their work has attracted much attention. A liver-transplant team has received extensive training in the past 18 months and a liver transplant recently took place—the first in the region.

During the past year, the foundation awarded five research fellowships to recent medical and PhD graduates who are pursuing clinical and basic research into heart disease, pharmacology, anaesthetics, surgical techniques and the treatment of patients with spinal cord injury or stroke.

In addition, four first-year medical students received scholarships. They will conduct supervised research for two years during elective time and on summer holidays.

An independent scientific advisory committee comprised of med school faculty recommends how funds should be spent for personnel support and equipment purchases.

During the annual meeting, Dr. Donald Hatcher, dean of the medical school, received a formal vote of thanks for his work with the foundation. Hatcher, who's soon stepping down as dean, conceived the idea of the foundation and guided it into existence. Hatcher, previously an ex officio board member, was elected a full board member. — Barbara Hinds

CARLOS PHOTO

Bowman's off to Queen's

After two "hectic and extremely challenging years" Dick Bowman is leaving Dal August 30 to establish an office of information and public relations at Queen's University in Kingston, Ont.

Bowman, director of public relations, joined Dalhousie in 1983 after 16 years at Trent University in Peterborough, Ont.

He's enjoyed his job here. "It's been interesting beyond belief," he says. "I've been lucky to have come to know some sense of the pride Dalhousians feel in this institution."

During his tenure, Bowman says, significant gains have been made in the broad area of development.

He's liked working with faculty and staff and particularly with Robbie Shaw, Alasdair Sinclair, David Cameron and President Andrew MacKay.

Bowman, who's energetic and enthusiastic, got involved in a spate of activities outside Dal. He worked with

the Children's Aid Society on its fund-raising committee, Helpline, the Dartmouth Library Campaign. He's been a member of the First Baptist Church in Dartmouth, the Banook Canoe Club — his wife, Pat, is president of the women's division — the Halifax Press Club; the Board of Trade. He's also a member of the Atlantic chapter of the Public Affairs Council on Education (PACE) and the Metro University Public Relations Officers.

Soon after Bowman arrived at Dal he got the chance to see how the university ticks. "I saw at first hand how tirelessly many work for Dal and their level of commitment."

He sees the university as a dynamic institution where research dollars have increased 300 per cent over four years and one that continues to, respond to the region's needs for new programs such as occupational therapy.

"It's a great place," he says.

Tonks to moderate at international conference

Dr. Robert Tonks, Dalhousie dean of health professions, will moderate a major discussion on the financing of health care at the sixth biennial conference of the Northeast Canadian/American Health Council in Farmington, Conn., Sept 26-28.

Tonks, co-chairman of the group representing medical officials with universities, hospitals and governments of the Northeast U.S., Quebec and Atlantic Canada, will preside over Public Involvement in the Provision of Health Care — Subsidy or Direct Service. That discussion will feature Senator Brenda Robertson, former New Brunswick

Health Minister, and Washington, D.C., lawyer Larry Gage.

"I think the whole conference is very timely," says Tonks. "My job is to stimulate discussion and help reach an overview of where innovations (in paying for health care) might take us."

A major concern of the conference will be the effect of financial restraint on the quality of and access to medical care.

Tonks says previous conferences have proven the value of getting legislators, hospital administrators and educators together to tackle "with frankness and without partisanship" the problems facing modern medicine.

One of Canada's fittest females teaches here

Whether it was her success at the haybale toss or her speed on the obstacle course isn't certain. What is certain, however, is that Anthea Bellemare is one of the fittest females in Canada.

The mother of four, fitness coordinator at Dalplex and lecturer in the School of Recreation, Physical and Health Education, recently won an athletic competition, making her Canada's most physically fit woman over the age of 40.

Bellemare was one of two Nova Scotians who made up the Atlantic region's team at the Canada Fitness Challenge in Toronto. The event, sponsored by Fitness Canada and Kraft Foods, pitted regional teams from across the country against one another, in events that were certainly not designed for the armchair athlete, but for the true fitness connoisseur — for someone like Anthea Bellemare.

As one who has run road races and marathons, played field hockey, com-

peted in a triathlon and even taught herself modern gymnastics on the living room floor, Bellemare breezed through the local and regional competitions easily to qualify for the recent national test.

The two-day competition in Toronto saw participants engaging in a 200-metre speed cycling trial, a one-minute push up test, a 400-metre rowing relay, a box step test and the only team event—an obstacle course that included trail running, canoeing and portaging. There was also the unusual haybale toss. Competitors threw a 30-pound bale of hay over a pole vault standard that had a starting height of four feet.

When it was all over, Bellemare had come out on top in her age group. So when *Dal News* tried to contact Bellemare after her recent accomplishments, we weren't surprised when her son informed us: "She's gone to the pool for a swim and I don't know when she'll be back."



"We're getting ready." The off-campus frosh squad has a clutch of activities planned for fall orientation. (MacMillan photo).

Fall orientation looks fun

With September approaching, the fall orientation committee is working hard to ease the transition to university life for the troop of new frosh who'll soon be arriving on campus.

Orientation activities begin on Tuesday, Sept. 3, with a display by the various student clubs and societies called "Downtown Dalhousie." Wednesday features the "Extravaganza at Dalplex" with a casino and live band in the field-house. This is the first time Dalplex has been used for orientation activities other than sports.

Thursday is a full day. It begins with the welcome show "Possibilities!" Presented by Dal students, the show gives frosh an idea of what to expect at university.

The Orientation Convocation introduces frosh to the colorful pomp and circumstance that's traditionally a part of university life. The ceremony follows the welcome show, and includes an address guaranteed to be "unstuffy."

The traditional "Shinerama" — a fundraiser for cystic fibrosis research —

takes place Thursday afternoon. Local entertainers Lambert and James highlight "Studley Gardens" on Thursday evening.

Friday's big event is the beach party at Crystal Crescent Beach. Organizers say this is traditionally the event where freshmen meet the most people and make the most friends.

Saturday, the busiest day of the week, begins with a giant flea market. To alleviate any nervous tension and keep the adrenaline flowing, Saturday afternoon is dedicated to various sports events. The year's first Super SUB features "Steps Around the House" and Tony Quinn.

Dal student council invites all frosh to meet their elected representatives at an outdoor student council meeting Sunday afternoon. The meeting includes a corn boil and a performance of the Woody Allen play "God" by the Dal drama club. The week's schedule is capped off by a coffee house Sunday night.

Other activities throughout the week

include library tours, campus tours, an arts centre open house, and a fraternity open house.

Orientation chair Marian Yogis says the week benefits frosh because it helps them get to know the campus, and gives them the chance to meet other students. "A lot of learning goes on outside the classroom," says Yogis, who says orientation helps prepare students for the non-academic side of university life which accounts for a large part of their education.

This year the orientation committee is particularly interested in attracting off-campus frosh. They have formed the off-campus frosh squad to spearhead the campaign. The frosh squad sent letters to frosh living in Halifax-Dartmouth to encourage them to take part in orientation. A phone campaign in mid-August and a television show on cable channel 10 will follow.

Dal expects 2,000 to 2,500 freshmen — the majority of residence students usually take part in orientation — but Yogis says they are hoping for more.

Sneak preview of life at Dal

Why are there so many students on campus and why do they look so young? It's summer orientation, and over 230 high school seniors are getting a preview of life at Dalhousie before classes start in September.

Patrick Donahoe, dean of men, organized the program. He had hoped that more students would take part, but says it's building slowly and needs time to develop a reputation. Last summer Dal held only one session; this year there were three. Most students who participate are from the Atlantic provinces, with a few from Ontario and Saskatchewan.

Each two and a half day session included a tour of the campus and comprehensive visits to particular points of interest such as the library, Dalplex, and the Student Union Building; workshops on time management, study skills, and finances; a tour of the city; and actual registration. Each participant is charged \$44, but no one has found the program a waste of time or money. "Students are quite conscientious consumers, and they all felt they got their money's worth," Donahoe says.

From the students' point of view summer orientation is particularly helpful for becoming familiar with Halifax and the Dal campus before arriving in the fall. "I don't want to get lost in September," said one female student from metro.

Another prime concern of students was early registration. "I wouldn't want to go through this in the fall," said a male student from Bedford as he waited in line for his ID card. "There were only a couple places left in some courses and I got in because I was here," said one lucky student. "I think any first-year student should come."

At a dessert and coffee reception in the Tupper building, students got the chance to talk informally with professors and staff about various aspects of university life and academics. Norman Horrocks, dean of administrative studies, found this a particularly "interesting innovation," because it gave the students and staff a chance to chat on a one-to-one basis.

Dr. Alasdair Sinclair, vice-president (academic), was also impressed with the students' interest. "The ones who are coming have obviously given more thought to their university careers and are now here to see how to do it." Ted Marriott, dean of student services, noticed the students were eager to ask questions. "It reflected their enthusiasm, and if we can maintain this enthusiasm through the year it can be a great experience."

Orientation co-ordinator Randolph de Gooyer and assistant co-ordinator Marian Yogis agree the program was a success. "Evaluations were very enthusiastic," says de Gooyer, "and call for the program to be continued next year."

Donahoe says it seems logical to continue the program. Although it's not entirely self-supporting, the students' approval and enthusiasm should help the program continue. —Sally Bird

Projects range from cloning to testing drugs

Gene Huh wants to clone a cluster of genes that resides in the genetic organization of a copepod — a very small shellfish. Elaine Armstrong is working on a model to test drugs. By organic synthesis, Joanne Vaughan is making a group of compounds which she'll study by photochemical means.

Armstrong, Vaughan and Huh, all of Halifax, are three of 50 students at Dalhousie University who won summer research awards from the Natural Sciences and Engineering Research Council (NSERC). The awards, each worth \$750 per month, enable science students to gain valuable experience in a university lab and aim to encourage them towards graduate studies.

Armstrong, Vaughan and Huh are all BSc honors students and, obviously, they're all bright. Competition for the award is stiff. At Dal, there are NSERC award winners from all over Canada — from as far away as the University of British Columbia to nearby Mount Allison. Students can apply to two universities. Dal has never had as many as 50 NSERC summer-student researchers before.

Vaughan, a third-year biochemistry student, who graduated from Queen Elizabeth High School, wanted something "to do with here," she says, pointing to her head. All her previous summer jobs were in retail sales.

Vaughan, who plans to study medicine, spends her time mixing, pouring and waiting for reactions.

When she's not in the lab she is working as the volunteer publicity chair for fall orientation. Her job is to come up with ways to get students, especially from off-campus, involved in orientation.

As an eight-year-old, Elaine Armstrong took a tour of Dal and saw a dolphin. After that she told everyone she wanted to be an animal psychologist. But when she came to Dal following a year off after high school at Halifax West, she decided to study computers.

A psychology course in clinical learning convinced her that "this is for me" and she returned to her childhood goal.

In her main project, "The psychopharmacology of benzodiazepines," she is setting up a model to test drugs.

She is also doing some work on imitation in the pidgeon which she says is more an instinctive response than a cognitive process. "I'm trying to do a lot of different things," says Armstrong, who won a Hector McInnes Memorial Scholarship and a Dal scholarship. "I hope I never have to focus. I like to have a broad perspective." She'd like to go on to graduate school and plans on a career in academia.

Gene Huh, a third-year biochemistry student, wants to study medicine. But right now he enjoys his work on copepods. Last term he produced a research project on the techniques involved in cloning. When he got the chance to spend a summer working on a cloning project he grabbed it. "It's a real experience for me," he says. He doesn't even mind coming into his lab in the Tupper building on weekends to check the progress of his experiments.

The experiments present certain problems in trying to obtain a copy and clone it. He has to get DNA, manipulate it and make several copies.

Although it's basic research, Huh, a graduate of Queen Elizabeth High School, says that "what's basic today could be applied tomorrow."

Matters under discussion

BOARD APPOINTMENTS

At the May 21 Board of Governors meeting President Andrew MacKay reported that the Alumni Association had elected Peter Doig, Brian Flemming and Margie Cooper to the Board for a three year term. The Alumni Association will elect two more persons. MacKay will meet with the provincial government concerning governor-in-council appointees. He asked board members to suggest names to the board officers for the government to consider. If Jamie DeWolf agrees to serve, she will be appointed to the board of directors of the Institute for International Development as the Board of Governors representative. D. Ritcey will continue to serve on the nominating committee until the current session completes its work. Catherine Blewett will replace Alex Gigeroff.

FINANCE AND BUDGET COMMITTEE

Zilpha Linkletter, of the finance and budget committee, reported that the 1984-85 budget had unavoidably been approved very late. It appears that the budget deficit for the year will be about \$100,000. With respect to the 1985/86 budget, she noted that the problems with medical funding appear to be improving.

CAMPAIGN FOR DALHOUSIE

Board chair Gordon Archibald reported that so far Campaign results are encouraging and referred particularly to two large corporate gifts. John Lindsay, who's organizing the Nova Scotia corporate campaign, reported that the gift target had been raised.

PRESIDENT'S REPORT

The Maritime Provinces Higher Education Commission has advised the university that the operating deficit must be reduced. So far, the commission hasn't responded to the plan the university submitted for reducing the deficit.

MacKay and other local-area university presidents met with members of the education committee of the Legislature to discuss university problems. He met with the Minister of Education to discuss Dal's concerns. The board's investment committee has switched certain funds from equity to interest-bearing investments to increase current revenue.

MacKay mentioned recent class reunions and the convocations saying they were well organized.

Dal's campus is busy this summer, with summer school and a number of conferences.

There's progress regarding the appointment of senior administrators.

New drug may help people with spinal cord injuries

People with spinal cord injuries may get help in improving sensation in their limbs and in reducing spastic movements.

Dr. Patricia Nance, a Halifax specialist in physical medicine and rehabilitation who has conducted a small preliminary drug trial with volunteer patients at the Nova Scotia Rehabilitation Centre, has demonstrated that Clonidine, a drug used since the Sixties, helps to suppress abnormal movements in the limbs of patients who have suffered spinal cord injury and paralysis.

"We found the drug to be effective, so we decided to pursue it further," said Nance, who received a Lalia B. Chase Fellowship from the Dalhousie Medical Research Foundation for her research.

Volunteers go through a five-week treatment period where researchers study the reflex response of their leg muscles. Improvement on spinal cord function is measured by an evoked response. A painless electrical stimulus is applied to each ankle, and the amount of current, if any, conducted through the spinal cord to the brain is recorded by electrodes placed on the scalp.

"We have been gratified to report the restoration of the evoked response in one quadriplegic patient while he was being treated with Clonidine."

Nance, who says that spasticity is not precisely understood, is working with Dr. Jana Sawynok, of pharmacology; Dr. Ronald Carr, a rheumatology professor and Dr. Arthur Shears, who heads physical medicine and rehabilitation.

About three years ago, Nance read how cats with spinal cord injuries recovered movement in their hind legs and bladder control.

With paralysis there are alterations in bladder and bowel control and loss of fertility.

Nance wants to investigate the effects of spinal cord injury on fertility. With Dr. Morris Givner she may develop a test for the peptide, inhibin, which is secreted by the testes and may be adversely affected by certain types of spinal cord injury. But the research may benefit others who are infertile.

Every year in Nova Scotia about 20 people sustain spinal cord injuries as a result of traffic accidents. —Barbara Hinds

Accessibility on campus: good and bad

A three-month accessibility survey conducted by two occupational therapy students shows that Dalhousie's campus "definitely needs a lot of work."

Occupational Therapy students Sandra Delaney and Alana James, who completed the survey at the end of July, say that accessibility to buildings on campus ranges from "good" to "quite bad." Certain buildings are simply not accessible to some handicapped persons.

The survey resulted in a 100-page report. It considered the needs of persons in wheelchairs, the visually handicapped, the hearing impaired, persons with respiratory and cardiac problems. The students studied every building on campus, made recommendations for each one and for the campus as a whole. They've listed their recommendations in order of priority and detailed the costs involved to fix the problem.

During their research Delaney and James travelled the campus in wheelchairs to test building accessi-

bility. "Going in wheelchairs made a big difference," Delaney says. Buildings that seemed accessible on feet weren't always accessible by chair. A building, for instance, might have a ramp, but it wasn't always level with the sidewalk and the students weren't able to manoeuvre their chairs over the incline.

Delaney and James found many of the doors needed a far heavier push than the eight-pound maximum standard. But they can be easily adjusted.

In fact, many of their recommendations can be easily implemented without much cost.

One more costly improvement in terms of accessibility would be a link from the Killam Library to the Chemistry Building, says OT director Barbara O'Shea, who supervised the study.

The study developed from a recommendation by the presidential advisory committee on the employment of women, handicapped persons and members of minority groups.

Academic Notes

THESIS DEFENCE

In June, Donald Douglas, of oceanography, delivered his thesis defence on "Spatial association and trophic coupling of heterotrophic bacteria with phytoplankton."

In June, Archana Chaudry, of pharmacology, delivered a thesis defence on "The effects of calcium-channel drugs on the sympathetic nerves of the rat: an invitro and in vivo study."

Ambekar Eshwar Eknath, an oceanography student, presented his thesis defence in June on the "Intensity of selection on life history traits in cultivated fish populations."

CROWLEY GETS FELLOWSHIP

History professor John Crowley has received a research fellowship from the John Carter Brown Library at Brown University.

Crowley will study mercantilism and the early American fisheries using the library's extensive collection of early and rare Americana, which includes a collection of 1477 to the mid-19th century, accounts by explorers, books concerning the colonization and growth of European colonies in North and South America.

Crowley, who has been with Dal since 1970, has his MA from the University of Michigan and his PhD from Johns Hopkins.

PROFESSOR PRESENTS PAPER

Professor Marie J. Myers, of the French department, presented a paper entitled "Comment enseigner la temporalité verbale par le biais d'actes de communication" at the Learned Societies Conference at the Université de Montréal in June.

FORMER DAL PROF WINS AWARD

Dr. Mariko Yasugi, a former post-doctoral fellow in mathematics at Dal-house recently received the fifth Sarnahashi Prize awarded in Japan to a woman scientist for distinguished activities in scientific research.

Yasugi, of the University of Tsukuba, recently wrote "Groundness Property of Ordinance diagrams and "Hyper Principle and the Functional Interpretation of Ordinal Diagrams."

In a letter to Dr. M. Edelstein, professor emeritus in the department of math, statistics and computer science, she noted the "stimulus and influence" her former colleagues at Dal had provided her. "My stay at Dal has meant a lot to me in my later career," she said.

Yasugi taught at Dal from 1970 to 1972.

GAEDE MADE ADJUNCT PROFESSOR

Dr. Friedrich Gaede, of the German department, has been appointed adjunct professor at Queen's University, Kingston, Ont.

OCEANOGRAPHY PROF GETS GUEST CHAIR

Oceanography professor Dr. Larry Mayer has been appointed to a guest chair in the geology department at the University of Kiel in West Germany for the summer semester of 1986.

DOOLITTLE ELECTED AMERICAN FELLOW

Dr. W. Ford Doolittle, of biochemistry, was one of only six Canadians recently elected to the Council of the American Association for the Advancement of Science (AAAS).

The association, which elected 312 individuals as fellows, describes a fellow as "a member whose efforts on behalf of the advancement of science or its applications are scientifically or socially distinguished."

The AAAS, formed in 1848, is one of the leading general scientific organizations in the United States with about 136,000 individual members and about 285 affiliated scientific societies and academies of science.

PROFS DELIVER PAPERS

Nine chemistry professors presented papers at the annual conference of the Chemical Institute of Canada in Kingston, Ont., in June. Professors D.R. Arnold, W.A. Aue, B.J. Forrest, O. Knop, P.D. Pacey, L. Ramaley, D.E. Ryan, R.E. Wasylshen and M.A. White presented papers individually or as part of a group.

Dr. James Pincock presented the Union Carbide Award lecture.

ARMY WELFARE FUND BURSARIES

The Canadian Army Welfare Fund offers bursaries to dependents of members and former members of the regular Canadian Army or Canadian Army Special Forces (Korea).

Selection is based on financial need, scholastic ability and member's length of service in the Canadian Army.

The bursaries cover full-time tuition for undergraduate studies. Applicants must not be older than 25 and able to provide details of their parents' army service, such as rank, service number and length of service. Application deadline is July 1 in the year of application. It's too late to apply for this year, but start thinking about the next. For information and applications write to the Bursary Program, Canadian Army Welfare Fund, P.O. Box 719, Postal Station B, Ottawa, Ont. K1P 5P8.

MORIARTY GETS \$50,000 TO KEEP PACE

Dr. Kevin Moriarty of Dal's department of mathematics, statistics and computing science has been awarded the prestigious PACER fellowship.

Moriarty will receive \$25,000 U.S. for each of the next two years from Control Data's Program for Advanced Computing in Engineering and Research. He is the only Canadian and one of 12 worldwide to be selected for the fellowship.

Moriarty's work in quantum chromodynamics takes him into the sub-atomic world of quarks, gluons and other aspects of particle physics. Researchers in this field must have access to the best supercomputer facilities, as a typical calculation may involve five million equations.

RAVINDRA ON EIGHT-WEEK TOUR

Dr. Ravi Ravindra, chairman of the Religion department, is one of ten faculty members from around the world invited to lead a group of 150 students on an eight-week tour as part of the World Seminar for Youth in the Study of Comparative Religions.

The group left for New York in July and headed to Israel (Judaism), Turkey (Islam), Italy (Christianity), India (Hinduism), Thailand (Buddhism), China (Marxism-Buddhism) and South Korea (Mahayana Buddhism).

CHOSEN FELLOWS

Dal professors Dr. Amareo Chatt and Dr. James Pincock have been elected fellows of the Chemical Institute of Canada.

The fellowships recognize chemical engineers and educators who have made or are making a major contribution to the science or to the profession of chemistry or chemical engineering.

Chatt is an associate professor with the Trace Analysis Research Centre. Pincock is an associate professor of chemistry.

The Chemical Institute of Canada is a 9,500-member national organization of chemists, chemical engineers and chemical technologists.

FOUR LAW SCHOOL GRADS ARTICLE WITH SUPREME COURT JUSTICES

Four 1985 law school grads will head off to the Supreme Court of Canada as articling clerks to four justices.

Law grads from across Canada competed for the sought-after positions.

Isobel Grant, of Dundas, Ont., will complete her Master of Laws degree at Yale University, in New Haven, Conn., before articling with Justice Willard Estey.

Peter Rogers, of Halifax, who's now taking the bar admissions course, will begin his articles with Chief Justice R.G. Brian Dickson in January.

Janet Christine Birnie, of Telkwa, B.C., will article with Justice William McIntyre and Hester Lessard, of Broad Cove, N.S., who's now doing her bar admissions course, with Justice Bertha Wilson.

BURSARY DEADLINE EXTENDED

The deadline for applications for the Cal Callahan Memorial Bursary has been extended until Nov. 30, 1985.

Sons, daughters or legal wards of people who work in the pipeline industry are eligible for a \$2,000 bursary. For information and applications write to the Pipe Line Contractors Association of Canada, Suite 720, 5915 Airport Road, Mississauga, Ont., L4V 1T1.

GORDON RECEIVES HONORABLE MENTION

Dr. D.V. Gordon, of the economics department, received an honorable mention from the American Agricultural Economics Association for his PhD dissertation.

CAMBRIDGE BURSARY

A number of bursaries, research studentships and research fellowships are available at Peterhouse, Cambridge.

Deadlines are in Sept. and Oct. For information and applications write to the Tutor for Admissions, Peterhouse, Cambridge, UK, CB2 1RD.



At the opening of the training program for management and conservation of marine resources some of the participants got together. From left, Christopher Pinto, former Sri Lankan ambassador to the Law of the Sea conference, John Van der Meulen of the marine ecology lab, Elizabeth Mann Borgese, a political science professor who chairs the planning council of the conference and Velimir Pradic, course director. (Carlos photo)

Notebook



The new executive of the Board of Governors pose with Lord Dalhousie. They are, from left, George Piercey, board vice-chair; Allan Shaw, honorary treasurer; Dr. Donna Curry, honorary secretary; Peggy Weid, vice-chair and Struan Robertson, board chair. (Carlos photo)

OUR MISTAKE

We incorrectly spelled the name of a library student in the June 5 edition of *Dal News*. Anna Hansen, not Henson, received an \$11,500 NSERC post-graduate scholarship. *Dal News* apologizes for the error.

GILL TAKES OVER HEALTH SERVICES

Dr. Rosemary Gill is the new director of Health Services. She takes over from Dr. Joe Johnson who'll continue to see patients at the clinic. He'll also remain director of safety and environmental health.

Johnson will be on study leave in September and October.

THIS YEAR'S CHAIRPERSONS

Here's the list of academic chairpersons at Dalhousie, effective July 1:

- W. Kimmins, Biology;
- R.W. Chambers, Biochemistry;
- W. Aue, Chemistry;
- R. Friedrich, Classics;
- E. Klein, Economics;
- L.E. Haley, Education;
- J.C. MacKinnon, Engineering;
- B. Stovel, English;
- M. Bishop, French;
- M. Zentilli, Geology;
- F. Gaede, German;
- N. Pereira, History;
- K. Dunn, Math, Statistics and Computing Science;
- R. Rosenberg, (director) Computing Science Division;
- K.B. Easterbrook, (acting) Microbiology;
- C. van Feggelen, Music;
- A. Bowen, Oceanography;
- S. Sherwin, Philosophy;
- W. Geldart, Physics;
- G. Winham, Political Science;
- R.S. Rodger, Psychology;
- R. Ravindra, Religion;
- I. Vitins, Russian;
- V. Thiessen, Sociology and Social Anthropology;
- J. Holloway, Spanish;
- P. Perina, Theatre;
- K. Waterson, (director) Transition Year Program.

GOLDBLOOM ROASTED

Dr. Richard Goldbloom, professor of pediatrics, was roasted at the recent annual meeting of the Atlantic Provinces Pediatric Society.

PROSPECTS FOR YOUNG PEOPLE AND FAMILIES

"Prospects for Young People and Families: The Bleak and the Promising," the theme of the upcoming national conference of the Canadian Mental Health Association, will probe youth-related topics.

During a three-day meeting in Halifax from Sept. 18 to 21, delegates will discuss "home and school," "work and family," and "specific problem areas."

For more information write: Conference co-ordinator, Mental Health/ Nova Scotia, 5739 Inglis Street, Halifax, B3K 1K5

COMPUTER CAMP

Dal's Phil O'Hara will teach computer skills to novice and advanced-level nine to 14 year olds.

O'Hara, supervisor of the Computer Centre's teaching unit, will show students how to write and run programs using basic and other program languages using Cyber computers. The camp also includes daily recreational activities.

Courses run from 9 a.m. to 4 p.m. in two sessions: Aug. 12 to 16 and Aug. 19 to 23. The cost is \$95.

For more information call Dalplex at 424-2558.

SEXUAL HARASSMENT ADVISORY COMMITTEE

A brochure on sexual harassment is available from the Sexual Harassment Advisory Committee. It outlines recourse available should you experience sexual harassment as a student, staff or faculty member.

Judy Hayashi, of counselling and psychological services, will chair the advisory committee during Susan Ashley's leave.

FACULTY CLUB HOURS CHANGE FOR SUMMER

The Faculty Club has changed its hours for the summer. The dining room is open Monday to Friday for lunch only (12 noon to 2 p.m.). The Pub is open from 11 a.m. to 11 p.m., Monday through Saturday. "Pub Grub" is available any time.

REGIONAL SCIENCE JOURNAL PUBLISHED

The Spring 1985 issue of the *Canadian Journal of Regional Science* is now available at the Institute of Public Affairs.

Articles include *Cash Incentives Versus Tax Incentives for Regional Development: Issues and Considerations* and *Role of Office Location in Regional Town Centre Planning and Metropolitan Multinucleation: The Case of Vancouver*.

ARTS AND SCIENCE SENATE REPS

Paul Huber, Marcia Ozier and Marjorie Stone were recently elected by acclamation to be arts and science representatives to Senate, filling three vacancies left from an earlier call for nominations. They will serve until 1987.

This brings to 16 the number of arts and science faculty members who serve on Senate.

They are:
Edith Angelopoulos, Biology;
Herman Bakvis, Political Science;
Marian Binkley, Sociology and Social Anthropology;

Michael Bradford, Economics;
Melvin Cross, Economics;
Martin Gibling, Geology;
Paul Huber, Economics;
Larry Mayer, Oceanography;
John O'Brien, History;
Marcia Ozier, Psychology;
Jane Parpart, History;
Michael Rose, Biology;
David Schroeder, Music;
Surinder Sodhi, Education;
Marjorie Stone, English;
David Wootton, History.

KNIGHT OF THE YEAR

The Knights of Columbus has named John Turney, of Dalhousie, Knight of the Year.

Turney, stack supervisor at the Killam Library, received the award from Premier John Buchanan at a recent ceremony.

Nearly a year ago Turney became Canada's first black Grand Knight. At the organization's 65th annual convention in Sydney, N.S., this spring Turney received the Knight's top honor as Grand Knight of the Year for his work in the organization.

The Roman Catholic organization, which Turney joined 23 years ago, performs volunteer work with the clergy, supplying labor for work projects and transportation for seniors and others on fixed incomes.

FIRST TRAINING SESSION HELD

In June, Personnel/Payroll held its first training session for secretaries at Dalhousie.

Twenty-five secretaries attended sessions designed to improve secretarial skills in communication and role definition.

The workshop, held at the Henson Centre, demonstrated basic communication skills such as effective listening, body language, appropriate personal presentation, effective group behavior and appropriate self disclosure.

With the participants, workshop leaders, using a variety of learning methods, analysed the culture of Dal as a working environment and defined the professional role of support staff within that environment.

Secretaries were briefed on their professional rights and responsibilities and got the chance to practice some assertive behavior techniques.

LAW ALUMNI PARTY

Dal law alumni will hold a party for the Canadian Bar Association at 5 p.m. on Aug. 18 at the Dal Faculty Club.

All Dal law alumni and guests are welcome.

The Canadian Bar Association is holding its 67th annual meeting in Halifax Aug. 18-22.

RECORD YEAR FOR DTP

Dalhousie Theatre Productions' 1984/85 seasons recorded its best season ever, selling an average of 94 per cent of its seats.

The *Crucible* was its most successful production and an extra performance was added. See *How They Run* and *This Can't Be Love* sold 99 per cent of their performances.

DTP ANNOUNCES NEW SEASON

Dalhousie Theatre Productions will present four shows in the 1985-86 season.

The first in the series, *Fifth of July*, runs Oct. 16 to 20 in Studio One. Then *Rose* is featured in the Sir James Dunn Theatre from Nov. 27 to Dec. 1. Another production, yet to be announced runs Feb. 5 to 9 in Studio One and *She Stoops to Conquer* finishes the season off from March 26 to 30 in the Sir James Dunn Theatre.

A DTP laboratory production will run Nov. 14 to 16.

For more information contact Blanche Potter at 424-2233.

Staff Matters

NEW APPOINTMENTS

Irena Z. Oore, lecturer in the French department for a period of three years, effective July 1.

Donald P. Sheridan, associate professor for three years, in the Faculty of Management Studies, with membership in the Faculty of Graduate Studies, effective July 1 (probationary tenure track).

Rodger Rittmaster, assistant professor in medicine from June 1, 1985 to June 30, 1987.

REAPPOINTMENTS

Thomas J. Kemsley, assistant professor, Faculty of Law, for another two years, effective July 1. Also reappointed as assistant director of the Dal Legal Aid program for another two years, effective July 1.

Vaughan E. Black, assistant professor for three more years, effective July 1 (tenure track).

D.A. Rolfe Thompson, assistant professor for three more years, effective July 1 (tenure track).

Burglind G.E. Gregg, lecturer in the department of oral diagnosis and oral surgery for another year, effective July 1.

Richard A. Barker, assistant professor in the anesthesia department for another three years, effective July 1.

Hinrich Bitter-Suermann, professor in the department of surgery for three more years, effective July 1.

Ian A. Cameron, associate professor in the department of family medicine for two more years, effective July 1.

Ivan E. Carter, assistant professor in the psychiatry department for another three years, effective July 1.

C.R. Tim Dean, associate professor in the department of medicine for three more years, effective July 1.

Joseph M. Dooley, assistant professor in pediatrics for three more years, effective July 1.

Jacqueline Evans, lecturer in pediatrics for three more years, effective July 1. Also holds appointment as lecturer in obstetrics and gynecology.

Andrew C. Issekutz, assistant professor in pediatrics for another three years, effective July 1. Also appointed assistant professor in the microbiology department for three more years, effective July 1.

Thomas Issekutz, assistant professor in pediatrics for three more years, effective July 1. Also appointed assistant professor in the microbiology department for three more years.

Edith Jones, associate professor in the department of medicine for three more years, effective July 1.

John V. Jones, professor in the

department of medicine for three more years, effective July 1.

C. William McCormick, assistant professor in the department of medicine for another three years, effective July 1.

Terrance J. Montague, assistant professor in the department of medicine for three more years, effective July 1. Also appointed assistant professor in physiology and biophysics for three more years, effective July 1.

W. Desmond R. Writer, associate professor in the department of anesthesia for another three years, effective July 1. Also holds appointment as associate professor in obstetrics and gynecology.

Roderick W. Landymore, assistant professor in the department of surgery for three more years, effective July 1.

William Y. Ling, associate professor in obstetrics and gynecology for another year, effective July 1. Also holds appointment as associate professor in physiology and biophysics.

Mary G. Murphy, assistant professor (research) in the department of pharmacology for two more years, effective July 1.

Walter F. Schlech, assistant professor in the department of medicine for another three years, effective July 1.

Also appointed assistant professor in microbiology for three more years, effective July 1.

Jeanne R. Duncan, lecturer in pediatrics, New Brunswick Residency Training program, for two more years.

Peter Jackson, lecturer in the department of anesthesia, New Brunswick Residency Training program, for two more years.

Allison C. Kelly, assistant professor in the department of anesthesia, New Brunswick Residency Training program, for two more years.

Verinder Khanna, associate professor in the department of medicine, New Brunswick Residency Training program, for two more years.

Roderick MacDonald, associate professor in pediatrics, New Brunswick Residency Training program, for two more years.

Walter D. Miller, associate professor in the department of surgery, New Brunswick Residency Training program, for another year.

Isaac Uy, assistant professor in the department of anesthesia, New Brunswick Residency Training program, for two more years.

Kenneth F. Wells, lecturer in the department of anesthesia, New Brunswick Residency Training program, for another two years.

Joyce Kublin, professional librarian 2 in the W.K. Kellogg Health Sciences library for another year, effective July 1.

CROSS APPOINTMENT

John L. McMullan, honorary adjunct professor in sociology and social anthropology for three years, effective July 1.

JOINT APPOINTMENT

Joan M. Dawkins, assistant professor for four years in the Faculty of Law, effective July 1, and executive director of the Dal Legal Aid program for three years, effective July 1.

OTHER APPOINTMENTS

John F. Fraser, George Munro professor in the English department, effective Sept. 1.

Roger G.S. Bidwell, honorary adjunct professor in the biology department for three years, effective July 1.

Hildgund I. Scempf, honorary adjunct professor in the biology department for three years, effective July 1.

SABBATICAL LEAVES

John D. Cousens, assistant professor in the engineering department, from July 1, 1985 to June 30, 1986.

Miriam J. Stewart, associate professor, nursing, from Sept. 1, 1985 to Aug. 31, 1986.

Richard Goldbloom, professor in the department of pediatrics, from Nov. 15, 1985 to May 15, 1986.

PROMOTIONS

Wayne A. MacKay, from associate professor to professor, Faculty of Law, effective July 1.

Russell D. Webster, from assistant professor to associate professor in obstetrics and gynecology, New Brunswick Residency Training program (also reappointed for two years), effective July 1. Also appointed as Chief of Service of obstetrics and gynecology for five years, effective July 1.

EXTENSION

John H. Scheibelhut, director of the School of Business Administration for another year, effective July 1.

In Memoriam



CHRISTINE IRVINE

Christine I. Irvine, who had been Dean of Woman for 23 years, died in July.

An editorial in *The Mail Star* noted that Christine Irvine had "touched the lives of a generation of young people with a concern and a grace that always must be an inspiration to them."

Born in Regina, Sask., she grew up in Bridgetown, N.S., and worked in her father's office there before joining the Royal Bank of Canada. After two years she entered Dalhousie, graduating in 1947 with a Bachelor of Commerce degree.

After working for the federal government she joined a chartered accounting firm and obtained her CA — the third woman in Nova Scotia to receive one. She was also the first woman elected to

the council of the Institute of Chartered Accountants of Nova Scotia. *The Mail Star* referred to her as a pioneer.

As well as serving as dean of women she had also lectured in accounting and was considered a staunch supporter of equal opportunities for women, particularly in the business and professional fields.

DAVID JONES

David Jones, who graduated from law in May, died in July after a long battle with cancer.

At the May convocation he delivered a moving valedictory address in which he told the graduates not to get too caught up in money, prestige and workaholicism. His classmates, who had given him a hearty round of applause even before his speech, followed it with a standing ovation.

He said that even in times of crisis, they should try to remember the good things. He followed that advice. "He never lost his sense of humor, with which he was abundantly endowed," said a columnist in *The Daily News*.

Born in Dartmouth, he was a son of David Jones, QC, and Marie (Martin) Jones.

He graduated from Dalhousie with his BA and his LLB and was articling with the law firm of Anderson, Heustis and Jones.

He served as manager of the Canadian national canoeing team during a European tour. He had been a superb athlete who had had "a real shot at making an Olympic team."



CECIL TUCK

Cecil Tuck, a professor of public administration, died earlier this month in Zimbabwe. He was 60.

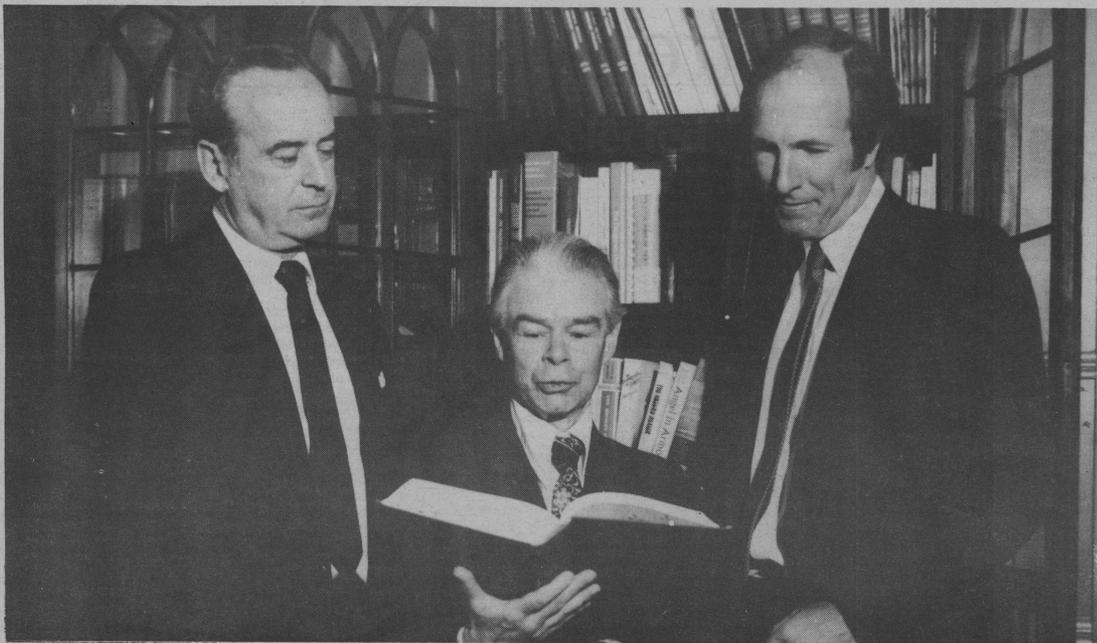
He had been at the University of Zimbabwe, in Harare, for the past year teaching public administration and helping to set up a one-year diploma course in public administration.

"He was a fine and sensitive kind of guy," says Donald Cherry, the director of the Centre for Development Projects who got to know Tuck in Zimbabwe. "He was always sensitive to the cultural differences."

Professor Tuck was noted for his warm hospitality, especially towards the new international students, says Cherry.

Born in Shawville, Que., he received his BComm from St. Patrick's College in Ottawa and his Master of Public Administration, with distinction in 1957 from Syracuse University in New York.

He held a variety of management positions before joining Dalhousie five years ago. Besides teaching public administration he had served as a special adviser in the President's office on administration personnel policy, salary policy and collective bargaining.



Dr. S.E. Spratt, Centre, who's donated his entire collection of Australian literature to Dal is shown with President Andrew MacKay and A.J. Billingsley of the Australian High Commission in Ottawa. The Australian government has donated \$500 to Dal to update the collection. (Carlos photo)

Classified

If you have something to sell or rent, or if you want to buy something, this space is reserved for you. *Dal News* will list your private classified ad free of charge. Just mail us your submission (please keep it as short as possible) and we'll run it (space permitting) for as long as possible. Send it to Dal News, Public Relations, Killam Library, Dalhousie University, Halifax, N.S. B3H 3J5. Please include a phone number where you can be reached during the day. Phone numbers will be published only on request. Sorry, we cannot accept placements over the phone. To cancel ad, call 424-3643. While every effort is made to ensure accuracy, we cannot assume responsibility for errors. Deadline for submissions is Tuesday at noon, the week's before publication.

FOR SALE: Large, spacious, well-kept bungalow. Fully-insulated, wood stove, in Wedgewood Park. Possible in-law suite, large cultivated lot. \$127,900. Phone 443-1623.

WANTED: Two bedroom apartment (unfurn'd) to rent by Killam Postdoctoral fellow and family (one child), beginning Aug. or Sept. Preferably close to Dal. Rent about \$475. Please call collect to John Portelli at (514) 488-1651 after 6 p.m.

FOR RENT: Two bedroom unfurnished hydrostone row house, North End Halifax. Avail. July 1. \$650 per month plus utilities. Call Marian Binkley, 425-6583 or 424-3775

FOR RENT: Two-bedroom apartment in Park Victoria. \$679 utilities included. Call 429-3377 between 12 and 9 p.m.

FOR RENT: Four-bedroom house in central Halifax. Furnished. Available Aug. or early Sept. 1985 (dates negotiable) until June 1986. \$850 per month plus utilities. Call Jane or Steve, weekdays after 6 p.m. at 454-4015.

FOR RENT: Large furnished bedroom in quiet private home for non-smoking male. No cooking \$75 per week. Suitable for visiting lecturer while not rented for bed and breakfast. 429-4935 or 424-3656. Ask for Celia Fried.

WANTED: To rent, by faculty couple, unfurnished two bedroom apartment or house, preferably near Dal, beginning Aug. 1, 1985. Phone Christine at 424-7052 (w) or 445-2220 (h).

WANTED: To share with one other person (Dal faculty) a two and a half bedroom house in lovely grounds, near Dingle Park on Northwest Arm, one person (preferably female). House is a ten-minute drive from the universities. \$450 per month including utilities, available from Aug. 15. Contact Joan Harbison, 424-3760(o); 479-1178 (h).

FOR SALE: 1979 Chev half-ton, excellent condition. Has fully-equipped camper. One owner. Phone Rod at 426-5426 (days) or 826-7409 (after 6).

FOR SALE: 1978 Chevrolet Nova. Blue, 4-door. Good condition. 71,000 miles. 250 CID six cylinder engine. \$1,900. **FOR SALE:** 1977 Chev Impala, 350 CID, 4 bbl., automatic. \$2,500 or best offer. Ask for Larry at 469-3023 (9 to 5) or call 823-2273 after 6 p.m.

FOR SALE: 1978 Chevrolet Nova, 4-door, power steering, power brakes, V-8 engine, 51,000 km, 5 new tires plus two snows, excellent condition, \$2,900. 455-5504.

WANTED: Mesh play pen, good condition. Call 861-1856 between 6 and 8 p.m.

FOR SALE: 30-inch GE range, gold, self cleaning oven, excellent condition. Stainless steel large single sink with taps. 24-inch and 30-inch mahogany slab doors, mahogany kitchen cabinet doors, assorted sizes with hardware. Phone 443-4663 anytime.

FOR SALE: Antique walnut bedroom set. Consists of large 5-drawer highboy, master dresser with mirror, vanity with mirror and matching upholstered stool. Excellent condition. \$900 for complete set. Phone 435-7774 after 6 p.m.

WANTED: Full-size washer and dryer in excellent working order. Phone 435-7774 after 6 p.m.

FOR SALE: Hitachi HT-1 turntable and Hitachi HA-22 amplifier (30 watts per channel) and Sound Dynamics speakers (1 1/2 years old). \$600. Also, 19-inch Magnasonic color TV, 3 years old. Call Mike at 423-6022 or 425-3999.

FOR SALE: Tape deck TEAC-CX-270. Good working condition. \$80. 424-2203 or 477-8518.

FOR SALE: Nikon camera, w/28mm, 35-80mm and flash, \$320. CGE countertop oven, never used, \$100. Chair and table, \$65. Table lamp, \$10. Panasonic hi-fi, \$210. Phone 423-8854 after 6 p.m.

FOR SALE: Two decorator lamps, excellent condition. Will sell separately or as a pair. \$40. 429-2323 (evening), 424-3567 (weekdays).

FOR SALE: Large bearskin rug, \$200. Fiberglass tub and faucet, new, \$400. Poulan 14" chain saw, \$100. Call 429-0769.

WANTED: Trinocular stereomicroscope, second-hand, reasonable. Phone Douglas Russell at 424-2399 during working hours.

TO LEASE: Assume lease (to buy) on 6-month old Xerox 627 Memory writer. 15-page storage capacity, bolding, underlining, justifies margins, proportional spacing, etc. Call Cheryl at 424-3760.

FOR SALE: Four Lanparscope XT-50 terminals. \$500 each or best offer. Contact Joey Barron, Faculty of Dentistry, 424-8866.

FOR SALE: Centronics 730 dot matrix printer, friction and tractor feed, 80 column, \$200. ALSO, Quadram parallel interface for Apple II+, Ile or compatible. \$50. Phone 443-1252 (evenings) or 424-7080 (days). Ask for Bob Blunden.

FOR SALE: Keynote KD 250 Smart Terminals. \$595 each for students, professors. Brand new. Contact Roland Bourgeois, 425-0200.

FOR SALE: Apple II+, 64K, 2 disc drives, printer (letter quality or dot matrix), language card, RF modulator, manuals, software (includes Visicalc, Applewriter II, Logo, games, tutorials). \$1,900 or best offer. Call 469-8853.

FOR SALE: Men's Raleigh 10-speed bike, \$60. Phone 424-3564 (w) or 477-8466 (h). Ask for Dave.

TO SWAP: One pair cross-country skis (with bindings) and poles for one single or three-speed adult bicycle. Phone 3811 or 422-2990.

FOR SALE: Youth's 20" Triumph 10-speed racer bicycle, \$125. Girl's 19" Raleigh 3-speed touring bicycle, \$100. Both in excellent condition. Phone 422-3365 after 6 p.m.

FOR SALE: 1976 Johnson outboard motor, 20 h.p., \$500. Call 861-1856 between 6 and 8 p.m.

FOR SALE: Mummy-style sleeping bag with baffled side zipper. Good to at least zero degrees Celsius. \$80. Call John at 423-1644.

FOR SALE: Yamaha FG-512 II 12-string acoustic guitar, with case. Excellent condition. Asking \$300. Ask for Fred at 422-9782.

WANTED: Ride to and from Dalhouse from Forest Hills, Dartmouth. Willing to share expenses. Phone Julie, 424-2511.

WANTED: Odd pieces to complete a set of Sunflower pattern china by VERA. Phone 422-5383, evenings.

WANTED: Reliable, kind person to give TLC to six-month old boy. Mon. to Fri. 8 a.m. to 5 p.m. in your home. References please. Call Ellen Tancock, 424-2056 (days), 443-8781 (evenings).

FOR SALE: Winter full-length beige coat. Excellent condition. Size 11. \$30. Phone 445-4151 after 5:30 p.m.

FOR SALE: Wooden storm windows, assorted sizes. \$2 to \$5 each. Very reasonable. Phone 422-5526 after 5 p.m.