



Super students David Cardozo, Jan Friedrich and Kent Young are on their way to three of the world's top universities, with the help of about \$200,000 in scholarships. (Carlos photo)

Meet three super students

Kent Young always wanted to study at the Massachusetts Institute of Technology. Now he will. With a \$17,500 scholarship a year over four years from the Natural Sciences and Engineering Research Council, Young, 21, who is graduating with a BSc (Honours) in chemistry, will conduct research with an MIT chemist who's doing some "very innovative work".

Young, of Halifax, liked Dr. Mark Wrighton's multi-disciplinary approach, which includes work on the early detection of gangrene, sub-molecular photosynthesis and the storage and conversion of solar energy.

Young, who is modest about his academic skills, has represented the student chapter of the Chemical Institute of Canada, "loves to play bridge," curis, plays golf and enjoys the theatre.

A move to the U.S. and away from home will be a big step, he says, and he still can't believe that three renowned U.S. universities accepted him and offered financial help. "I was very, very surprised."

David Cardozo is still waffling between Harvard and the University of Arizona.

He is a 31-year-old graduating with his BSc in biology who has won a \$17,500 scholarship annually for up to four years from the Natural Sciences and Engineering Research Council.

In neuroscience, he will study brain cells and how they affect behavior. "It's a really exciting exploration," he says. During the past academic year he took a course in cell biology with Dr. Tom MacRae and an introduction to neuroscience with Dr. Ian Meinertzhagen, and credits them with "pushing me along" to apply for the scholarship.

Cardozo has a diverse background. After graduating from Montreal's Concordia University with a BA

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Dal prepares and pares a new budget

They were orderly and polite and civil. They could have been attending a prayer meeting rather than the first-ever open meetings held at Dalhousie in recent years to consider the implications of budget cuts.

Maybe they WERE praying — or simply resigned to the inevitability of once again living with their belts tighter than ever.

"They" were members of faculty and staff at Dalhousie who went along to the Hudson Auditorium of the Henson Centre to listen to members of the new University Budget Advisory Committee (UBAC) explain how Dalhousie does its budgeting and what was needed for 1985-86. And the UBAC was there to listen, as well.

The open meetings convened by UBAC, held on consecutive days late in April, attracted about 75 faculty and staff to the first session and about 50 to the second. As the people entered the room, they were given a Dal News update, with attachments, of budget breakdowns, explaining the progress of UBAC and showing proposed budget cuts over and above the 3.5 per cent asked of academic units and 5 per cent asked of non-academic units.

President MacKay welcomed faculty and staff to the first session and thanked UBAC for what it had done so far. But he couldn't make it to the second session and Vice-presidents Alasdair Sinclair and Robbie Shaw, who bore the brunt of the questioning and comments at the first session, carried the ball at the second.

At both sessions, Shaw explained briefly the budget. What this item was, what this figure meant.

Sinclair told the audiences that UBAC was working as well as could be expected, that Deans and others were working under certain assumptions, assumptions that had since been borne out by the actual funding Dal now knew it would receive for 1985-86.

And yes, he added, the 3.5 and 5 per cent base cuts were causing difficulties: to those trying to prepare — and pare — their budgets.

Dr. Arend Bonen, of the School of Recreation, Physical and Health Education, wondered if there had been any reaction to the base cuts, since they seemed to be cutting in many cases to the bone.

Sinclair: There are clearly departments which cannot cut their base by 3.5 per cent. Yes, some will be cut to the bone.

Shaw: We cannot continue with across the board cuts. But the alternative is to make some very difficult decisions.

A representative from the School of Nursing thought we were in a Catch 22 situation. If we had to restrict enrollment, we would be penalized the following year because grants based on enrollment would not be forthcoming for students who did not enrol at Dal.

Sinclair: It's a severe problem. We need to devise a system that takes revenues into account.

Asked if he had not said last year that there would be no more across-the-

board cuts, Shaw said, Yes, you're absolutely right. But we had to do it again because academic planning process has not moved along as quickly as we thought it would have.

Pat Donahoe: How come 5 per cent cuts for non-academic areas?

Sinclair: To make cuts in the academic areas any more than 3.5 per cent would seriously affect academic programs.

Randy Barkhouse, of the Computer Centre: If sports are cut, students may not come to Dal. And a lot of alumni feel strongly about sports. To cut them is false economy.

Alex Gigeroff, outgoing president of the Student Union, said the union was as concerned as anyone about the budget. We believe it is important that tough, responsible decisions be made. Some of his points:

1. The academic areas must be considered separately from the non-academic, even though they are related.

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TWELVE PROMINENT CANADIANS TO RECEIVE HONORARY DEGREES

See page 12

1,800 TO GRADUATE

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To the editor:

SILENCING WOMEN

I weary of reading about Professor John Fraser and how he was "chewed up in the new machinery" of the procedures for dealing with sexual harassment complaints at Dalhousie.

The complainant's trials and tribulations in this matter have never received any coverage in the press, to my knowledge. As in most disputes, it is likely that there are two sides to this particular story. But the complainant has never made her side known publicly.

This is hardly surprising. It seems that a defamation suit was launched against her simply for laying the complaint. The matter was finally settled, but it is understandable that nothing more has been heard from her.

Women's silencing and subordination takes many forms in our society. Sexual harassment is clearly one form. The defamation action would appear to be another, and seems to be the current vogue.

Fear of such lawsuits, groundless though these suits may ultimately prove to be, has a strong tendency to negate the freedom of expression that the Charter of Rights and Freedoms promises us. Such a fear may well be the reason that other views have not been heard in this sexual harassment matter. The fact that the defendant may have a defence — such as "fair comment" or "truth" — does not minimize the disrupting effect that such a suit can have on the defendant's life. More importantly, fear of a lawsuit serves as an effective gag. And yet this is a country which purports to place a high value on freedom of expression.

Few can afford the financial and emotional expense of a lawsuit. Those who can are the ones who have "freedom of expression" in the most real sense. The rest of us must remain silent or choose our words very carefully, if we are challenging the institutionalization of women's subordination in society or in any other way posing a threat to those white males who currently have a monopoly on power.

Of course, freedom of expression must be exercised within the "reasonable limits" of section 1 of the Charter.

But it may well be that the law with respect to defamation is unconstitutional if its net effect is to hinder women's freedom of expression to a greater degree than it does men's. Section 15 promises equal benefit and protection of the law to both men and women, and section 28 guarantees the rights and freedoms in the Charter (such as freedom of expression) equally to both men and women. Thus, the law may be constitutionally required to give women an extra measure of protection (from risks of an ill-founded though potentially silencing defamation suit, for example) in order for women's freedom of expression to be "equal" to that of men, who are the source of their subordination in society.

In a society where women are powerless, where the force of the patriarchal legal machinery can be brought to bear upon a woman who attempts to resist subordination, it is no surprise that we hear the self-righteous (and somewhat "unfocussed") bleatings of Professor Fraser unchallenged and unrebuted by the female voices who would gladly challenge and rebut were it not for fear of further legal action.

As long as women fear to speak out, there is no real "freedom of expression" for them, and the sexual harassment and general subordination of women in society cannot be eradicated.

Susannah Worth Rowley
Dalhousie Law School
Class of 1985

ENOUGH IS ENOUGH

I have been closely involved in the drafting of our new sexual harassment procedures and in the complaint which has created some controversy on campus. I have been silent for a long time in the face of John Fraser's misleading and distressing allegations. I know that his numerous attacks (in the *C.A.U.T. Bulletin*, and the *Gazette* and now the *Dal News*) would simply waste my energy if I were drawn into a response. As well, his use of an action for defamation does have a chilling effect on freedom of expression on campus. I have felt intimidated because what I had to say might have unpleasant consequences for others.

However, I now feel compelled to reply. I would simply ask that whatever negative consequences there will be for speaking up be directed at me and not at someone more vulnerable.

No one is threatening "freedom of inquiry" at Dalhousie. If Dr. Fraser wishes to watch pornographic material he can, with due respect for the comfort of other persons in the university. If I were conducting an experiment which involved high temperatures I would do so in a way that recognised the comfort of others. Personally I cannot comprehend the arrogance and utter commitment to hierarchy which could lead to the conclusion that another person's feelings are totally irrelevant in the pursuit of knowledge. Surely Dr. Fraser can find a place (and the complaint suggested several) to watch pornography without distressing others.

The complaint in question did not involve Dr. Fraser directly, and his name was carefully excised from the documents. If rather involved an allegation that a supervisor was unresponsive to the concerns of a subordinate, thus requiring her to work in circumstances which for her were distressingly close to pornography. Other options were available — an arrangement that was distressing to the woman was insisted upon. I do not know if forcing someone to work close to pornography is sexually oriented but I strongly believe in the right of people at Dalhousie to come forward without fear and have that question decided by a representative body.

Dr. Fraser has written a highly misleading letter to the *C.A.U.T. Bulletin*, accusing Dr. Toni Laidlaw and myself of bias against men and professional incompetence. An example of the distortion involved is that he says the procedures do not entitle a male respondent to have a male faculty

member on the hearing panel. They do entitle the respondent to a male person nominated by the D.F.A. This of course is not mentioned nor is it explained why Dr. Fraser would object to a male librarian. Is this evidence of the same hierarchical attitude?

Dr. Fraser appeared on (CBC-TV's) *Inquiry* recently proclaiming the importance of freedom of speech. To him freedom is important where it involves his freedom to watch pornography, but he will take legal action to ensure women do not have freedom of speech to bring forward their perspective on their own work conditions. I invite Dr. Fraser, in his own words, to show some "concern with principles."

Thanks to Dr. Fraser, it may well be the case that women who are experiencing sexual harassment will be afraid to come forward for fear of a defamation action. This tactic is distressing and expensive even if the action is won by the person sued in the end, as the recent action against Donna Smith of Acadia University demonstrated.

I care about freedom of expression and I care about the freedom of women to come forward to describe their own experiences. Dr. Fraser would not be pursuing this issue *and* *nauseam* unless he did not care about either and unless he thought his feelings and work conditions were all important while mine, and those of complainant and others were irrelevant.

I am going to try not to be drawn into a debate in this issue, which is not about freedom of inquiry, and I am asking Dr. Fraser, who surely has had more than his say under cover of the fear, which he has created, of defamation actions, to drop it. Enough is enough.

Christine Boyle
Professor of Law

MEET THREE SUPER STUDENTS

(continued from page 1)

In English literature in 1976 he joined the Canadian Navy as a navigating officer aboard the HMCS Fraser. He served in the Navy for five years on assignments that included stints in the merchant marine in the Caribbean as master on three frigates.

Cardozo sees his time in the navy as a diversion to his main calling. "I came back to school because I always suspected I would have an academic career." Going to sea, he says, gave him the chance to see the world outside the campus.

In October, Jan Friedrich will meet the 43 North American Rhodes Scholar winners for 1985 in New York before flying off to Oxford University for at least two years of study in physical organic chemistry.

When Friedrich, 21, of Halifax who is graduating with his BSc (Honours) in chemistry, was selected as a

Rhodes Scholar, the Maritime selection committee called him "one of the most outstanding students ever to study chemistry at Dalhousie." He has already published some of his research.

Friedrich, friendly and easy going, is a keen sportsman who plays most sports. He was a member of the Dalhousie varsity soccer team and has played in metro league teams in both Halifax and Vancouver. As well as playing, he coaches a youth league and referees. For several years he has also been a scout leader in Halifax.

Friedrich says his father, Dr. Rainer Friedrich, who chairs the Classics department, encouraged him to apply. He hesitated because there's a lot of work involved in making an application and "I didn't think I'd have much of a chance."

Dal News

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Senate defends gallery against closure

The Dalhousie Art Gallery, under threat of closure for the second time in the last four years, was staunchly defended by Senate at its April meeting.

The University Budget Advisory Committee (UBAC) had fingered the gallery for closure as a cost-cutting measure in what will be a lean but balanced budget.

But a majority of Senate members voted in favor of a motion that the Arts and Science faculty council had passed unanimously a few days earlier: "Given the academic nature of the Dalhousie Art Gallery and the academic contribution made by the gallery to the university, and given at present the meagre resources allocated to the arts in general and the visual arts in particular in the university, the Council of the Faculty of Arts and Science protests the categorization of the gallery as a non-academic entity, and, deploring its proposed closure, request Senate to express its full support for the continued operation of the gallery."

But a majority of Senate members defeated a motion to fund the gallery from the university's \$600,000 redistribution fund.

During the long, emotional debate there were impassioned pleas to keep the well-regarded gallery opened and reasoned voices who said the university simply couldn't afford the \$100,000 annual operating costs.

Vice-president Alasdair Sinclair, speaking generally on budget constraints, said UBAC faced some very tough decisions. He mentioned the 3.5 per cent cuts for academic programs and the five per cent cuts for non-academic programs which, he said, were "very difficult to manage." The university, he said, had to look at areas that could be cut and "potential areas where savings could be made. The art gallery was one of a half-dozen areas where it would be possible without impinging on academic programs."

Later, he said that the term "non-academic," used to describe such facilities as the art gallery, was unfortunate since all non-academic programs supported academic ones. UBAC, he said, couldn't come up with a very long list of possible non-academic vice cuts.

Dr. Alan Andrews, secretary of the Faculty of Arts and Science, who moved the motion, wondered "what kind of university we want Dal to be," and said that for some students "the existence of the art gallery is crucial" to

their academic studies. The gallery, he said, supported a number of academic programs including courses in continuing education and it performed academic functions such as organizing film series, preparing catalogs and exhibitions.

"Dal attracts benefactors simply because of arts and culture. The gallery is connected with Dal's reputation."

The closure of the gallery, he said, would have a "demoralizing effect on many colleagues in this university. It's very important to us." Closure, he said, wouldn't cause people to leave Dal but "we'll do our work with a great deal less enthusiasm if the gallery is closed."

Gallery director Mern O'Brien, who presented a brief in support of the gallery, called it "one of the most effective public relations tools of the university." Last year, nearly 27,000 people visited the gallery and exhibitions like the blockbuster *Alex Colville: A Retrospective*, which received national media coverage, promoted the university in a positive way.

Peter Perina, who chairs the theatre department, called the entire debate "absurd." Pointing to the paintings of former Dalhousie presidents covering the walls of Senate, he said that art was of prime importance to the university's history and its sense of identity. "This is an absurd motion."

Earlier in the meeting, psychology professor Dr. Marcia Ozier read from a Vancouver paper a comment from British Columbia's education minister which referred to "those Mickey Mouse universities in the Maritimes."

During the gallery debate several Senate members mentioned the statement, saying that if Dal did close the gallery it just might be a "Mickey Mouse university."

Dr. Philip Welch, who chairs the Senate financial planning committee, asked Dr. Donald Betts, dean of Arts and Science whether his faculty, which supported the continuation of the gallery, would financially support it.

"We certainly don't have \$100,000 to maintain the art gallery," Betts said. But he added that the gallery served the whole community, not just Arts and Science.

Dr. John Godfrey, president of the University of King's College and a member of the art gallery committee, pointed to the financial benefits of the gallery, saying he mentioned these because they seemed to be the only arguments that carried any weight.

Dr. Bill Jones, chairman of Senate, disagreed. "We're not intending to make this a dollars and cents argument."

But Welch suggested that all faculties reduce their budget envelopes to support the gallery.

Ozier asked Senate members if they valued the gallery as an adjunct to academic programs to the extent they opposed its closing. "Our decision," she said, "has to do with academic value and value to the community." It was not Senate's job to find the money.

Alex Gigeroff, 1984-85 student union president disagreed. He said Senate members were failing to take responsibility.

Dr. David Cameron, a former vice-president, said Senate members didn't have all the facts to make a decision on the gallery. "What are the consequences of \$100,000 from the redistribution fund," he asked. What academic programs would have to be cut to support the gallery? "We need a considered statement from the budget advisory committee."

In other Senate issues, Dr. Karolyn Waterson, director of the Transition Year Program, asked for some assu-

rance that one of the items on UBAC's savings-priorities list, recoveries for ancillaries, which included the bookstore, would not result in increased costs for textbooks. Sinclair said the savings would result from "improved efficiency."

Ozier asked if the Development Office would receive a budget increase. Sinclair said less money would come from Dal's operating budget and more from the Campaign for Dalhousie.

In view of the deficit at the Dalhousie Arts Centre, economics professor Dr. Michael Bradford asked if anyone had considered offering it to the Neptune Theatre or the Maritime Conservatory of Music, both of whom want new homes. He also suggested selling the centre to the City of Halifax.

Sinclair said that UBAC had considered alternatives for the Cohn which "is clearly a cost. It would be helpful if someone would take it over but no one is clamoring." The Cohn has a deficit of about \$300,000.

To a similar question regarding Dalplex, Sinclair said that its financial picture had "dramatically improved."

by Roma Senn

Computer group wants more funding

The newly revived Dalhousie University Computer Users' Group (DUCUG) has moved quickly to throw its support behind other groups' appeal for a huge infusion of funds to upgrade computing services on campus.

Dr. Arthur E. Sedgwick, of the department of mathematics, statistics and computing science, and president of DUCUG, has sent a memo to President MacKay, Professor R.S. Rodger (chairman of the Senate advisory committee on computing), Vice-president Robbie Shaw, Dr. David Cameron, and members of the University Budget Advisory Committee, about DUCUG's concern about the budget and the proposed three-year plan for computer services.

Sedgwick said in his memo: "At the general meeting on April 10, a motion was passed unanimously by the gathering of about 60 DUCUG members. The preamble to the motion was approved today (April 12) by the new DUCUG executive. We urge that you take this into consideration in the current budget deliberations."

The DUCUG preamble and motion were as follows:

"Excellence in computing is increasingly important to modern universities. Adequate facilities and support personnel are essential if students are to receive a good quality education and if faculty and staff are to have the resources they require to conduct their duties in an effective and efficient manner.

"Dalhousie currently has computing services which, by Canadian standards, are extremely poor. This makes it extremely difficult for some academic disciplines to recruit and keep top quality faculty. Furthermore, some students have already left Dalhousie to pursue their education where there are better computing services than we have at Dalhousie. These problems will only get worse unless the university greatly increases the amount of money it spends on computing.

"The existing situation has been caused by gross underfunding of computer services on campus for many years. It cannot be corrected without substantial increases in the university's computing budget. Independent-third parties have estimated that Dalhousie needs to spend at least three times what it is currently spending to even get into the same league as other universities.

"University Computing and Information Services has put forward a three-year plan for getting computer services at Dalhousie up to the level of other Canadian institutions. We believe this plan is a very modest one. We view its adoption by the university as an absolute necessity. Without the kinds of expenditures it envisages, Dalhousie will continue to find it difficult to retain faculty and to attract both faculty and students to the university in many academic areas.

"We recognize the financial difficulties currently facing Dalhousie. Nonetheless, the long run viability of the institution depends upon greatly increased expenditures for computing services. Without these, the university will be unable to fulfill its research and teaching mandates. Expenditures on computing are essential to maintaining academic excellence at Dalhousie."

The motion:

"Whereas adequate computing facilities and support services are essential to the viability of Dalhousie as an academic institution.

"Whereas Dalhousie has historically grossly underfunded campus computing facilities,

"The Dalhousie University Computer Users' Group strongly urges the Board of Governors, the Administration, the Senate and its committees to find the monies necessary to support the three-year plan for computing prepared by University Computing and Information Services."

Dal sets the stage at Banff

Dalhousie will set the stage this summer at the Banff School for Fine Arts summer school.

For acting students, a technical scenography student, and three costume students, all from Dal, won scholarships to the prestigious theatre school.

The acting students, Keltie MacMillan, Doug Carrigan, Katherine Roe and Paul Smith, will spend about two months honing their musical theatre prowess while technical scenographer Charles Procure and costume designers Angela Dale, Sharon Nickerson and Martha Snetsinger get valuable training in their fields.

Snetsinger, a third-year costume student, has the added honor of study-

ing in a master class on design given by well-known designer, Desmond Heeley, who designs for the Metropolitan Opera, the Stratford Festival and other major North American theatres.

Peter Perina, who chairs Dal's theatre department, says the Banff School of Fine Arts offers one of the most prominent summer schools and brings in the "best people in their field."

Dal acting students auditioned for the Banff scholarships in February. Of the approximately 40 students picked from across Canada, four Dal students made the cut.

The technical and costume students auditioned by sending in applications, resumes and letters of recommendation.

AMC wins \$515,000 contract

Dalhousie University's Advanced Management Centre has again become an exporter of educational services beyond the Atlantic region.

The university's aggressive 16-year-old centre recently won a \$515,000 contract from an international benefits organization — the International Foundation of Employee Benefits Plans of Milwaukee, Wisc. — to develop a Canadian version of its self-study program, the Certified Employee Benefits Specialist program (CEBS).

This contract comes after successful selling of the AMC's productivity improvement program for public transportation companies which is being used by the Canadian Urban Transit Association, CUTA is looking at marketing the program in the United States. The first U.S. customer, the Houston Transit Authority in Texas, has successfully used the AMC's program and its people.

The AMC won the \$515,000 employee benefits contract after eight months of negotiation. It competed for the contract with the University of Toronto and the University of British Columbia. It will develop and co-ordinate the new Canadian initiative in consultation with the Wharton School of Business in Pennsylvania which is responsible for the continued development of the American program.

Greg Trask, a Dal grad (MBA '75) who has been with the AMC for 10 years, will direct the program. He says the IFEB and the Wharton school chose Dal because "they were looking for an organization and a person who would place a high priority on the project" — a group which would "bend over backwards" to get it going.

When fully developed over the next three years, the program will include 10 self-study courses leading to the designation of Certified Employee Benefit Specialist. Two courses will be ready by February 1986. "By the end of the third year we should attract 500 people yearly to the program," Trask says.

The \$515,000 price tag covers staff and material costs needed to develop the program. Once the three-year development period is over, the AMC will regularly update the program. Dalhousie will grant the professional designation (CEBS) in conjunction with the IFEB. Says Trask: "The project is ultimately worth millions of dollars to the region."

The AMC will have the help of two groups of advisers, one from Dalhousie and a second group from the field of employee benefits. They will ensure program standards meet the professional needs of the employee benefits field.

The Dal group includes Glen George, director of insurance and employee benefits, Cecil Dipchand and Gordon Roberts, both professors of finance with Dal's business school, and economics professor Paul Huber, who is also a member of Dal's Pension Fund Advisory Committee and chairman of the Retirees' Trust Investment Committee.

The external group of advisers consists of John Andrew of Great-West Life Insurance, Francis de Regnacourt of the Prudential Assurance Company, Raymond Koske of Koske and Minsky, Donald Smith of the Canadian Institute of Employee Benefit Specialists, William Rivers of Martin E. Segal Co., Barrie Sprawson of Paal, Marwick & Partners, John Wallace of the business division of

Humber College of Applied Arts and Technology, and Edward Zacharko of Funds Administrative Service.

The Advanced Management Centre, a leader in the training and continuing education of management level employees in Canada, is part of the university's Continuing Education division. It has earned a reputation for innovation in the design of seminars and workshops.

It is a self-financing operation with earned revenue that has soared to \$750,000 from \$60,000 in 10 years, says Trask. Projected earnings from its educational services in the management area will amount to \$1,125,000 next year.

The new CEBS program fits well into the AMC's game plan of continuing education. People who take the course will be provided with the latest information on employee benefits programs. It will also provide successful CEBS students with a professional designation which in turn should assist the public in evaluating the academic qualifications and competence of persons responsible for employee benefit plans.

The AMC will select all of the people necessary to ensure the academic quality of the Canadian CEBS program. It will prepare the 10 separate self-study courses, develop the exams, grade and award the CEBS designation jointly with IFEB.

IFEB will collect all related program fees, maintain student records, print and send study materials, co-ordinate exams, and market the program.

The course's development schedule calls for three courses (Management Principles, Accounting and Information Systems, Investment Analysis and Portfolio Management) to be developed in

the first year. Five courses (Life, Health, and Other Group Benefit Programs; Pension Plans and other Retirement Arrangements; Contemporary Legal Environment of Employee Benefits; Government Sponsored Benefit Programs; and Personnel and Labour Relations) will be developed in the second year and the two remaining courses (Contemporary Benefit Issues and Administration and Employee Benefits and the Economy) will come in the third year.

The sponsor of the new Canadian course, the International Foundation of Employee Benefits Plan, is a non-profit organization that began in 1954 as the National Conference of Health and Welfare Plans, Trustees and Administrators. Its sole purpose is the education of, and exchange of information between, people responsible for the operation of employee benefit plans.

In 1964 it was renamed the National Foundation of Health, Welfare and Pension Plans becoming IFEB in 1973.

The first Canadian regional seminars were held in 1974 and in 1975 Canadian representation on IFEB committees expanded. The CEBS college level of study was introduced in the U.S. in 1976. Canadian membership reached 1,056 in 1977.

Individual Canadian membership now totals 1,581, representing 330 employee benefit trust funds, corporations and professional firms. A dramatic increase in Canadian membership is expected due to the development of the Canadian CEBS program. Overall IFEB individual membership is 24,400, representing 4,700 funds, corporations and professional firms.

— Stuart Watson

New co-ordinator for co-op science education

Dal has a new co-ordinator to place co-operative education science students in suitable jobs.

She is Lynn Atwell, sciences placement co-ordinator, and she tracks down positions for students in the co-operative education honors programs in math, computing science, statistics and combined honors programs involving those subjects.

"She finds out what kinds of positions the students want, writes the job descriptions and sends off applications to the employers. She's in close touch with employers and handles all the administration. Things are working quite well," she says.

Co-operative education, which began at Dal six years ago, aims to give students the chance to integrate academic studies with relevant work experience.

"We want to give students an educational experience," says Dr. Julian Gribble, departmental director of co-operative education. He's responsible for the academic aspects of the program. Research has shown that participation in co-op education often gives the co-op student the edge over a non-co-op student, with similar academic background and work experience, says an information leaflet produced by the department of mathematics, statistics and computing science.

Students normally enrol in co-op education programs at the start of their second year. The program consists of eight academic terms and four four-

month work terms. Work terms are monitored and evaluated and participating employers are expected to pay co-op students salaries that reflect their academic qualifications and previous work experience.

Gribble, of the math department, has handled the program for four years and he is now on a special leave "to put co-op in order." The program has made great headway: "Enrolment is going up," he says. About half of the students in the department are co-op students, and two recently received prestigious graduate awards. "We have a number of extremely good students in co-op. We're getting our share of the cream of the crop."

Co-operative education at Dal is a new co-operative venture with Mount Saint Vincent University. The Mount places 150 students a year as compared with 50 at Dal. Working together made good sense: A successful co-op program hinges on sufficient numbers of students for the employer. "It's silly to compete," Gribble says.

Atwell divides her time between the Mount and Dalhousie but students can always get the latest job information via the computer — a VAX 11-750. Gribble developed the electronic bulletin board over the last year and hopes it will be further improved in the next few years.

"We're doing some rather exciting things," says Ivan Blake, director of co-operative education at the Mount. The Mount, which has become "kind of a

resource centre," keeps a catalog of 1000 employers.

Anyone who'd like information on co-op education at Dal can contact Gribble

or Atwell at the co-op education office in the math, statistics and computer science department at 424-2257 or 424-3747.



Honors science student Tim Brett, from left, works out the details of his co-op education job placement with Dr. Julian Gribble, who directs co-op education, while Jermille Muise, another honors science student and Lynn Atwell, science placement co-ordinator, look on. (Carlos photo)

Two leading researchers elected to Royal Society

Two of Dalhousie's leading research scientists — one an expert on the properties of the moving plates that form the earth's crust, the other an expert in developmental biology — have been elected Fellows of the Royal Society of Canada.

They are Dr. Christopher Beaumont, a professor of oceanography, and Dr. Brian K. Hall, a professor of biology.

Both will be inducted at the annual

meeting of the society, to be held at the University of Montreal on June 2.

Hall has been chairman of the department of biology since 1978. Born in Australia, he was educated at the University of New England, earning his BSc, PhD and DSc. He joined Dalhousie in 1968. In 1974 he won the Atlantic Provinces Committee on the Sciences gold medal as Young Scientist of the Year.

Hall has been a visiting professor at

the universities of Guelph, Toronto, Southampton and Queensland and in 1982 was a Nuffield Foundation Commonwealth travelling fellow.

Beaumont, who is on sabbatical leave in New Zealand, was born in England and obtained his BSc at the University of Sussex and his PhD at Dalhousie. After a year at Scripps Institution of Oceanography, he joined the earth physics branch of the federal Department of Energy, Mines and Resources.

He joined Dalhousie in 1976.

Beaumont was awarded an E.W.R. Steacie Memorial Fellowship for 1981-82 by the Natural Sciences and Engineering Research Council.

Election to the Royal Society of Canada is highly competitive. Nominations must be made by a fellow of the society, and nominees are elected for having achieved distinction in research.

BEAUMONT EXPLAINS RESEARCH



In the broadest sense, the intent of my research is to explain geological and geophysical observations using physical and mathematical models of the processes involved.

The acceptance of plate tectonics (that the upper 100-400 km.) of the earth comprises about 20 rigid lithospheric plates that move at rates from 1-10 cm. per year, provides an explanation for the distribution of the major features of the earth's surface — oceans, continents, mountain belts, oceanic ridges and trenches.

It does not, however, explain the details of how these features evolve and the cause and effect relationships responsible for their evolution. This new field is sometimes called geodynamics.

An example: Sedimentary basins of several kinds populate the earth's surface. They range from 100 km to 1000 km in length scale and in depth from 1 to 2 km to that approaching the thickness of the earth's crust, about 20 km. These basins are the source of oil and gas — products of the thermal breakdown of organic matter as it is buried and heated in the basins. The character of many basins is well known from the huge exploration effort of the oil companies, yet until the last eight or ten years, there was no real understanding of how these basins formed and why they differed in type.

Research at several universities, notably Cambridge, Cornell, Columbia and Dalhousie-Bedford Institute, often in co-operation with the petroleum industry, has led to physically based models which, when coded as numerical models on a computer, simulate the development of the basins.

We now believe that Atlantic-type margin basins (like those offshore Nova Scotia and along the east coast of North America) are the result of stretching and necking of the earth's crust and lithosphere during the early process of

separation of North America from Africa some 180 million years ago. The physics of the process allows predictions of the subsidence history of the basins, the temperature history of the sediments, and insight into the question of whether oil and gas were formed.

One of our next projects, again in co-operation with the Bedford Institute, is to study the physics of this stretching and necking of the lithosphere and seek an explanation for the variability of style in terms of the rheology and stresses involved.

Efforts to test the accuracy of model predictions of temperature history of the sediments led to co-operative work on organic chemistry with researchers at British Petroleum and Cambridge University in England. A graduate student is also applying these models to the Labrador continental margin under a research agreement with Petro-Canada.

Another type of basin, the foreland basin, is the result of bending the lithosphere by the weight of the mountain belts that always occur next to them. Here the lithosphere is bent like a diving board by the mountains, which act like a diver standing on the end of the board.

A cause and effect relationship has been established between the basin and the mountain belt which, from a study of the thickness, age and distribution of the sediments in the foreland basin, allows us to determine how and when the mountain belt formed.

Co-operative work with Memorial University has produced a computer model which explains the Paleozoic stratigraphy (geological layering of the sediments) of the whole of the eastern interior of the United States in terms of pulses of mountain-building of the Appalachians.

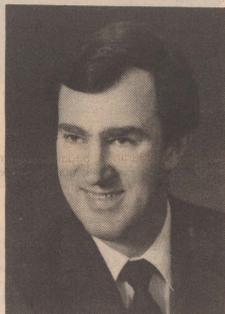
Such models provide links between diverse fields of biology — stratigraphy, geochemistry, petrology, petroleum geology. They allow geologists to put the results of their work within the context of a process — the collision and over-riding of the old continental margin of eastern North America by other lithospheric plates.

This relationship between mountain belts, like the Appalachians, Himalayas, Rockies, Alps and Southern Alps, to foreland basins has stimulated our new research on the large-scale evolution of mountain belts. To what extent can plasticity theory and the flow of heat from the earth's interior account for mountain building during compression of lithospheric plate boundaries? Can mathematical and numerical models based on physical principles explain what the geologists see when they crawl over the mountains?

The basins example serves to illustrate one particular aspect of my research. The work is basic — it seeks a physical explanation of geological processes. But it also has applied aspects by seeking, for example, to explain why, when and how oil and gas may be formed. We don't claim to be able to tell an oil company where to drill.

but we can help to explain the results of drilling and provide a context for a particular exploration strategy. As one senior company geologist remarked, "It keeps us honest with respect to our own understanding of basins." On another note the results may enable geology professors to say something better to their classes than, "The mountains rose and the basins subsided."

HALL STUDIES SKELETONS



Hall's research has centered on fundamental problems in the origin and development of the vertebrate skeleton. He has been generating and testing new concepts which will lead to an understanding of the origin and development of various cell types that make up the skeleton, such as bone and cartilage.

His earlier research dealt with processes by which skeletal cells are evolved and the manner in which the stability of their differentiated state may be altered: how mechanical factors, hormones and drugs control or disrupt the normal development and function of the skeleton; how parts of the skeleton repair wounds and fractures; how

paralysis, immobilization or weightlessness alter skeleton function; and how defects such as dwarfism can be explained and alleviated.

His interests extend into related aspects of tissue development and he has also studied the growth and function of the embryonic adrenal gland.

Hall's work has important implications for the medical and dental treatment of abnormalities in bones and teeth. Since 1982 he has been a member of the Faculty of Dentistry's oral and maxillofacial surgery research committee. He has also been appointed to a U.S. NASA panel to determine what experiments in developmental biology should be performed on future shuttle flights. He has given invited lectures on over 40 occasions to a variety of scientific audiences in schools of biology, dentistry, anatomy, physiology, biochemistry, and he has had more than 100 articles published in scientific journals.

He has one of the largest peer adjudicated operating grants awarded by NSERC, over \$64,000 for 1984-85.

In June he steps down as chairman of Biology to devote more time to research. He will continue his basic research on mechanisms of differentiation of cartilage and bone in vertebrate embryos — chicks, mice, fish and lamprays. He also plans to write a book on Development and Evolution. He is also co-authoring a textbook on Differentiation with Dr. N. MacLean.

Author/journalist Sandra Gwyn(BA'55) will address the alumni association on May 11.

Gwyn, who was orn in St.John's, Nfld., majored in English at Dal, worked on the *Gazette* and on *Pharos* was an active member of the Glee and Dramatic Society.

Last fall, Gwyn published to rave reviews her first book, *The Private Capital Ambition and Love in the Age of Macdonald and Laurier*, a panorama of Canada's governing society in Ottawa from Confederation to the eve of the First World War.



Everything you wanted to know about animal smells

After six years of work, Dr. Richard Brown, a psychology professor, finally has in hand his two-volume *Social Odours in Mammals*, an encyclopaedic 852-page study which reviews mammalian orders from primitive to human life.

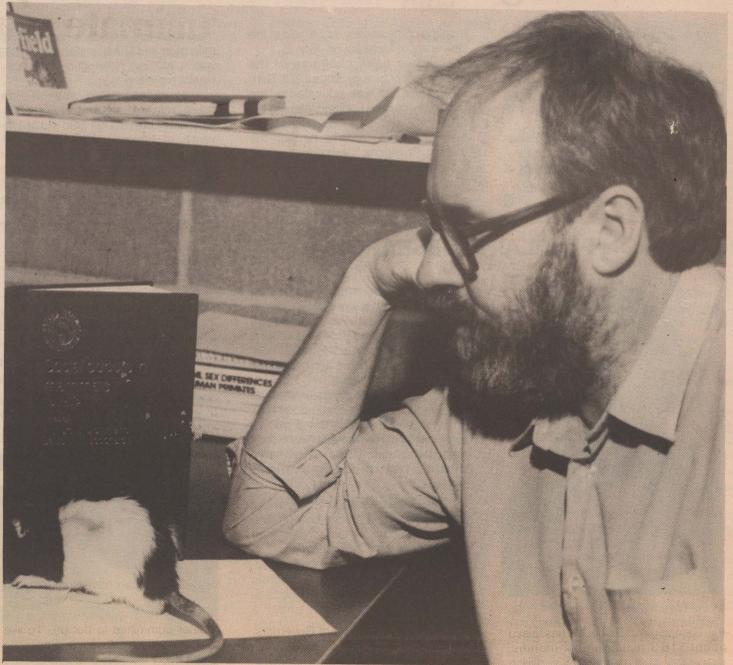
The work, co-edited by Brown and David Macdonald, of Oxford University, and published by Oxford University Press, includes contributions from as far away as Australia and subjects that range from "The bats: order Chiroptera," by Uwe Schmidt, of Universitat Bonn to "Armadillos, sloths, ant eaters and pangolins: orders Edentata and Pholidota," by Brown.

"This is a look at sense of smell and how it's used in the social behaviour in mammals," Brown says about the publication. The book investigates what information particular odours communicate, how mammals spread odours, how smells can influence the brain. It probes the functions of secretions and the role they play in animal life.

"The book is meant to be an encyclopaedia," Brown says. "The only other book on the subject was published in the 1940s."

Brown, who says the books had already been well used by researchers before publication, is pleased with the effort. It's been a long time in the works. He spent a year organizing it, two years writing and one year of editing. Both Dal and Oxford helped with the proofreading and staff at Dal helped index it.

Brown has had a long interest in the subject of olfaction. He completed his PhD thesis at Dal 10 years ago on olfaction and the social behavior of rats. Later, as a post-doctoral research fellow at Oxford University he came up with the idea of a comprehensive book on social smells.



Dr. Richard Brown and his furry friend admire Brown's new two-volume work on *Social Odours in Mammals*. (Larios photo)

Cohn carpet series raises \$36,000

After the final curtain call to close the "Let's Carpet the Cohn" concert series, organizers tallied the books: The three-night extravaganza raised \$36,000 towards a desperately needed new carpet for the Cohn.

Some of Canada's finest performers came to perform, free of charge and the public flocked to see.

Saturday was by far the most popular night. Singer Denis Ryan hosted a Ceilidh featuring John Allan Cameron, Rita MacNeil, The Fabulous Doorknobs and the Cape Breton Fiddlers, and by the end of the evening the 900-strong audience were stomping their feet.

The audience loved Rita MacNeil, a Cape Bretoner with a strong clear voice. They wouldn't let her off the stage without an encore.

The Fabulous Doorknobs (of the Rise and Follies of Cape Breton fame) added a few satirical songs about the offshore and gave their apparently infamous characters "Cecil," with his son and daughter Cecil and Cecilia, a workout as well.

Cape Bretoner John Allan Cameron, a polished performer who graduated from St. Francis Xavier University and knows "24 fiddle songs," finally got the audience to join in with him on a song, after he found one they knew. General John Cabot Trail and the Ceilidh Band got the most laughs.

The General, leader of the Cape Breton Liberation Army, had the

audience in the palm of his hands with references to Iona "Campertrailer" and the fuss Hailgonians make over buying a "hunk of carpet."

The Ceilidh Band, a throw-together group marked a return to on-stage performing by concert host Denis Ryan (late of Ryan's Fancy), John Morris Rankin, Dave MacIsaac (who seems to play every stringed instrument made) and Tony Quinn. Quinn, in particular, caught the audience's attention with imitations of Bob Dylan, John Allan Cameron and Gordon Lightfoot (without the mumbling).

Ryan's singing and tin flute playing and the improvisational mood of the band carried the evening. "Maybe we'll get a few gigs out of this," Ryan quipped.

Friday night's contemporary evening featured Odetta, Murray MacLaughlan, Valdy, Nancy White, The Windmachine and Dan Hill.

Internationally renowned conductor Boris Brott and Symphony Nova Scotia opened Thursday evening's classical program with a series of light-hearted compositions by Jacques Ibert.

Flautist Marlis Collow, a Dal music grad and Doug Johnson, a classical guitar whiz who's studying music at Dal, performed a series of pleasing pieces.

Katia Breton and Jacques Drapeau of Les Grands Ballets Canadiens performed a moving piece called *Alliances*. Breton, a strong, dramatic dancer made the piece work.

The highlight of the Dalhousie Chamber Choir repertoire involved two Newfoundland folksongs which the audience really enjoyed. The choir is made up of music students, graduates, staff and members of the Dal community.

Nadia Potts and Gregory Osborne, principals with the National Ballet of

Canada performed *Les Sylphides* Pas De Deux beautifully.

In fact the entire evening, which also included performances by the incomparable John Allan Cameron, who replaced a flu-bugged Andre Gagnon, and the charming pianist Elyakim Tausig went off without a hitch.

Ride for research

An avid cyclist has organized an event to help raise money for the Dalhousie Medical Research Foundation.

Cathy Kerr, a former *Dal News* assistant editor, and a passionate pedaler, is putting together the province's first Ride for Research.

The Ride for Research takes place on Victoria Day, May 20, in Halifax and Kerr wants anyone with a set of wheels (bikes, trikes, tandems, wheelchair, rickshaws, scooters, skate boards or unicycles) to "get out and go."

Kerr is co-ordinating the event on behalf of the Medical Research Foundation and Bicycle Nova Scotia (which promotes cycling) to raise money for medical research and to bring awareness to the benefits of cycling.

"There's a lot of cycling you can do to get where you're going in a convenient, healthy way. Instead of getting in a car on a sunny day, get on your bike. In a city, you'll get there just as fast, if not faster, than by car.

Kerr originally planned the Ride for Research as a province-wide event, but knee surgery and logistics proved too much. Next year, she says, the Ride will expand to other Nova Scotia cities and towns.

Riders will pay \$5 to register or obtain pledges. (Pledge sheets can be picked up at any bicycle shop in the metro area.) Money raised by the Ride will be divided between the Medical Research Foundation and Bicycle Nova Scotia.

There are three routes — easy (5 km), moderate (10 km) and strenuous (25 km) — all starting and ending at the Tower Road parking lot in Point Pleasant Park.

Ride for Research is sponsored by Edmonds Brothers Landscape Services (1979) Limited and Dalhousie's Medical Alumni Association. Aerobics First will present a bicycle as the grand prize.



The Dal community raised \$6,000 for African famine relief supporting the Red Cross and Oxfam. Shown, from left, Julie Benson, of the Red Cross; Reza Rizvi, of the Dal Student Union; Karanja Njoroge, international student co-ordinator and Carolyn van Gorp, of Oxfam Canada. (Carlos photo)

STUDENTS RAISE NEARLY \$6,000 FOR AFRICAN RELIEF

An appeal for money for African famine relief launched just before Christmas by students at Dalhousie raised \$5,598.15.

The success of the appeal, to the whole university community, means that the Red Cross will receive \$1,627.70 and Oxfam Canada \$3,977.38.

A group of students volunteered to work at the Red Cross office in Halifax.

CAMPAIGN UPDATE

The Campaign for Dalhousie has raised about \$16.3 million in six months, almost half of its five-year, \$35 million goal.

Most of the money raised comes from within the province, including \$10 million pledged by the Nova Scotia government. Nova Scotia corporations have pledged \$12 million so far and more than \$460,000 came from individual members of Dal's Board of Governors. Dal students have pledged \$750,000 and other pledges have come in the form of advance gifts from national corporations, foundations, alumni and friends.

The university will launch its appeal to alumni in Nova Scotia on May 22. Thirty per cent of Dalhousie's known alumni live in the Halifax area and 46 per cent in Nova Scotia.

The alumni campaign in Nova Scotia, chaired by Dr. A. Gordon Archibald,

Others manned information booths in the Student Union Building lobby and distributed coin boxes throughout the campus.

The students in the two main residences, Howe and Shirreff halls, skipped a meal in support of the relief effort — and by doing so raised \$1,000. A showing of the film Gandhi, at the Cohn auditorium, raised nearly \$800.

chairman of Dal's Board of Governors, will place emphasis on personal solicitation. John Mabley, director of development, says this type of fund raising is the key to the campaign's early success. Therefore, 200 volunteers will contact Dal alumni and it is expected that 800 of them will support the campaign.

Campaign solicitation will then move to the rest of the Atlantic region and out to the West, with H. Purdy Crawford, Q.C., of Toronto, chairing the national alumni campaign.

This fall, national corporations will be approached for donations. At the same time, preparations will begin for the appeal to the campus community, which should get under way in 1986.

In charge of the solicitation of Nova Scotia corporations is John W. Lindsay and in charge of board of governors' solicitations, George C. Piercey.

New DSU prez is 'ultimate pragmatist'

In the past academic year, Catherine Blewett attended Dalhousie full time, served on the Student Union of Nova Scotia, the Dal Student council and on a slew of committees, and handled a 30-hour part-time job downtown. Now she's president of Dal Student Union. She plans to keep up her frantic pace and obviously take on a clutch of new responsibilities but says, "I'll cut the job out."

Blewett, a third-year political science student from Yellowknife, N.W.T., calls herself "the ultimate pragmatist." She knows that students will face some hard issues during her presidency which began officially on May 1. She is "very concerned" about the Nova Scotia Royal Commission on Post-Secondary Education which is expected to release its report this summer. There are reports that the commission's recommendations will mirror those made by Ontario's Bovey Commission, which has called for higher tuition fees and reduced accessibility.

Since it's unlikely that any of the recommendations will be implemented during the next academic year, Blewett says students will have the chance to suggest revisions and "bring pressure to bear. We have lots of strategies."

She'd like to devise a mechanism so that Dal students who recently contributed about \$750,000 to the Campaign for Dalhousie can have some say on how the university will spend the money. What she doesn't want is yet another committee to decide. "I'd like something more innovative." She plans to visit every Dalhousie society and get ideas from members.

Another major concern involves Dal's upcoming budget — one Blewett expects will be lean. The budget, she says, may result in larger classes for

RUHNKE RESIGNS

Kent Ruhnke resigned as head coach of the Dalhousie Tigers hockey team effective April 30.

Ruhnke, who became head coach in August, will coach a team in Friburg, Switzerland, in the Switzerland A Division.

During his year with the Tigers, he coached the team to a 13-win, 9-loss, 2-tie record. The team made it to the

students and the elimination of some varsity sports. In the future, she'd like to see more long-term budget planning "and some kind of long-term vision . . . around budget time everyone scrambles."

And, in September, many students are still scrambling for accommodations in metro's tight housing market.

Blewett and Reza Rizvi, the vice-president, want some changes in the housing office to make it more efficient and to enable it to better share in listings with other metro universities.

With all the tough issues ahead, why would anyone want to take on the job? "This is the time we need people," she says simply. Before the election, several people asked Blewett, the first woman at Dal to take on the job, but she said it was Rizvi who convinced her. He agreed to be her running mate.

He's a commerce student from Halifax who will graduate this fall and as Blewett puts it, "he's been around (in student affairs) for ever." During the past academic year he served as community affairs co-ordinator.

Blewett hasn't been involved as long. She came to Dal a couple of years ago after half a year at Saint Mary's University. As a day student at Dal from out of town, she didn't know a soul and during her first semester, hardly met anyone. But in political science class, she was vocal and critical and some classmates suggested she run for Senate. She did but lost.

Her early experience at Dal has made her sensitive to the needs of day students and she would like to start a day-student society. Most of Dal's nearly 10,000 students live off campus and many don't feel a strong link with the university. Blewett wants to strengthen it. "I'd like to get students really involved." —Roma Senn

play-offs but lost to eventual league champion University of Prince Edward Island.

Ruhnke said, in a *Chronicle-Herald* report, that he had been happy at Dal, "but the opportunity to return to Switzerland was too good to pass up."

Assistant coach Darrell Young takes on recruiting duties on an interim basis while the search for a new head coach continues.

FEDS PLANT SEED GRANTS AT DAL

The federal government has provided Dalhousie with grants to employee 34 students this summer under its Summer Employment Experience Development program, or SEED.

The SEED jobs will run 11- to 18 weeks and employ students in a variety of jobs in the computer centre, planning and space management, the physical plant, chemistry, psychology history

and other departments.

SEED provides four dollars per hour for each student, which may or may not be supplemented by individual departments. SEED also supplies up to \$20 for incidental supplies for the students.

The jobs are open to all university students and are posted in the Canada Employment Centre in the Student Union Building.

NURSING FUND PROVIDES FLEXIBLE FUNDS

The School of Nursing Fund has provided diagnostic equipment and funds for a faculty workshop on health-related computer applications.

School director Dr. Phyllis Stern set up the fund in late 1983 and a number of faculty members have contributed to it.

"It's the only flexible money in the school that's not hard budget money," she says.

Future plans for the fund include more workshops. Stern says they couldn't be held without the fund. "It's a way of gaining control over a diminishing budget."

ELISABETH MEYERHOF SCHOLARSHIP

A \$20,000 donation has been made to the music department in honor of the late Elisabeth Meyerhof, a well-known performer and lover of music, particularly baroque and renaissance music.

She participated in many music department ensembles and activities and enjoyed meeting and encouraging music students. She was always supportive of Dalhousie music events.

The fund will support a fourth-year, on-going performance scholarship in her name.



DAL PREPARES AND PARES A NEW BUDGET

(continued from page 1)

2. It is important to distinguish between essential-and non-essential.

3. Security is important. Many students feel it is barely sufficient now and any cuts could jeopardize the safety of students.

4. We recognize the value of the Art Gallery but we don't agree it is essential to academic programs. Senate's decision was emotional.

5. We feel that sports are not essential to academic life, but we are disturbed that a sports review committee recommended some time ago has not met once. We feel the president didn't want the review. But loss of sports would be a bad decision. It would affect alumni relations and those with AUAA and CIAU.

6. On the academic side, UBAC should recognize that tough decisions must be made.

MacKay: I didn't appoint an athletics review committee because I thought it would be untimely.

P.J. Temple, Athletics and Recreation Services: I agree with the Student Union about the review committee. It should be appointed quickly and with national input. I think the impact of cutting sports on women's athletics would be significant. We need an overall plan of action.

Shaw: No decisions have been made about cutting specific sports.

Paul Lethbridge, CBC Sports: Being with CBC I can relate closely to these proposed cutbacks. I am appalled that you would be taking money away from your varsity programs. \$75,000 is a drop in the bucket. The programs are among your most valuable assets. They bring credit to the university. All the money in the world cannot buy the kind of publicity you get from sports. Coaches, too, take part in community activities. If Dal pulls out of AUAA, where would that leave other universities? Don't touch the sports.

Peter McDonough, Halifax lawyer, alumnus and president of Dal's Black and Gold Club: said the club had been formed three years ago by interested alumni to promote sports. All varsity sports received more media attention than anything else Dalhousie did. Cutting them could have an adverse effect on enrollment. It would also have a severe negative effect on many alumni and revenue may be affected. At an interruption, McDonough commented: Maybe I said something offensive? Perhaps I did, but I meant it.

Delphine du Toit, executive director of DSA: We are not afraid about layoffs. We would like some sense of how departments would proceed if layoffs were being considered.

Shaw: Yes, the last round of layoffs three years ago was badly organized. We will have more consultation if it is necessary. But there are going to be fewer people working here next year.

Dr. Donald Betts, Dean of Arts and Science: I have been re-working my budget over the last three months and am extremely concerned. I would like to remind everyone of the purposes of a university. They are the discovery and preservation of knowledge, critical analysis and the transmission of knowledge. It is nice to have sports and an art gallery and green lawns but none of them are what a university is primarily about.

In my budget, all the fat has gone and I am now cutting into the muscle.

Heather Sutherland, director of alumni affairs and a delegate to AUAA: I can report that at a recent meeting the

AUAA said it was very concerned about Dalhousie. The AUAA has also passed a motion asking for 16 months notice if a team wishes to withdraw from the conference.

Dalhousie Alumni Association is also very interested in the quality of student life. Education is not just a classroom.

A member of the law school: The cuts we are talking about have not really been made in the cause of efficiency, but rather desperation. Are there any plans to cut the largest section of the budget — academic salaries. Are older professors worth the money?

Betts: Most senior professors are worth their salaries. A few may not be, but there are surely young professors who are not producers.

Dr. Marcia Ozier, of Psychology: It would be presumptuous of someone just receiving these figures (on the hand-out) to find some money to save, but that's not going to stop me. Travel — \$1,300,000. How much of that is not for purely academic purposes? I suspect it is close to \$900,000.

Shaw: No. Ozier: Why not impose a one-year moratorium on all travel that is not directly related to academic purposes. If we add up PR, Alumni and Development, Dal spends about \$1 million a year. What do these departments raise? Why a glossy brochure? Why not a one-page brochure, once a year?

'The fat is gone. I'm now cutting into the muscle.'

Shaw: Alumni Magazine is published only three times a year and it costs only about \$15,000 and \$18,000 per issue.

Dr. Robert S. Rodger, the DFA's observer at UBAC meetings, said that for 1985-86, transfers from Ottawa to the provinces had increased by 7.3 per cent. But the increase to Dal was only 4.5. Where was the other 2.8 per cent? It really is a question of the provincial government's priorities, and that is a political matter.

An unidentified speaker, Jan Friedrich, Dal's latest Rhodes scholar, also played on the varsity soccer team. Why not seek private/commercial sponsorship of sports?

Betts: Perhaps that could extend to all of us.

Max Keeping, director of security: I am led to believe that we in security are facing a cut of three men and one vehicle. That is the equivalent of the elimination of one full patrol shift.

Shaw: That has been considered and there is concern.

Tom Innes, a Bedford businessman: Many children in the Bedford area appreciated Dal because of its super skills and sports camps. Cutting back the sports budget would be wrong.

Helen Gorman, of the Public Relations office: If we cancelled all scholarships, would we save a lot of money?

MacKay: Much of what is spent on scholarships is from endowed funds. If we didn't award scholarships, and saved the money, we wouldn't be able to spend it elsewhere because the endowments specify it must be spent on scholarships.

Dr. Larry Maloney, director, of the School of Recreation, Physical and Health Education: How long will we be facing this kind of situation? What's the

prognosis? It is a fact of life that something significant has to go.

MacKay: It's hard to predict. All governments are under severe pressure. There is a proposal, in a report undertaken by the Secretary of State's office that would set a formula to be used by Ottawa in transfer funding. There would be some alleviation of the pressure, but the provinces must agree with Ottawa on such a formula.

But I don't think if (the financial situation) is going to be any better next year. Shaw: The next two years are going to be very difficult. The government's position isn't going to improve. But after two years we will get better.

Rodger: We then have to ask how well the system has been ticking. And whether academic planning will work. I don't know.

Wayne MacDonald, athletics director: Will we be in this same room next year?

Rusty James, 1984-85 vice-president, Student Union: There are no real solutions. It looks like a mathematical application to a philosophical problem.

There may well be more people in the room next year. It is said that we have to look at cutting soccer, or is it Religion vs. Accounting? Thirty per cent of first-year students don't return after their first year. If cutbacks are made, the attrition rate may increase, so enrolment will go down.

During question period at the second open meeting, Rusty James said the student council found itself in a difficult situation by having to defend varsity sports and, by implication, showing preference to it rather than academic programs. But he emphasized the importance of varsity sports in enhancing student life and serving as a public relations vehicle. Parents would rather see their kids playing varsity sports than smoking dope. Students also liked varsity sports. They would not get as enthusiastic for Sociology 100 as for varsity sports. People had said he had sent a message to the community (about our finances). I agree. Take a look at selling the president's house. The university would probably get between \$500,000 and \$800,000 for the house which would save varsity sports for a couple of years.

No one responded to James's suggestion.

Shaw said that Dal spent a higher percentage of its budgets on salaries than many other universities but it still paid professors at the low end of the pay scale in comparison with the universities that Dal likes to compare itself — McMaster, UNB, Queen's, Western.

He didn't hold out much hope for budget improvements over the next two years. I don't see that we can lower the rate of increases in our salaries.

Dalhousie was negatively affected by the MPHEC funding formula-in that it was based on enrolment — and about 50 per cent of Dal's enrolment was frozen. Many other Maritime universities benefited from the formula but Dal was in much the same position as other major Canadian universities.

Brian Christie mentioned that his department, which had been inadvertently listed with the president's office, faced a cut of about 7 per cent. He had

been asked both by academic and administrative units to take on more research jobs for them yet he now found himself more squeezed for funds. Shaw agreed he faced a conundrum but added that most units will find themselves in the same position.

Dr. John Scheibelhut, director of the School of Business Administration, said that cuts in his department would result in larger classes. The department would have to get rid of part-timers and graders and as a result decrease classes by 11 per cent. We'll have to reduce the number of students by 100. It worries me that we have to cut back — decrease the number of students who want to come in. I feel very frustrated when we speak about varsity athletics. We don't have enough money. We have to support academic programs to the utmost.

He had voted against the motion to maintain the art gallery at Senate, not because he didn't support the idea of a gallery, but because academic programs had to take priority.

Dr. Lars Osberg, of Economics, said that the cuts Dal was making would be invisible to most of the people who drove home to the south end. Only two of the cuts, if they were made, would be visible — the gallery and varsity sports. We're bleeding internally. They're visible cuts that people outside cannot see. Why do we adopt this strategy year after year.

Shaw said there was no consensus for vertical cuts but he agreed with Osberg absolutely. If Dal made comprehensive cuts, it would be the first Canadian university to do so.

Osberg said that in terms of a political strategy, vertical cuts made sense.

Donna Curry, a Halifax physician who graduated from Dal, read a letter that said the strength of the university is in its alumni. Students got their school spirit through sports and when they left, this spirit could translate into tangible support for the university. She attended Dal in the Fifties when there was lots of school spirit. But later the attitude at Dal became one of apathy — who cares? If we cut varsity sports we're cutting the hands that feed us. We can't look to the government for greater support but have to depend on ourselves — faculty, staff, students, alumni. Addressing parents in the audience, she said we want our kids to be well-rounded.

One faculty member called for a total freeze on every new program. Sinclair disagreed with this approach. Peter Jones, of computing, did, too. There is tremendous student demand for computing and additional funding is absolutely essential.

Catherine Blewett, the new Student Union president, asked for better planning in formulating a budget.

And so ended the two open meetings. Reasonable comments but few real suggestions for saving money. And no volunteering that yes, we will close our department or do away with our service.

The UBAC had said it would answer questions. It did. It also listened long and hard. But the next move is UBAC's. In the absence of miracles, UBAC will doubtless be forced to make tough, unpopular decisions.

At least for 1986-87, according to Robbie Shaw, there will be better planning and more room for innovation. "We'll start the budget process for 1986-87 24 hours after we finish this one."



Biochemistry professor Dr. Ford Doolittle will spend his year-long Guggenheim Fellowship at Stanford University "thinking, reading and writing" about evolutionary theory. (Carlos photo)

Doolittle wins Guggenheim Fellowship

Biochemistry professor Dr. Ford Doolittle has received the esteemed Guggenheim Fellowship to study some of the early events in evolution.

Doolittle, who says he will spend the next year "reading, writing and thinking" at Stanford University in California, is interested in certain evolutionary topics: how natural selection works, how species are formed.

The development of some new theories in the last five years "bear on some of these questions in ways we haven't had much time to think about. I plan to think about them."

Doolittle, a native of Urbana, Ill., who holds a BA from Harvard and a PhD from Stanford, joined Dalhousie 14 years ago and has since captured a clutch of awards and honors.

In 1977, the Atlantic Provinces Committee on the Sciences presented

1,800 to graduate

Dalhousie will graduate about 1,800 students at its seven spring convocations this year.

That is the number — "give or take a few" — estimated by the Office of the Registrar.

The largest group of graduates is from the Faculty of Arts and Science — 852, of whom 535 are in science and 317 are in arts.

The Faculty of Management Studies (commerce, business administration, public administration and library service) will graduate 321, followed by the Faculty of Health Professions (nursing, pharmacy, recreation, health education, physical education, social work, human communication disorders, physiotherapy and occupational therapy (its first graduating class), with 310.

ENROLMENT APPLICATIONS REACH 8,500 BY MID-APRIL

Dalhousie had received more than 8,500 applications for enrolment by mid-April.

Arts and Science, the largest of Dal's seven faculties, had received 2,816 applications followed by Graduate Studies with 1,392 and Health Professions with 1,308.

Dal News, May 1985

him with the Young Scientist Prize for outstanding research for his work on blue-green algae.

Three years later he shared space in the British scientific journal *Nature* with Nobel prize winner Dr. Francis Crick. Both men studied the fundamentals of evolution.

Doolittle had been studying the molecular physiology and evolution of blue-green algae, which are among the earliest forms of biological life and may be three billion years old.

His article in *Nature*, written with a graduate student, describes what he called "selfish DNAs," which are DNA parts that appear to have no purpose.

Four years ago, Doolittle was named Young Biochemist of the Year and received the highly prized Ayer award for his work in evolutionary molecular biology.

Law tops the professional schools' graduating list with 170, followed by Medicine, with 90 and then Dentistry (DDS degrees and dental hygiene diplomas), 66.

Here are the dates, times and venues of the seven convocation ceremonies:

Thursday, May 9, 10 a.m., Cohn, Faculty of Management Studies.

Thursday, May 9, 2 p.m., Arena, Faculty of Health Professions.

Friday, May 10, 10 a.m., Arena, Faculty of Arts and Science (science).

Friday, May 10, 2 p.m., Arena, Faculty of Arts and Science (arts).

Friday, May 17, 10 a.m., Cohn, Faculty of Medicine.

Wednesday, May 22, 10.30 a.m., Cohn, Faculty of Dentistry.

Friday, May 24, 4 p.m., Cohn, Faculty of Law.

But with the exception of Arts and Science and Management Studies, the five other faculties had accepted only a few students.

Most faculties are now in the process of accepting students but won't have completed the process until later this summer.

MACE SIGNALS CEREMONY START

That ornate club carried by Dalhousie's beadle at the head of the academic procession during convocations isn't protection for the professors and dignitaries — although it could be.

No, the mace is a club-shaped staff of office and authority which, when laid on its rest on the stage, signals that the ceremonies may begin.

Dalhousie, however, survived until 1950 without a mace. At that time, the late Dr. Richard Saunders, who was a professor of anatomy, said that because Dal ranked among the oldest seats of learning in Canada, it "should have an emblem proper to its dignity, authority and the herald devices which it bears by virtue of its titled founder and the royal act signed at his hand."

Today, no academic procession at Dalhousie is complete without the mace.

It's four and a half feet of carved oak, adorned with silver and enamel, symbolizes academic and historic tradition, and depicts, through its elaborate design, the story of Dalhousie and the Maritime heritage.

In 1950, the present Earl of Dalhousie was asked for a piece of Scottish oak so that a mace could be made. The earl sent a piece of oak from a tree on his Braslin Castle estate.

The piece developed cracks, so a dowel was made and then surrounded by Nova Scotia oak.

Dr. Saunders designed the mace and it was carved locally. Its lower end is adorned with a fish made of silver to recognize the source of Nova Scotia's economy. Above it is a carved circular scene depicting a sea nymph calling across the waves to a setting sun, the impulse that led navigators to sail west.

ward from Europe and beyond to the Americas.

The head of the mace bears the maple leaf and above it is a carved circlet of mayflowers symbolizing both the province and the flowering of a new civilization which led to the establishment of Dalhousie. Four robed scholars facing the compass points represent the university faculties and each of them bears a silver-enamelled shield emblazoned with either the arms of the university or of Nova Scotia. Alternating are rose, thistle, fleur de lys and shamrock, representing the nation's major ethnic backgrounds.

The uppermost part of the mace head is surmounted by a Scottish earl's five-rayed coronet in recognition of the founder of the university, the 9th Earl of Dalhousie. The cap of the coronet is graced by a silver Celtic cross, surrounded by the university motto, *Orate Labora — Pray, and*

Maces were first used a thousand or more years ago as a useful and effective assault weapon which later came to symbolize regal and civic authority. William the Conqueror and his brother, Bishop Odo of Bayeux, carried one.

Thirteenth century officials appointed by the king were attended by sergeants-at-arms who carried a wand or staff as a symbol of authority, to be replaced later by a weapon of iron since the sergeants' duties included the apprehension of offenders as well as attendance at the courts.

Over the years, the simple mace changed from a short, spike-headed weapon capable of piercing the strongest armour, into an increasingly ornate, carved wooden symbol of authority.

DAL MEDICAL DEAN TO RECEIVE HONORARY DEGREE FROM QUEEN'S

Dr. Donald Hatcher, dean of the medical school, will receive an honorary LLD from Queen's University in Kingston, Ont. on May 25.

Hatcher had been head of the department of physiology and associate dean at Queen's before coming to Dalhousie nine years ago as dean of medicine.

Hatcher, a Markle Scholar in Medical Science at Queen's from 1952-57, graduated from the medical school at the University of Western Ontario in 1946 and received his PhD from Western in 1950.



Dr. Donald Hatcher

First OT class to graduate

Twenty-three students will receive the first Dalhousie degrees of Bachelor of Science in Occupational Therapy at this year's convocation.

The students, the first graduating class of the three-year old School of Occupational Therapy, have their pick of jobs.

"There are 10 jobs for every graduate of the School of Occupational Therapy," says school director, Barbara O'Shea. "Their biggest task is deciding which job offer to accept."

The School of Occupational Therapy opened its doors in 1982, in the Dentistry building, with teaching shared by O'Shea and two other faculty members.

Now there are six faculty members, 75 students and permanent quarters in the renovated Forrest building, and a graduating class that will soon start filling a large professional gap.

"There's a desperate need for occupational therapists in the Atlantic region," O'Shea says, "and it's quite gratifying that most of the school's graduates are staying in Atlantic Canada."

The school was created largely because of a shortage of occupational therapists in Atlantic Canada. Professional occupational therapists, O'Shea says, saw the urgent need for more therapists and worked hard to get a school going. Their involvement continued, providing students with practical field work experience and placing graduates in jobs.

Now that the school has a full three-year program, and its first grads, O'Shea is looking to the future to implement a Masters program, "but that's two or three years away."

"WHAT WE ASSUMED" — SHAW

Funding increases for '85-86

Increases in operating funds to Dalhousie for 1985-86 are identical to the figures used in the budget process — with one exception — according to Vice-president Robbie Shaw.

In a memo to Deans and administrative directors, Shaw said the university had been informed in mid-April of the funding levels.

The total of all grants for the year is \$73,295,930. The 1984-85 total was \$70,143,560.

In the non-restricted grants section, the basic grant is \$49,241,860 and the enrolment grant \$17,968,400. These total \$67,210,260 and represent an increase over 1984-85 of 2.44 per cent.

EROSION OF SUPPORT CONTINUES — NSCUFA

"The proposed provincial budget will continue the erosion of support for universities which has been Premier Buchanan's policy on post-secondary education," said Om Kamra, president of the Nova Scotia Confederation of University Faculty Associations (NSCUFA) in a press release. "The proportion of the province's budget directed to the operation of universities will decline again this year as it has in every year, since Premier Buchanan first formed a government."

The release also said that it "appears the actual dollars to be paid for the operations of universities out of provincially generated revenues will decline. The operating grants will increase from \$154.2 million to \$160.9 million, that is \$6.7 million or 4.3 per cent. Recoveries from other provinces are expected to increase by \$1 million, so Nova Scotia's net grant is to increase by only 3.9 per cent. However, the province also

In the restricted grants section, \$623,170 has been allowed for Alterations and Renovations and in the special grants section, Dentistry will receive \$3,448,500 for its expansion costs, Occupational Therapy \$426,400, the Open Access Program \$150,500 and Medicine \$1,437,100.

In his memo Shaw said the figures were identical to those assumed for the budget process with the exception that no equalization was granted this year. This meant that the announced grants were approximately \$100,000 less than the figures used by the University Budget Advisory Committee.

receives transfers from the federal government to ensure the quality of post-secondary education. This year these EPF funds will increase by \$10.6 million (7.3 per cent). Nova Scotia's actual contribution to university operations will, therefore, decline this year."

NSCUFA says the province shifted "more of the burden of university operations on the federal government," a pattern, it says has lead the federal government to consider levelling penalties on provinces.

NSCUFA also said that overcrowding and deteriorating facilities are "undermining the quality of post-secondary education" in Nova Scotia and that the budget shows that the province "will continue to fail in meeting its responsibilities to provide quality post-secondary education to those Nova Scotians who are qualified." The consequences, it says, will be higher tuition fees and squeezed salary budgets.

NOTICE

The President's Office seeks a member of the University's academic staff willing to serve as:

ADVISOR ON ACADEMIC STAFF RELATIONS

In a half-time capacity for a period of 12 months. His or her role will be to assist the administration to maintain effective relationships with the Dalhousie Faculty Association and academic staff, and thereby improve the administration's capacity to address issues relating to the quality of working life at Dalhousie.

This role will involve:

- Drawing to the attention of the Vice-President (academic and research) matters which adversely affect the level of job satisfaction and morale of Dalhousie faculty, and developing proposals for addressing the problems in question in consultation with members of faculty, the DFA and administrative staff.
- Assessing the administration of the Collective Agreement and the manner and timeliness with which administrative offices respond to requests from individual members of faculty and the DFA, and drawing to the attention of the Vice-President any practices or procedures which may give rise to unnecessary friction or delay. The incumbent will in particular seek to bring about the amicable and prompt resolution of grievances.
- Assisting administrative officers to communicate to members of faculty information about compensation, benefits and conditions of employment, and prospective changes in these, which may be of interest.

Nominations, applications and inquiries should be addressed to: Alasdair Sinclair, Vice-President (academic and research).

M.P.H.E.C. GRANTS

AS ANNOUNCED APRIL 1985

NON-RESTRICTED GRANTS

	1984-85	1985-86
Basic Grant	48,582,560	49,241,860
Enrolment	16,937,200	17,968,400
Equalization	86,100	Nil
Medicine & Dental	Nil	Nil
Weighting Increases	Nil	Nil
Total Non-Restricted	\$ 65,605,860	\$ 67,210,260

Per cent Increase 2.44%

RESTRICTED GRANTS

Non-space	Nil	Nil
Alterations and Renovations	Nil	623,170
Total with A&R and Non-space	\$ 65,605,860	\$ 67,833,430

Per cent Increase on Restricted and Non-restricted 3.40%

SPECIAL GRANTS

Dental Expansion	\$ 2,912,600	\$ 3,448,500
Occupational Therapy	461,000	426,000
Open Access Program	190,500	150,500
Medical School	973,600	1,437,100
Total All Grants	\$ 70,143,560	\$ 73,295,930

Per Cent Increase of All Grants 4.49%

The Women's Centennial Committee Invites You to Two Special Lectures

Mary Pratt

prominent Newfoundland realist artist and honorary degree recipient will present a slide talk on her work at 10 a.m. on Saturday, May 11, in the Dalhousie Art Gallery. Reception to follow.

Nancy Lane

eminent Cambridge zoologist, Dalhousie alumna, and honorary degree recipient will give a lecture on *Ethical Problems in Cell Biology* at 4 p.m., Tuesday, May 14 in the MacMechan Auditorium. Reception to follow at the Dalhousie Art Gallery.

Everyone is welcome

NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL AND SOCIAL SCIENCES AND HUMANITIES RESEARCH COUNCIL GRANT AWARDS TO DAL STUDENTS

NSERC POST GRADUATE SCHOLARSHIPS

Jeffrey S. Beis, Physics	\$11,600
David L. Cardozo, Biology	\$11,600
Susan P. Davis, Experimental Psychology	\$11,600
Bernard J. Flinn, Chemistry	\$11,600
Jan O. Friedrich, Chemistry	\$11,600
Peter W. Krieger, Physics	\$11,600
Alexander K. MacAulay, N/A	\$11,600
Angela H.M. Moloney, Plant Physiology	\$11,600
Michael Nyenhuis, Mathematics	\$11,600
Norma P.K. Wadden, Experimental Psychology	\$11,600
Brian D. Wagner, N/A	\$11,600
Kent M. Young, Chemistry	\$11,600

NSERC POST GRADUATE SCHOLARSHIP RENEWALS

Gerald R. Johnson, Chemistry	\$11,600
Heather E. Plint, Geology	\$11,600
Leonard C. Schalkwyk, Biochemistry	\$11,600
Christopher H. Brand, Plant Science	\$11,600
Cecily A. Honig, Marine Science	\$11,600
Craig H. Jones, Experimental Psychology	\$11,600
David Brickman, Oceanography	\$11,600
Toby K. Hay, Biology	\$11,600
David G. Hughes, Mathematics	\$11,600
Dennis F. Jones, Physics	\$11,600

Brian R. Mackenzie, Marine Science	\$11,600
Arlene S. Margosian, N/A	\$11,600
Steven R. McCutcheon, Geology	\$11,600
Sherry E.H. Niven, Oceanography	\$11,600
Michelle M. Van Dort, N/A	\$11,600
Beverly R. Vincent, Chemistry	\$11,600
Michael A. Wendt, Mathematics	\$11,600
Kevin Briand, N/A	\$11,600
Nigel D. Higson, Mathematics	\$11,600
Linda S. Ireland, Molecular Biology	\$11,600
Karen M. Wassenberg, Experimental Psychology	\$11,600
Rolf Clark, Applied Mathematics	\$11,600
Paul B.M. Joyce, Molecular Biology	\$11,600
Kathryn M. Murphy, Experimental Psychology	\$11,600
David J. Ives, Oceanography	\$11,600
Robert J. Pett, Oceanography	\$11,600

NSERC 1967 SCIENCE SCHOLARSHIP

David L. Cardozo, Biology	\$17,500
Kent M. Young, Chemistry	\$17,500
John R.C. Doering, Oceanography	\$17,500
Sandra A. Moolenaar, Chemistry	\$17,500
Jennifer M. McLaren, Experimental Psychology	\$17,500

NSERC POST-DOCTORAL FELLOWSHIPS

Katherine V. Darvesh, Theoretical Chemistry	\$23,300
Keith L.L. Grasse, Experimental Psychology	\$23,300
Daniel E. Kelley, N/A	\$23,300
Suzanne Roy, N/A	\$23,300
Ralph Mistleberger, Experimental Psychology	\$23,300

(1) \$17,500 each year for four years

SSHR DOCTORAL FELLOWSHIPS

Miriam Stewart, Education	\$11,640
Vernon Provencal, Classical Literature	\$11,640
Lori Clifford, Medieval Studies	\$11,640
Elizabeth Edwards, English	\$11,640
Catherine Luke, English	\$11,640
Antonie Van Den Broeck, English	\$11,640
Isabel Grant, Law	\$11,640
Hanna Barnett, Psychology	\$11,640

SSHR DOCTORAL FELLOWSHIP RENEWALS

Karen MacGillivray, Political Science	\$11,640
Denise Sommerfeld, Psychology	\$11,640

SPECIAL SSHRC MA SCHOLARSHIPS

Niel Robertson, Medieval Studies	\$11,340
Susan Brown, English	\$11,340

Don't wait for fall, do it now

(The following article first appeared in the March 20 issue of Dal News.)

Don't wait for fall — do it now.

If Dr. Arnold Tingley were choosing a commercial for the Registrar's Office, that would fit the bill.

Tingley has been at Dalhousie long enough — 32 years in the math department and, as well, registrar for the last 12 — to believe in the exhortation.

As registrar he has appealed to students — new and returning — to register early and, therefore, make it easier on themselves.

But, for some unfathomable reason, some students procrastinate. "I've

asked some in the line-ups during the September registration week why they didn't register earlier. They shrug and say, 'I don't mind waiting.'

The main point Tingley makes in his appeal to students is that once class approvals are obtained, other registration procedures can be done by mail in most cases.

"The only things that must be done by a student in person are the class approvals and obtaining an ID card.

"We have tried very hard to make registration easy and we do have the mechanisms to make it possible for students to do it early," says Tingley.

For example, June 24 this year is the date set aside for new students who, with their parents, are being invited by the president to come to the university for registration. On that day, all the academic advisers will be on hand and if the new students get all their classes lined up, they will be able to register immediately.

But, says Tingley, new students can visit the university at any time after June 24 to seek class approval. "They would have to visit various departments to see the class advisers, but it can be done."

For those who have attended Dal and plan to return in the fall, class advisers will be available during the last week of classes and, on an informal basis, until convocations. "This is the best time for them to get class approval. Otherwise it cannot be done until registration week in September."

Those who do get their classes arranged early can simply register by mail. Mailed registration material must reach the Registrar's Office before Labor Day.

What about students from abroad and part-time students?

"We recognize that there are two groups of students who, for various reasons, cannot register early.

"First, there are those who live some distance away — in Hong Kong or British Columbia or even Yarmouth, Nova Scotia. During the September registration week, the Wednesday — the 4th — is reserved exclusively for new students. On that day, it is hoped, departments will limit their services to them. Then on Thursday, Friday and Saturday, students who did not register early will be able to do so. It is to be noted that by Wednesday afternoon all students will have had an opportunity to register at a time designated for them.

"The second group consists of part-time students. It is recognized that part-time students may make decisions late. If they are unable to register early, they must be properly looked after in September."

To accomplish this, registration is continued over extended hours, specifically late afternoon on Thursday and on Saturday morning. Also, for the September registration period this coming

fall, two line-ups have been planned, one for part-time students, the other for full-time students.

"We will designate work stations from hour to hour, depending on the length of the line-ups, so that part-time students on those days will get priority.

"But I cannot emphasize enough that students who come to register before the Thursday of that week will obviously get better service than if they come at the last available time. When many hundreds turn up all at once we simply cannot provide service as quickly as would be the case on earlier days."

The deadline for receipt of all applications for admission to the undergraduate faculties — Arts and Science, Health Professions and Management Studies — and to the Faculty of Graduate Studies are Aug. 1 or earlier, but the university will accept latecomers in some programs if they can be accommodated. "We do look after latecomers," says Tingley, "and on the spot. But obviously, the service may not be as good as if they had applied and registered early."

It may not be widely known, but high school students who are only half way through their final (Grade 12) year can be accepted by Dalhousie as early as January or February for admission the following September.

High school students who have good records — normally 70 per cent or better averages — may receive early acceptance on condition that they maintain their records for the balance of the year.

If Tingley had his way, more incentives would be offered to encourage early registration. "We have, for example, a discount for those who pay their fees early. I have urged that we devise more incentives — some carrot-like, some stick-like — to persuade students to register early. And I wish there were more financial incentives."

So while the message to new and returning students may in its repetitiveness be irritating, like so many TV commercials, it is nevertheless good advice: "Don't wait for fall. Do it now. You'll make it easier on yourselves."

Dalhousie's Mini-University program

A unique educational and fun-filled experience for 10 to 16 year olds.

Dal's mini-university is a new, multi-faculty program run in conjunction with Dal's summer sports camps. Mini-U is designed to give students 10 to 16 years of age a practical learning experience of some of the career avenues open to them, as well as an introduction to lifetime recreational sports.

Each participant receives a two-week pass to Dalplex and a "graduation certificate". One lucky participant will receive a \$200 scholarship to be applied to his or her Dalhousie tuition.

Enrolment is limited to ensure individual attention to all students. Session I runs from July 8 to 19; session II from July 22 to August 2.

For more information call 424-2558 or drop by the Dalplex information desk.

Twelve prominent Canadians to receive hono

Dalhousie will confer honorary degrees on 12 prominent Canadians at the 6th biennial spring convocations this month.

Eight of the recipients are, appropriately, women, as 1985 marks the 100th anniversary of the granting of the first degree to a woman at Dal.

Those receiving honorary Doctor of Laws degrees are:

At the convocation for the Faculty of Management Studies, 10 a.m., Thursday, May 9, Cohn Auditorium:

Shirley B. Elliott, of Halifax, Nova Scotia legislative librarian from 1954 to 1982;

Walter F. Light, of Toronto, chairman of Northern Telecom Ltd.; and **Gordon F.J. Osbaldeston**, of Ottawa, clerk of the Privy Council and secretary to the federal cabinet.

At the Faculty of Health Professions convocation, 2 p.m., May 9, Memorial Arena:

Thelma Cardwell, of Willowdale, Ont., first woman elected president of the Canadian Association of Occupational Therapists; and

M. Josephine Flaherty, of Ottawa, principal nursing officer with the federal Department of Health and Welfare.

At the Faculty of Arts and Science (science section) convocation, 10 a.m., Friday, May 10, Memorial Arena:

Nancy F. Lane, senior principal scientific officer, insect neurophysiology and pharmacology unit, Agricultural and Food Research Council, U.K., and lecturer in cell biology at Cambridge University; and

Francis R. Joubin, of Toronto, exploration geologist and discoverer of many uranium deposits in Canada.

At the Faculty of Arts and Science (arts section) convocation, 2 p.m., Friday, May 10, Memorial Arena: **Mary F.W. Pratt**, Newfoundland painter and art educator.

At the Faculty of Medicine convocation, 10 a.m., Friday, May 17, Cohn Auditorium:

G. Enid MacLeod, of Dartmouth, professor emeritus of physiology and biophysics at Dalhousie and a pioneer in the use of curare as a muscle relaxant; and

Robert B. Salter, of Toronto, orthopaedic surgeon and head of orthopaedic surgery at the University of Toronto.

At the Faculty of Law convocation, 4

p.m., Friday, May 10, Cohn Auditorium: **Lilias M. Toward**, former judge of the Nova Scotia Assessment Appeal Court in Cape Breton; and

Rosalie S. Abella, judge of the Ontario Family Court and sole commissioner of the federal Royal Commission on Equality in Employment.

Convocation speakers are: Light, Flaherty, Lane, Pratt, Salter and Abella. Three of the honorary degree recipients — MacLeod, Lane and Toward are Dal alumnae.

The Faculty of Dentistry convocation will be held at 10:30 a.m. on Wednesday, May 17. No honorary degrees will be awarded. The speaker will be Dr. Ralph Crawford, 1984-85 president of the Canadian Dental Association.



ROSALIE S. ABELLA

Abella was born in Stuttgart, Germany. After her family emigrated to Canada, she obtained her BA and LLB from the University of Toronto and was in private law practice from 1972 to 1976.

From 1975 to 1978 she was a member of the Ontario Human Rights Commission, from 1975 to 1976 a member of the Ontario Public Service labor relations tribunal, from 1976 to 1981 a member of the Ontario premier's advisory committee on confederation and from 1982 to 1983 chairman of a study on access to legal services by the disabled. Since 1976 she has been co-chairman of the University of Toronto academic discipline tribunal.

In 1983 Abella was appointed sole commissioner of the federal government's Royal Commission on Equality in Employment, whose report and recommendations were published last year.

She served on the legal committee of the Canadian Jewish Congress from 1977 to 1982, is a director of the Canadian Institute for the Administration of Justice, and has written many articles for legal journals. She was the author of "Access to Legal Services by the Disabled" and co-editor of "Family Law: Dimensions of Justice," both in 1983.

In 1977, Abella was named B'Nai Brith Woman of the Year.



THELMA CARDWELL

Cardwell is a graduate of the occupational therapy program at the University of Toronto (1942) and after clinical work in Toronto and as a lieutenant with the Royal Canadian Army Medical Corps in England during the Second World War, she joined the faculty of occupational therapy at the U of T where she taught from 1945 to 1947 and again from 1951 to 1983.

When she retired, she was an associate professor and was acting director of the Division of Occupational Therapy.

During her career, she was active on committees and task forces of professional occupational therapy organizations. From 1966 to 1968 she was the first occupational therapist to be elected president of the Canadian Association of Occupational Therapists (a post held previously by physicians); the first Canadian occupational therapist to be appointed president of the World Federation of Occupational Therapists (1967-72); and a founder and vice-president of the Canadian Occupational Therapy Foundation (1983-present).

She was awarded a life membership in the Canadian Association in 1969, an honorary fellowship in the World Federation in 1972, a life membership in the Ontario Society of Occupational Therapists and, in 1977, a Queen's silver jubilee medal.



SHIRLEY B. ELLIOTT

Elliott was born in Wolfville and obtained her BA and MA degrees from Acadia University and her BS (library science) from Simmons College in Boston.

From 1940 to 1946 she worked in the Brookline, Mass., Public Library and then joined the University of Rhode Island as assistant librarian. In 1949 she joined the staff of the Canadian Library Association in Ottawa and the following year returned to Nova Scotia, becoming chief librarian at Colchester-East Hants Regional Library in Truro.

Elliott was appointed legislative librarian with the province of Nova Scotia in 1954, a post she held until her retirement in 1982. She is honorary librarian of the Cambridge Military Library at Royal Artillery Park in Halifax.

She is a member the Canadian Library Association, the Bibliographical Society of Canada, the Atlantic Provinces Library Association, the Writers' Federation of Nova Scotia, the Canadian Federation of University Women, the Royal Commonwealth Society, Heritage Trust of Nova Scotia, the IODE and the Royal Society of Arts in London.

In 1981 Elliott won the Atlantic Provinces Library Association merit award and last year she was awarded an honorary degree by Acadia University. Her publications include Province House: The Nova Scotia Book of Days; The Legislative Assembly of Nova Scotia, 1758-1983; and a biographical directory. She was also a contributor to the Dictionary of Canadian Biography and to journals and periodicals on subjects dealing with Nova Scotia bibliography and local history.



M. JOSEPHINE FLAHERTY

Flaherty was born in Ottawa. She was educated at the University of Toronto, obtaining her BSc in Nursing in 1956, her BA in 1962, her MA in 1965 and her PhD in 1968.

After graduating with her nursing degree, she began her career as the nurse in charge of a Red Cross outpost in Matachewan, in northern Ontario, where she was the only health worker. Later she worked for two years in the emergency department of St. Michael's Hospital, Toronto.

For six years she did graduate teaching and research at the Ontario Institute for Studies in Education, working with several groups in health education, labor relations and social services.

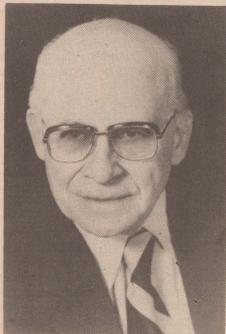
Flaherty was a lecturer in nursing at the U of T and an associate professor at the Ontario Institute. Before joining Health and Welfare as principal nursing officer, she was Dean of the Faculty of Nursing at the University of Western Ontario from 1973 to 1977.

She continues to practise nursing, a day a week, in hospitals, community clinics or in public health. As principal nursing officer, she does consulting in nursing practice, education and research, health care administration and management, quality assurance, staffing and ethics.

She is a member of local, national and international associations in nursing, education, research, public health and ethics. The author of more than 60 formal publications, Flaherty was also co-author of a book, Nursing Ethics: Theories and Pragmatics. She has also lectured extensively in Canada, the Uni-

rary degrees

ted States and overseas, and has been a consultant in health care issues in other countries.



FRANCIS R. JOUBIN

Joubin was born in San Francisco but moved to Canada in 1913 and obtained his BA and MA from the University of British Columbia.

He has worked in geological exploration in Canada and about 60 other countries, and has written and lectured widely on mineral exploration methods. From 1938 to 1948 he was a mine geologist and later exploration geologist for Pioneer Gold Mines, after which he became successful in the uranium exploration field, directing a group that discovered and developed many uranium mines in Canada. The Algoma, Ont., field, for example, fulfilled production contracts worth a billion dollars in its first six years and established Canada as the then world leader in uranium production.

From 1956 Joubin served as a consultant to several clients in worldwide mineral exploration and in 1962 joined the United Nations to serve in many foreign missions. Between 1966 and 1980 he was senior consultant to the administrator of the United Nations Development Program and an advisor to the Canadian International Development Agency and foreign governments.

His work with the UN contributed to several successful programs, principally the discoveries of copper deposits in Central and South America, identification of a hydrocarbon basin offshore in the Caribbean, the development of potash deposits near the Baltic coast of Poland and recognition of the first economically important carbonatite structure in India.

Joubin's major current activity in Canada is his continuing direction of the Sogepet Company (Societe Generale des Petroles), a pioneer group founded by him to begin offshore oil exploration in Canada's eastern Arctic, where exploratory drilling is expected to begin this year.

Active in professional societies and community activities, Joubin was awarded the Order of Canada in 1983 and has received honorary degrees from the universities of British Columbia, St. Francis Xavier and York.



WALTER F. LIGHT

Light was born in Cobalt, Ont., where he received his early education. He joined the Royal Canadian Air Force in 1942, serving overseas. After the war he graduated with his BSc from Queen's University in 1949.

He began his telecommunications career with Bell Canada's engineering department and held senior management positions in Toronto and Montreal. In 1967 he was appointed vice-president (engineering) and two years later vice-president of operations and subsequently executive vice-president, a position he held until his appointment as president of Northern Telecom in 1974.

In 1979 Light became chief executive officer as well and three years later, chairman and chief executive officer. He relinquished the post of chief executive officer last year.

Light is a director of several U.S. and Canadian companies, a director of Canadian Executive Service Overseas, a governor of the Montreal Museum of Fine Arts, a member of the Associates of Carleton University, a member of the EIC advisory board on telecommunications and vice-chairman of the board of trustees of Queen's University.

He has received honorary degrees from Concordia, Queen's, Ottawa and Laurentian universities.



G. ENID MACLEOD

MacLeod was born in Jacksonville, N.B., and received her early education there and in Nova Scotia and Montreal. She obtained her BA from Acadia Uni-

versity in 1932 and her MD CM from Dalhousie in 1937.

After residencies in Ontario and Wisconsin, she worked as a resident in anaesthesia at Homeopathic Hospital, Montreal, with Dr. H.R. Griffith, where they pioneered the use of curare as a muscle relaxant before a patient was given an anaesthetic.

In 1942 she married Innis MacLeod and moved to Sydney, where she practised anaesthesia and, during the war years, was in charge of Red Cross blood donor clinics in Cape Breton.

In 1948 the family moved to Dartmouth, and from then until 1959 Dr. MacLeod worked part-time on the schools inoculation program. In 1960 she joined the department of physiology and biophysics at Dalhousie, retiring in 1976. She was appointed professor emerita in 1980, and at a ceremony to mark the occasion, her contribution to medical research was praised.

Curare as a muscle relaxant had never been used in conjunction with an anaesthetic until the MacLeod-Griffith team experimented with it. The result was revolutionary to surgery throughout the world. "Hers was a real Canadian contribution to medical research. And Dr. MacLeod was a woman doing research in the days when women were few in the ranks of medicine and almost non-existent in research," said Dr. Gerald A. Klassen, then head of the department of physiology and biophysics.

At Dalhousie, MacLeod taught physiology to students in nursing, pharmacy, physical education, physiotherapy, dental hygiene and medicine.

At 74, MacLeod remains active. She is secretary of the local University Women's Club, the Federation of Medical Women of Canada and the Clan MacLeod Society. She is a past-president of the Fraternity of Medical Women, was a counsellor for Explorer Girls for 19 years and is an honorary life member of the Women's Missionary Society.



NANCY F. LANE

Lane was born in Halifax and received her early education there. A Queen Elizabeth High School graduate, she obtained her BSc (Hons) at Dalhousie, where she was a consistent prize-winner, academically and otherwise. She swam and played field hockey for the varsity teams, was junior, dental engineers and campus queen and, when she graduated, won the Governor

General's gold medal. She took a post-graduate diploma in biochemistry at the University of London, returned to Dal for her MSc, then won a scholarship to Oxford, where she obtained her DPhil.

Lane was a research assistant professor in pathology at New York's Albert Einstein College of Medicine in 1964-65 and, from 1965 to 1968, was a research staff biologist at Yale University. She was elected a Fellow of Girton College, Cambridge in 1968, the year she was appointed a senior scientific officer with Britain's Agricultural Research Council (ARC) at the zoology department of Cambridge University. She received her PhD from Cambridge in 1968 and her DSc in 1981.

Since 1970 she has lectured in cell biology at Cambridge. In 1973 she was appointed a principal scientific officer with the ARC unit and, in 1982, senior principal scientific officer with the insect neurophysiology and pharmacology unit of what is now the Agricultural and Food Research Council.

Lane is a member of the Society for Experimental Biology, the American Society for Cell Biology, the Histochemical Society, the American Association for the Advancement of Science, the British Society for Cell Biology and the Society for Developmental Biology. She is a Fellow of the Royal Microscopical Society, editor of several biology journals, has been a guest lecturer at universities in North America and Europe, has spoken at international conferences around the world and has published more than 100 scientific papers.



GORDON F.J. OSBALDESTON

A native of Hamilton, Ont., Osbaldeston graduated in 1952 with his BComm from the University of Toronto and the following year with his MBA from the University of Western Ontario.

He joined the department of trade and commerce in 1953 and served in Ottawa and overseas. In 1964 he was appointed assistant director (personnel) with the trade commissioner service, assistant director (operations) in 1966 and executive director in 1967.

Osbaldeston became director general of the consumer affairs branch of the department of consumer and corporate affairs in 1968 and later in the year was appointed assistant deputy minister. In 1970 he was appointed deputy secretary in the program branch of the treasury board secretariat and two years later became deputy minister of consumer and corporate affairs. After

appointments as secretary of the treasury board and deputy minister of industry, trade and commerce, he was named secretary of the ministry of state for economic development.

In 1982, Osbaldeston became under-secretary of state for external affairs and, later that year, clerk of the privy council and secretary to the cabinet.

He is a member of the board of directors of the Niagara Institute and of the advisory committee of the School of Business Administration at the University of Western Ontario. He was appointed an officer in the Order of Canada in 1981 and has received honorary degrees from the University of Western Ontario and York University.



MARY PRATT

Pratt was born in Fredericton, N.B., and educated at Mount Allison University, where she met her husband Christopher, who is also a prominent painter. In 1957, they married and went to Scotland, where Christopher enrolled at the Glasgow School of Fine Art.

They returned to Mount Allison and Mary Pratt graduated with her Bachelor of Fine Arts degree in 1961. She settled in St. John's, Nfld., but moved to the old Pratt family home in St. Catherine's, Nfld., shortly afterwards.

Mary Pratt became a "housewife painter" in her home, recording such still life scenes as wild flowers in a vase, onions boiling and trout in a bucket. Her first exhibition, at Memorial University in St. John's was a huge success. All 44 oils, watercolors and pencil sketches were sold.

By 1969, she had done enough work for the Morrison Gallery in Saint John, N.B., to stage her second show, and since then her work has been exhibited regularly — at the University of Toronto, the University of New Brunswick, Dartmouth Heritage Museum, the New Brunswick Museum in Saint John, Owens Art Gallery at Mount Allison University, the Confederation Art Gallery in Charlottetown, Simon Fraser Art Gallery, Vancouver, and the Aggregation Gallery in Toronto.

Pratt has been a member of the Newfoundland Task Force on Education, the province's Fishing Industry Advisory Board, the Grace Hospital board of management, the regents of Mount Allison University and the federal cultural policy review committee.

She also reviews books on art and photography for CBC and for three

years wrote and presented "Art in the School" TV programs for CBC. She is chairman of a committee seeking to establish an art school in Corner Brook, Nfld.



ROBERT B. SALTER

Salter was born in Stratford, Ont., and received his MD from the University of Toronto.

His great great great grandfather, Malachy Salter, after whom Salter Street in Halifax is named, was a member of the first Nova Scotia Legislative Assembly in the mid-18th century.

Salter served for two years with the Grenfell medical mission in northern Newfoundland and Labrador before taking post-graduate orthopaedic training in Toronto and London, England.

On his return to Canada in 1955, he joined the Hospital for Sick Children in Toronto and two years later was appointed chief of orthopaedic surgery. He then became surgeon-in-chief and professor of surgery, after which he was appointed head of orthopaedic surgery at the University of Toronto.

He developed a number of innovative methods of orthopaedic treatment including the innominate osteotomy (the Salter Operation) for children and young adults with abnormalities of the hip joint.

The author of the Textbook of Disorders and Injuries of the Musculoskeletal System, Salter has also written chapters in many books and more than 100 scientific articles, and has been a visiting professor at 120 universities in 30 countries.

He is a member of the Royal College of Physicians and Surgeons of Canada (president, 1976-78), the Canadian, British and American Orthopaedic associations, the Orthopaedic Research Society, the Paediatric Orthopaedic Society, the International Orthopaedic Club, and the International Society of

Salter is also a member of the board of directors of the Grenfell Labrador Medical Mission (Canada) and the International Grenfell Association (U.K., U.S. and Canada); the John Howard Society of Ontario; chairman of the Board of Trustees of Wyldcliffe Theological College; chairman of the Medical Advisory Committee, St. John Ambulance Association (Ontario); and an editorial consultant to the Canadian Journal of Surgery.

He was appointed an officer of the Order of Canada in 1977.



LILIAS M. TOWARD

Toward was born in Sydney where she received her early education. After obtaining her BA from Dalhousie, she did graduate work in education in London and at the University of Edinburgh.

During World War II, while in England, she was involved in Civil Defence planning and established rest centres that provided food and shelter to bombing victims in Wiltshire.

After returning to Canada she became the first field secretary for the Atlantic provinces of the Community Planning Association of Canada. Three years later she enrolled at Dalhousie law school and obtained her LLB and her LLM. Her master's thesis was "A Case for the Family Court of Nova Scotia," which was used later as a guide in establishing the court. In 1974, Toward was appointed a O.C.

She was in practice with R. Fisher Hudson of Baddeck and for 10 years was judge of the assessment appeal court for Inverness, Richmond and Vic-

toria counties. She was the first woman to be appointed to the Nova Scotia Planning Appeal Board and the Nova Scotia Law Reform Advisory Commission. In 1977 she was appointed chairman of the commission.

Toward was a Nova Scotia representative on the Canadian Advisory Council on the Status of Women and was national convener of the Canadian Federation of University Women's committee on the status of women and human rights.

While at law school, Toward submitted a paper on Arichat, C.B., originally prepared for the Alexander Graham Bell Ladies Club of Baddeck, of which she has been a member for more than 30 years. The paper won her the De Mille award for non-fiction offered by Dalhousie. She has written over 20 papers for the Baddeck club, one of which was "Wife of a Genius," based on the letters written by Bell's wife Mabel. The paper, which provided a vivid picture of turn-of-the-century life at Beinn Breagh, where the Bells lived, won the top award for non-fiction in a Nova Scotia Writers' Federation competition and was later published by Methuen. In 1985, CBC Radio produced a five-part serial of "Mabel Bell" based on the paper.

In 1979 Toward was appointed to the board of trustees of the Alexander Graham Bell Institute of the University College of Cape Breton and for the past three years has served as chairman.

When Toward's term as chairman of the Nova Scotia Law Reform Advisory Commission expired in 1979, she retired from law. She continues to work for the Alexander Graham Bell Institute and is researching aspects of Cape Breton history.

WHERE THE DEGREES ARE AWARDED

1985 SPRING CONVOCATIONS

Thursday, May 9 at 10 a.m., Cohn Auditorium

Faculty of Management Studies: BCorn, CPA, MBA, MPA, DipPA, MLS. To be followed by a reception in the Cohn foyer and the Sculpture Court.

Thursday, May 9 at 2 p.m., Memorial Arena

Faculty of Health Professions: BSc(Pharm), BN, BPE, BSc(Health Ed), BRec, BSc(Physio), BSc(Occup. Therapy), BSW, Dip. in Outpost and Community Health Nursing, MHSA, MN, MSc(Phys Ed, Human Communication Disorders and Pharmacy), MSW. To be followed by convocation tea at Shirreff Hall.

Friday, May 10 at 10 a.m., Memorial Arena

Faculty of Arts and Sciences (Science): BSc, BSc Hons. Cert., Dip. in Engineering, Dip. in Meteorology, MES, MSc, PhD (in science subjects including Math and Psychology). To be followed by a reception in Howe Hall.

Friday, May 10 at 2 p.m., Memorial Arena

Faculty of Arts and Science (Arts): BA, BA Hons. Cert., BEd, BMusic, BMusicEd, Cert. Costume Studies, Dip. Costume Studies, MA, MA in Teaching (French), MEd, PhD (in the Humanities, Social Sciences and Education). To be followed by convocation tea in Shirreff Hall.

Friday, May 17 at 10 a.m., Cohn Auditorium

Faculty of Medicine: MD. To be followed by a reception in the Cohn foyer and the Sculpture Court.

Wednesday, May 22 at 10:30 a.m., Cohn Auditorium

Faculty of Dentistry: Dip. in Dental Hygiene, DDS, Cert. in Periodontics, MSc (Oral Surgery). To be followed by a reception in the Cohn foyer and the Sculpture Court.

Friday, May 24 at 4 p.m., Cohn Auditorium

Faculty of Law: LLB, LLB/MBA, LL.M. To be followed by a reception in the Cohn Foyer and the Sculpture Court.

Graduation tests students' stamina

Graduation isn't just the pomp and ceremony of convocation. Along with it come a number of events designed to test the stamina and capacity of graduating students.

For example: The Final Tour Pub Crawl on May 7 will cover a good part of downtown and the better part of a night.

Sponsored by Oland Breweries and Woody's in the Holiday Inn, it begins at Lawrence of Oregon's at 4:30 p.m. Then it's on to My Secretaries at 5:30 where they have dinner specials. Sam's is next on the list at 7, then it's just a short stagger to Alexander's for the 8 p.m. bell. The final destination is the Holiday Inn's Woody's, from 9 p.m. until 2 a.m. There's free transportation to Woody's from Alexander's. For the survivors, there'll be specials on shooters and drinks.

Grads will need a Grad Week button identifying them as Dal students. The button's \$2 purchase price includes door prize vouchers for each stop, free transportation between Alexander's and Woody's and a chance to win a grand prize to be drawn at Woody's at midnight.

The President's Reception the next day (May 8) runs from 11 a.m. to 12:30 p.m. at President MacKay's residence. Families of graduates are encouraged to attend.

Late at 1 p.m. on May 8, the 1985 Class Project will be unveiled, to be followed by a reception. The location will be announced soon.

A Western Barbecue and Final Tribute to the Grawood round out the day featuring barbecued steak and salad. Tony Quinn performs in the Grawood. Hundreds of prizes will be given away. Cost is \$5 but a valid graduation passport.

Graduation passports cost \$25 and are available at the Grad Info Booth in the SUB May 7 to 10. It includes the cost of one ball ticket, boat cruise ticket, one barbecue and Grawood ticket, a pub crawl pass and a ticket on the \$500 airline travel prize.

Graduate at the Graduate, 1565 Argyle St. from 4:30 to 7:30, May 9. There will be dinner specials and a happy hour.

The Final Cruise Boat Tour, on the *Hallogian II* begins that night at 8 p.m. and ends at 10 p.m. There'll be refreshments and live music on board. Cost is \$5 or a grad passport.

Students will get a chance to recover their "land legs" while walking to the *Misty Moon* for a 10:30 p.m. to 2 a.m. bash. Further details to come.

Finally, on May 10 at 8:30 p.m., "This Magic Moment" Graduation Ball begins. The Student Union Building will be converted into a spectacular grand ballroom where Dal grads can cherish the last moments of their university career.

The evening begins at 8:30 with a Class Reception in the SUB's Green Room. At 9:30, the John Alphonse Big Band gets started, playing until 1:30 a.m. At 1 a.m., however, there's a Champagne Breakfast that lasts until 3 a.m.

Tickets are \$12 each (or a grad passport) and include a graduation wine glass as a memento. Dress is semi-formal.

Dal degree programs

Faculty of Arts and Science

Bachelor of Arts (Major 3 years, Honors 4 years)
 Bachelor of Science (Major 3 years, Honors 4 years)
 Diploma in Engineering (2 years)
 Bachelor of Education (Sequential) (1 year post BA, BSc)
 Bachelor of Education (Integrated) (4 years for BA or BSc with BEd)
 Bachelor of Music (2 years)
 Bachelor of Music Education (4 years)
 Certificate in Costume Studies (2 years)
 Diploma in Costume Studies (3 years)
 Diploma in Meteorology (1 year)
 Certificate in Educational Administration (minimum 1 year)

Faculty of Management Studies

Bachelor of Commerce (Major and Honors 4 years)
 Certificate in Public Administration (1 year)

Faculty of Health Professions

Bachelor of Physical Education (4 years)
 Bachelor of Recreation (4 years)
 Bachelor of Science in Health Education (4 years)
 Bachelor of Nursing (4 years, with previous RN, 3 years)
 Diploma in Outpost and Community Health Nursing (15 months post RN)
 Bachelor of Science in Pharmacy (4 years)
 Residency Program in Clinical Pharmacy (1 year) (post BSc Pharm)
 Bachelor of Science in Physiotherapy (3 years Physiotherapy following one year of Arts and Science or minimum 2 years post Diploma program)
 Bachelor of Science in Occupational Therapy (3 years Occupational Therapy following one year of Arts and Science)
 Bachelor of Social Work (3 years Social Work study following one year general study, a wide choice but permitted)

Faculty of Dentistry

Doctor of Dental Surgery (4 years)
 Postgraduate Certificate in Periodontics (2 years)
 Diploma in Dental Hygiene

Faculty of Law

Bachelor of Law (3 years)
 Bachelor of Laws with Master of Business Administration (4 years)

Faculty of Medicine

Doctor of Medicine (4 years)
 Intern Year (1 year)
 Residencies (various programs ranging from 2-6 years post-intern)

Faculty of Graduate Studies

Master of Arts (1 or 2 years, with thesis) in Classics, Economics, Education, English, French, German, History, Mathematics, Philosophy, Political Science, Psychology, and Sociology.
 Master of Science (1 or 2 years with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Geology, Health Education, Human Communication Disorders, Audiology or Speech Pathology, Mathematics, Microbiology, Oceanography, Oral Surgery (4 years), Pathology, Pharmacology, Pharmacy, Physical Education, Physics, Physiology and Biophysics.
 Doctor of Philosophy (2 or 3 years, with thesis) in Anatomy, Biochemistry, Biology, Chemistry, Classics, Economics, Education, English, Geology, History, Interdisciplinary Studies, Mathematics, Microbiology, Oceanography, Pharmacology, Pharmacy, Philosophy, Physics, Physiology, and Biophysics, Political Science, Psychology.
 Doctor in the Science of Law (2 or 3 years, with thesis)
 Master of Arts in Teaching (French) (2 years)
 Master of Business Administration (2 years)
 Master of Education (1 year)
 Master of Environmental Studies (1 or 2 years)
 Master of Laws (1 year)
 Master of Library Service (2 years)
 Master of Public Administration (2 years)
 Master of Development Economics (2 years)
 Master of Nursing (2 years)
 Master of Social Work (1 or 2 years)
 Diploma in Public Administration (1 year)
 Master of Business Administration with Bachelor of Laws (4 years)
 Master of Science in Oral Surgery (4 years)
 Doctor of Medicine — (4 years)
 Intern Year — (1 year)

WHAT DO THE COLORS MEAN

Graduates of Dalhousie University are entitled to wear academic gowns and hoods. The distinctive part of the costume is the lining of the hood, which varies according to the degree of the wearer. Following are the degrees awarded at Dalhousie and their corresponding hoods:

- BA, Bachelor of Arts** — White silk border with white fur.
- MA, Masters of Arts** — Crimson silk.
- BSc, Bachelor of Science** — White silk bordered with scarlet silk.
- BSc (Agriculture), Bachelor of Science, Agriculture** — White silk bordered with royal blue and gold silk.
- BSc (Engineering Physics), Bachelor of Science, Engineering and Physics** — As for BSc, but with border of double width.
- BSc (Occupational Therapy), Bachelor of Science, Occupational Therapy** — Peacock satin bordered with crimson satin.
- BPh, Bachelor of Pharmacy** — White silk bordered with purple silk.
- BSc (Physiotherapy), Bachelor of Science in Physiotherapy** — White silk bordered with scarlet and gold silk.
- MSc, Master of Science** — Scarlet silk.
- BN, Bachelor of Nursing** — White silk bordered with royal blue silk.
- MN, Master of Nursing** — Apricot silk.
- BRec, Bachelor of Recreation** — Yellow silk bordered with forest green silk.
- BEd, Bachelor of Education** — Dark blue silk bordered with white silk.
- MEd, Master of Education** — Royal blue silk.
- BMusEd, Bachelor of Music Education** — Lavender silk bordered with white silk.
- BComm, Bachelor of Commerce** — White silk bordered with light blue silk.
- MBA, Master of Business Administration** — Turquoise silk.
- MDE, Master of Development Economics** — Medium blue silk bordered with red scarlet silk.
- MLS, Master of Library Science** — Mid-forest green silk.
- MPA, Master of Public Administration** — Sky blue silk.
- BSW, Bachelor of Social Work** — Gold silk bordered with white silk.
- MSW, Master of Social Work** — Citron silk.
- L.L.B., Bachelor of Laws** — White silk bordered with gold silk.
- MD, Doctor of Medicine** — Scarlet silk bordered with white silk.
- DDS, Doctor of Dental Surgery** — Scarlet silk bordered with gold silk.
- PhD, Doctor of Philosophy** — Entitled to wear a gown of black stuff faced with yellow silk. The hood is of black corded silk with lining of yellow silk and of the Cambridge design. The birretum is the doctor's bonnet of black velvet with yellow cord.
- L.L.D., Doctor of Laws (Honorary Degree)** — For full dress, a gown of scarlet cloth, with loose and open sleeves, the facing down the front and around the shoulders covered with black silk. The hood is of scarlet cloth lined with black silk and of the Cambridge design. The birretum is the doctor's bonnet of black velvet with gold cord.

Boom year for Conference Centre

Dalhousie will host at least 5,000 conference delegates this summer.

That's about 1,400 more people than last summer and 3,000 more than 1983.

Most of this year's visitors will attend conferences at Dalhousie and about 900 will use Dal residences as overnight accommodation. Another 500 people will take part in residence programs.

Also, more than 3,000 junior high and high school students will invade the campus during the Children's Festival of Nova Scotia, a circus-like, three-day celebration in late May that will include clowns, mimics, marionettes and other circus performers. In addition to on-stage performances in the Cohn Auditorium and the Dunn Theatre, the performers will take their acts into the Arts Centre lobby and the University Avenue boulevard in front of the Arts Centre and the Student Union Building.

Conference co-ordinator Sheila Fougere says "things are looking pretty good."

Two Dal students win Stirling

Two Dalhousie students will spend next year at Stirling University in Scotland as winners of the Stirling Exchange scholarship program.

Reginald Landy, a third-year psychology and philosophy student, and Richard Gallant, a third-year biology and economics student, will leave in September for a year at Stirling in exchange. Two Stirling students (English majors Colin Lumb and Andrew Hughes) will enrol at Dal.

The program, now in its fifth year, gives students a chance to experience another culture while continuing their studies.

"We're very heavily booked for May and June but not so in July and August." This is typical, however, of the situation around the Atlantic region.

"Other universities report their July and August business as being quite slack, so in comparison, we're holding our own."

"Dalhousie more than held its own last summer with 34,343 bed-nights (a bed-night is a measurement of people accommodated each day), more than any of the 14 other institutions in the region. Although the actual number of delegates was lower, they stayed longer.

However, next summer does not look as good, Fougere says, and it's a region-wide trend. "We only have three conferences booked, on top of our regular summer business." But that number should rise as the summer goes on.

"What it means is we really have to get out there and do a selling job, and we will." *SAW*

Stirling University was chosen, says program co-ordinator and English professor James Gray, because the university is similar to Dalhousie. Although Stirling has no professional schools, its arts and science faculty is about the same size as Dal's — 4,000 students.

Landy and Gallant were chosen not only for their academic achievements, but for their diplomacy, character and their involvement in university and extra-curricular activities.

The scholarship covers the cost of room and board (they'll stay in university residences) but the students pay their home university's tuition and their travel costs.

KILLAM LECTURES TO PROBE HEALTH-CARE ETHICS

The theme of the 1985 series of Dorothy J. Killam Memorial Lectures will be "Moral and Ethical Aspects of Health Care" and already the three lecturers have been confirmed.

The Killam lecturers are:

Oct. 10: Dr. Robert Evans, professor of economics at the University of British Columbia. His topic: By what warrant? Ethical bases of intervention in medicine and economics.

Oct. 17: Dr. Vivian Rakoff, professor

and chairman of the department of psychiatry at the University of Toronto. His topic: High technology, will, ethics and medicine.

Oct. 24: Dr. Edmund Pellegrino, director of the Kennedy Institute of Ethics and the John Carroll professor of medicine and medical humanities at Georgetown University, Washington, D.C. His topic will be announced later.

All the lectures will begin at 8 p.m. in the Cohn auditorium.

HISTORIC OCCASION: DAL'S FIRST 'AGGIES'

The first BSc (Agriculture) degrees to be conferred since Dalhousie and the Nova Scotia Agricultural College in Truro joined forces through an affiliation agreement, signed earlier this year, were awarded at the college's convocation May 1.

Dal president W. Andrew MacKay gave the convocation address to what

college principal Herbert MacRae calls "quite an exceptional class."

Forty-three graduates — 22 of them women — received the first joint Dal-NSAC degrees in the major areas of agricultural economics, animal science, plant protection and plant science.

E.E. Arnfast, of Truro, won the Governor General's medal and the award as athlete of the year.

CONFERENCES AT DAL THIS SUMMER

- British Columbia exchange students, April 26 - 28
- Visiting high school chemistry students, April 28 - May 4
- Royal Life Saving Society, May 1 - 5
- Bathurst Heights Secondary School, May 2 - 9
- Nova Scotia Youth Parliament, May 3 - 5
- 1985 Banking Management Program, May 5 - 17
- Advanced Management Program, May 5 - June 21
- Nova Scotia High School Drama Festival, May 8 - 12
- High School Supervisors, May 9 - 10
- 1985 Alumni Reunions, May 9 - 13
- International Institute for Conservation, May 12 - 20
- Atlantic Provinces Association of Chartered Accountants, May 12 - July 27
- Municipal Administration Program, May 19 - 24
- Canadian Society of Respiratory Technology, May 19 - 25
- Canadian Society of Applied Math, May 22 - 25
- Thompson Junior High School, May 22 - 25
- Children's Festival of Nova Scotia, May 22 - 26
- Harvey High School, May 23 - May 25
- Planned Parenthood Association, May 24 - 26
- Girl Guide Leaders of Canada, May 24 - 26
- Scotia Festival of Music, May 25 - June 9
- Canadian Society for Computational Studies of Intelligence, May 27 - 30
- True North Training Camp, June 1 - Aug. 24
- Municipal Administration Program, June 2 - 7
- International Symposium on Nuclear Analytical Chemistry, June 4 - 7
- Pleasant Corners Public School, June 5 - 7
- Canadian Psychological Association, June 5 - 9
- College of Family Physicians, June 6 - 9
- Canadian Society of Microbiologists, June 9 - 13
- International Ocean Institute Program, June 14 - Aug. 23
- Mini Course on the Canadian Charter of Rights, June 15 - 20
- Associated Homes for Special Care, June 23 - 26
- University of Maine at Orono, June 23 - 26
- Canadian Figure Skating Regional Training Camp, June 23 - July 29
- Dance in Canada, June 26 - 30
- Belair Cricket Club, June 28 - July 1
- Choir of Christ Church Cathedral, Vancouver, June 29 - July 1
- Institute for Resource and Environmental Studies, June 29 - July 19
- 1985 Elderhostel Program, June 30 - July 6
- 1985 Elderhostel Program, July 7 - July 13
- Canadian Esperanto Congress, July 12 - 15
- 1985 Summer Orientation Program, July 13 - 15
- 1985 Elderhostel Program, July 14 - July 20
- The Group Modelling Agency Summer Program, July 14 - 20
- 1985 Summer Orientation Program, July 20 - 23
- The Group Modelling Agency Summer Program, July 21 - 27
- 1985 Summer Orientation Program, July 24 - 26
- Doane Raymond Finalist Seminar, Aug. 4 - 9
- 1985 Summer Orientation Program, Aug. 7 - 9
- The Group Modelling Agency Summer Program, Aug. 11 - 17
- 1985 Summer Orientation Program, Aug. 14 - 16
- Canadian Bar Association, Aug. 16 - 23
- The Group Modelling Agency Summer Program, Aug. 18 - 24

NOTE: Some of the groups listed above are booked for residence rooms only.

International Conferences Welcome

Be a part of our Nova Scotian Convention Team by encouraging your affiliated national and international groups to meet at the *World Trade and Convention Centre*.

For more information contact Fred Bogden, Director of Marketing for the WTCC, 423-6433.

Matters under discussion

SENATE ADVISORY COMMITTEE ON COMPUTING

On Feb. 28 the committee approved the following motion: The Senate Advisory Committee on Computing approves in principle the NOVANET proposal and its implementation, subject to funds becoming available. The committee should continue to be advised of the progress made towards implementing the proposal and it urges the presidents of the universities in the Halifax metro area to seek funds to implement the proposal as soon as possible.

On March 13, the committee approved the following motion: The Senate Advisory Committee on Computing approves in principle the Courseware Project of the School of Business Administration on the understanding that the capital cost will be essentially covered by manufacturers' discounts and contributions to Dalhousie's capital campaign, and the additional operating cost will be incorporated in increased budgets for the School of Business Administration and University Computing and Information Services, insofar as these are approved.

On March 27, the committee approved the following statement being sent to Senate: Computers are rapidly being integrated into all sectors of society and in all disciplines at leading Canadian and American universities. If Dalhousie is to maintain its position as a first rank university, recruit and retain leading scholars in the humanities, social and physical sciences, and serve the evolving needs of Maritime students and society, it is essential that state-of-the-art academic computing facilities be available to all sectors of the Dalhousie community. It is clear that the amount of operating revenue spent by other Canadian universities of Dalhousie's size and stature is a significantly larger proportion of their operating budget than at Dalhousie. As a consequence the quality of computing services at Dalhousie has fallen seriously behind other comparable universities. The Senate Advisory Committee on Computing believes good quality services are very important for the university and thus feels that Dalhousie should give a high priority to the development of computing facilities and services along the lines suggested in a three-year plan recently prepared by University Computing and Information Services. The committee passed the following motion at its March 13 meeting: The committee approves in principle the three-year plan to develop University Computing and Information Services for Dalhousie University which includes:

- (i) The acquisition of an IBM-compatible system to run major administrative applications;
- (ii) The strengthening of communications and hardware services;
- (iii) The acquisition of a replacement for the Cyber 730 to enhance academic/research computing;
- (iv) The gradual extension of support by University Computing and Information Services for distributed computing;
- (v) The strengthening of Academic and Administrative Computing Support Services; and

(vi) The appointment of a director for Academic Computing Services and a director for Administrative Computing Services.

It is understood that these developments are contingent on the necessary capital funds becoming available, on approval of the necessary increases in operating budgets, and on agreements with users and other providers of related services within Dalhousie University to ensure that common needs are met and services are not duplicated.

Additional funds are being requested and the plan suggests that the university should, by 1987-88, be spending approximately \$3.7 million per annum on its centrally supported computing and information services compared with the \$1.4 million it currently spends.

On March 27, the committee approved the following motion: Recognizing the critical importance of basic computing facilities to academic programs in Computing Science, including both research and instruction, and in light of the current uncertainty regarding NSERC major equipment funding, the Senate Advisory Committee on Computing recommends that in the event that NSERC funds have not been assured for the purchase of the VAX 780 computer for research use by Mathematics, Statistics and Computing Science, and unless preferable arrangements have been made to retain this computer for Dalhousie (including such steps as (i) entering the free lease period, (ii) extending into a short-term paid lease arrangement) the purchase of this VAX 780 be considered the first priority for funding from the portion of the capital campaign designated for computers.

The recommendations were tabled at the April 8 Senate meeting, having been submitted by Dr. Robert S. Rodger, chairman of the Senate Advisory Committee on Computing. Dr. Rodger has been appointed by the committee as its permanent delegate to the University Campaign Committee, pursuant to the proposals approved by Senate at its March 25 meeting.

SENATE PHYSICAL PLANNING COMMITTEE

At its last two meetings, the committee considered the priorities among both "major" and "minor" building requests. The committee considered (1) the various presentations made in person by report or by letter; (2) the Environmental Consulting Services report; (3) the April 1984 Senate decision of increased commitment to continuing education; and (4) discussion with vice-presidents Shaw and Sinclair and assistant vice-president Fournier concerning the roles of centres and institutes and the capital fund campaign. Some information remains to be completed: (1) the cost estimates for the renovations of the houses for continuing education-IPA; (2) information regarding possible lower cost solutions to space problems in the Faculty of Law. It is, therefore, not possible at this time to make firm the order of priorities and starting dates beyond the three initial projects.

The committee reached the fol-

lowing decisions:

1. That the building priorities be as follows:

(a) All phases of Chemistry;
(b) Renovations of the Old Archives Building to house the Department of Mathematics, Statistics and Computing Science;

(c) Continuing Education-IPA Phase 1 and 2 to start in the very near future.

2. That some smaller projects could be completed within the first three years, as limitations on starting and completing major projects will probably prohibit an even distribution of the \$2 million per year from the government of Nova Scotia. The specifics of the "mini-project" priorities require further consideration.

3. That the remaining projects and amounts designated for them will be given final priority following consideration of further information. At this time the committee ranks the projects in the following priority:

A. Faculty of Law/Department of Geology.

B. School of Business Administration.

C. Centre for Marine Geology.

The committee was definite in this priority setting with the needs of Law and Geology clearly more urgent than those of Business Administration and Marine Geology. The needs of Law and Geology are very different in scope. The committee urges prompt resolution of the needs of Geology to prevent further hampering of their operation. The space requirements of the Faculty of Law have very serious implications for the faculty's ability to provide a quality academic program. The committee was unanimous in its recognition of the short and long term needs of Law having major academic implications.

4. That the needs of the Department of Geology are pressing and require solution of a serious ongoing problem. If the only solution is to increase the space in the Life Sciences Centre, that construction will be further prioritized among the remaining projects.

5. That a small amount of "seed money" (not specified at this time) could be designated for expansion of the Life Sciences Centre so that industry could see that the university recognizes the international excellence of the work by the Centre for Marine Geology and, hopefully, thereby be moved to make significant contributions to the capital campaign.

6. That student housing not be listed among the priorities until the source of funding for housing is clarified by the government of Nova Scotia.

The committee made these decisions with the understanding that a portion of this year's funding will be designated for Alterations and Renovations and that most of the building projects (excluding Chemistry Phase 1 and 2) do not represent a further drain on ongoing maintenance because the major aspects of projects are renovations of existing university space.

The committee's report was distributed at the April 8 meeting of Senate.

FROM THE FACULTIES

Arts and Science, March 12

Slate for Associate Deanship Advisory Committee

The secretary, Professor Alan Andrews, reported that faculty council had discussed the membership of the committee and had brought forward a slate. On behalf of council, he moved, seconded by Prof. Treves-Gold, that the following be appointed to the committee: C.A. Field (Math, Stats and CS); T.A. Laidlaw (Education); P.A. Lane (Biology); J.A. Wainwright (English).

January admissions.

The secretary said that the recommendation concerning admission of first-year students to a full-time degree program in January, had emanated from the Admissions Committee. Prof. Baxter, chairman of the Admissions Committee, said the committee had carried out a survey and found that of the 34 second term half-classes, 21 were upper-level classes. Of the remaining 13, two were the same class cross-listed between Mathematics and Economics, and two were in Commerce. Six of the remaining ten were in Philosophy, two in Math and one each in Spanish and Physics. The classes in Math were already over-subscribed by students in course, and only one of those in Philosophy was listed as a first-year class. In view of this, he moved that the practice of admitting first-year students to a full-time degree program beginning in January be discontinued, effective January 1986.

Report of the Ad Hoc Committee on the Curriculum

Following discussion, it was agreed that the Faculty of Arts and Science invite the Dean of Continuing Education in co-operation with Learning Resources to develop a teaching manual and other suitable materials and programs to support those who elect to teach in the summer school.

It was also agreed to invite the Deans of Continuing Education to consult with departments about how to carry out timetabling, registration and advising, so as to best serve the needs of those students enrolling in summer school or taking evening classes.

Faculty Council of Health Professions, March 21.

Ad Hoc Committee on Computing.

The names of Dr. Joan Cummings, Maritime School of Social Work, and Dr. Peter Ruderman, Health Services Administration, were forwarded as members of this committee. Dean Tonks said he would convene the committee and provide them with terms of reference. He also said that Peter Jones, executive director of University Computing Information Services, was keen to meet the committee soon in an attempt to resolve the faculty's computer teaching needs and location somewhere on the Carleton Campus.

Appointment Committee for a new director of the Maritime School of Social Work.

Council agreed to appoint the following to the committee: Dr. Barbara Keddy (Health Professions); Dr. Douglas Myers (Part-time Studies and Continuing Education); Elizabeth Frick (Management Studies); and Prof. Richard Williams (Social Work).

Almanac 1985-86

MAY

MONDAY, 13: Summer School (first session) registration and classes begin.

Senate meeting to consider candidates in the award of degrees in Medicine, Spring 1985.

THURSDAY, 16: Last day for cancelling registration in "A" classes, first summer session.

FRIDAY, 17: Last day for cancelling registration in "R" or "C" classes, first summer session.
University Convocation (Medicine).

Senate meeting to consider candidates for the award of degrees in Law and Dentistry, Spring 1985.

SUNDAY, 19 — TUESDAY, 21: Post-college assembly, Dentistry.

MONDAY, 20: Victoria Day

WEDNESDAY, 22: University Convocation (Dentistry and Graduate Studies).

FRIDAY, 24: University Convocation (Law and Graduate Studies).

TUESDAY, 28: Last day for withdrawing without academic penalty from "A" classes, first summer session.

JUNE

TUESDAY, 4: Last day for withdrawing from "A" classes, first summer session.

MONDAY, 10: Last day for withdrawing without academic penalty from "R" or "C" classes, first summer session. Last day for cancelling registration in "B" classes, first summer session.

WEDNESDAY, 12: Intern training begins, Medicine.

WEDNESDAY, 19: Last day for withdrawing without academic penalty from "B" classes, first summer session.

TUESDAY, 25: Last day for withdrawing from "B," "R" or "C" classes, first summer session.
Summer School ends (first session).

FRIDAY, 28: Last regular day for registration of post-graduate Medical Residents is June 28, 1985.
Last day to apply for supplemental examinations in Law.

JULY

MONDAY, 1: Canada Day.

Resident Training begins, Medicine.
Postgraduate Medicine Residency programs commence.

TUESDAY, 2: Level III fieldwork begins, School of Occupational Therapy.

Summer School (second session) registration and classes begin.

FRIDAY, 5: Last day for cancelling registration in "A" classes, second summer session.

MONDAY, 8: Last day for cancelling registration in "R" or "C" classes, second summer session.

TUESDAY, 9: Supplemental and special examinations begin, Law.

WEDNESDAY, 10: Last day to apply for supplemental examinations in Arts and Science, Health Professions and Management Studies (does not apply to Graduate Studies) (to be written in August or September).

MONDAY, 15: Last day to apply for supplemental examinations in Dentistry and Dental Hygiene.

TUESDAY, 16: Last day for withdrawing without academic penalty from "A" classes, second summer session.

FRIDAY, 19: Supplemental and special examinations end, Law.

TUESDAY, 23: Last day for withdrawing from "A" classes, second summer session.

MONDAY, 29: Fieldwork Level I begins, School of Occupational Therapy.

Last day for withdrawing without academic penalty from "R" or "C" classes, second summer session.

Last day for cancelling registration in "B" classes, second summer session.

AUGUST

THURSDAY, 1: Last day for receipt of application for admission to Arts and Science for fall term.

MONDAY, 5: Halifax Natal Day and Dartmouth Natal Day — No Classes.

WEDNESDAY, 7: Supplemental examinations begin in Health Professions and Management Studies.

THURSDAY, 8: Last day for withdrawing without academic penalty from "B" classes, second summer session.

FRIDAY, 9: Last day for those expecting PhD degrees in October to submit unbound theses to departments.

WEDNESDAY, 14: Final day of classes, Summer School.

THURSDAY, 15: Supplemental examinations begin in Dentistry and Dental Hygiene.

WEDNESDAY, 28: First year MBA orientation begins.

SEPTEMBER

MONDAY, 2: Labor Day.

TUESDAY, 3: Supplemental examinations begin, Arts and Science.

Registration ends in Law and Library Service.
Registration ends and classes begin in Medicine, School of Human Communication Disorders, MBA, Dentistry, Dental Hygiene, Outpost Nursing.

WEDNESDAY, 4: Classes begin in Library Service and Law.

WEDNESDAY, 4 — SATURDAY noon, 7: Last regular days for class approval, registration, and payment of fees for students in Arts and Science, Health Professions, Graduate Studies, Management Studies.

FRIDAY, 6: Last day for those expecting Masters degrees in October to submit unbound theses to departments.

MONDAY, 9: Classes begin in Arts and Science, Health Professions Graduate Studies (unless otherwise specified), Management Studies.

FRIDAY, 13: Last day for adding or changing a Fall or full-year class, Law.

FRIDAY, 20: Last day for changing classes, School of Library Service. Last day for those expecting to receive a graduate degree in October to submit approved unbound copies of theses to Faculty of Graduate Studies Office.

Last day for adding classes (except "B" classes), Arts and Science, Health Professions and Management Studies.

MONDAY, 30: Last day for cancelling registration: Faculties of Arts and Science, Health Professions and Management Studies.

OCTOBER

FRIDAY, 4: Last day for withdrawing from "A," "R" or "C" classes without academic penalty, Management Studies.

MONDAY, 14: Thanksgiving Day.

SATURDAY, 19: Fall convocation.

NOVEMBER

FRIDAY, 1: Last day for withdrawing from "A," "R" or "C" classes with a grade of "W," Management Studies.

MONDAY, 11: Remembrance Day.

TUESDAY, 12: Last day for withdrawing from "A" classes without academic penalty, Arts and Science and Health Professions.

FRIDAY, 15: Last day for receipt of application for admission to Arts and Science for winter term.

Last day for those expecting PhD degree by approval of Senate in February to submit unbound theses to departments.

MONDAY, 18: Last day for withdrawing from "A" classes without academic penalty, Graduate Studies.

FRIDAY, 29: Last day to change status (PT to FT or FT to PT), Graduate Studies.

DECEMBER

MONDAY, 2: Last day to apply for intern training, Medicine.

THURSDAY, 5: Last day of classes in Arts and Science, Health Professions and Management Studies.

FRIDAY, 6: Last day of classes, Law (all years).

SATURDAY, 7: Examinations begin in Law (second and third years).

MONDAY, 9: Examinations begin in Arts and Science, Health Professions and Management Studies.

TUESDAY, 10: Examinations begin in Law (first year).
Last day of classes, School of Library Service.

WEDNESDAY, 11: Examinations begin, School of Library Service.

FRIDAY, 13: Classes end, Dentistry (first, second and third years) and Dental Hygiene (first and second years).

Last day for those expecting Masters degrees by approval of Senate in February to submit unbound theses to departments.

MONDAY, 16: Examinations begin, Dentistry (first, second and third years), Dental Hygiene (first and second years).

WEDNESDAY, 18: Holidays begin.

FRIDAY, 20: Last day of classes in Dentistry (fourth year).

WEDNESDAY, 25: Christmas Day.

THURSDAY, 26: Boxing Day.

The last working day before December 31 is the deadline for submission of approved unbound copies of theses to the Faculty of Graduate Studies Office by those expecting to receive a graduate degree by approval of Senate in February.

JANUARY 1986

WEDNESDAY, 1: New Year's Day.

THURSDAY, 2: Registration of new students (not applicable to Graduate Studies), Classes resume.

Fieldwork (4th year) begins, School of Occupational Therapy.

TUESDAY, 7: Last day for adding or changing spring term classes, Law.

FRIDAY, 10: Last day for adding "B" (or second term) classes, Arts and Science, Health Professions and Management Studies.

WEDNESDAY, 15: Last day for cancelling registration, those registered only in "B" classes.

WEDNESDAY, 22: Last day for withdrawing from full-year classes, without academic penalty, Arts and Science and Health Professions.

FRIDAY, 24: Last day for withdrawing from "B" classes without academic penalty, Management Studies.

Last day for students in Arts and Science, Health Professions and Management Studies to apply for supplemental examinations "A" classes (does not apply to Graduate Studies).

FRIDAY, 31: Last day for withdrawing from full-year classes without academic penalty, Graduate Studies.

FEBRUARY

SATURDAY, 1: Winter Carnival, No classes.

FRIDAY, 7: Munro Day, No classes.

MONDAY, 10: Supplemental examinations begin, Arts and Science and Management Studies.

FRIDAY, 21: Last day, for withdrawing from "B" classes with a grade of "W," Management Studies.

MONDAY, 24: Study break begins.

WEDNESDAY, 26: Last day for those expecting PhD degrees in May to submit unbound theses to departments.

MARCH

MONDAY, 3: Classes resume.

FRIDAY, 7: Last day for withdrawing from "B" classes without academic penalty, Arts and Science, Health Professions and Graduate Studies.

FRIDAY, 28: Good Friday.

MONDAY, 31: Last day for those expecting Masters degrees in May to submit unbound theses to departments.

APRIL

SATURDAY, 5: Last day of classes in Arts and Science, Health Professions, (except 4th year Occupational Therapy) Management Studies and Graduate Studies.

MONDAY, 7: Examinations begin in Arts and Science, Health Professions, Graduate Studies and Management Studies.

FRIDAY, 11: Last day for those expecting to receive a graduate degree in May to submit unbound copies of theses to Faculty of Graduate Studies Office.

Last day of classes in Law (all years), Library Service, Occupational Therapy (4th year).

SATURDAY, 12: Examinations begin, Library Service.

FRIDAY, 18: Examinations begin, Law (second and third years).

Last day of classes in Dentistry (third and fourth years), Dental Hygiene (first and second years).

PLAN CHANGE

Dalhousie has made a change in enrolment procedure, effective May 1, 1985, for staff who want to join the plan as late applicants. New employees are eligible to join the plan within 31 days of their date of employment and this rule remains in effect. Up until now, employees who didn't enrol when first eligible, were permitted to participate at any time. Blue Cross has advocated a major revision to their health contracts by eliminating enrolment of late applicants without their approval of satisfactory evidence of health as provided through the submission of a statement of health application form.

After reviewing this matter the

employees benefits committee, has arranged an alternate procedure with Blue Cross. Effective May 1, 1985, any staff member who is at present not a member of the Blue Cross Medical plan, will be permitted to enrol in the program without the requirement of the statement of health application form but only during one open enrolment period each year. This open enrolment period will take place annually in September.

The addition of new dependents to the plan through marriage and birth will not be affected by this change in procedure. The Insurance and Employee Benefits office will handle these changes in status as they occur.

MONDAY, 21: Summer clinical practicum begins in the School of Nursing (for basic degree students only), first, second and third year, 6 weeks, and School of Physiotherapy (second year).

Summer clinical practicum begins, School of Physiotherapy (third year) (18 weeks).

Examinations begin, Dentistry (third and fourth years), Dental Hygiene (first and second years).

MONDAY, 28: Third term for Dentistry (third year) begins.

MAY

Senate meets to consider the award of degrees, Spring 1986 (dates to be confirmed).

SATURDAY, 3: Examinations end, Law.

MONDAY, 5: Level I fieldwork (second year, 4 weeks) and Level II fieldwork (third year, 8 weeks) begins, School of Occupational Therapy.

THURSDAY, 8: University Convocation, Management Studies, Health Professions and Graduate Studies.

FRIDAY, 9: University Convocation, Arts and Science and Graduate Studies.

End of year, Dentistry (fourth year).

MONDAY, 12: Summer School (first session) registration and classes begin.

THURSDAY, 15: Last day for cancelling first summer session registration in "A" classes.

FRIDAY, 16: University Convocation (Medicine). Last day for cancelling first summer session registration in "C" or "R" classes.

SUNDAY, 18 - TUESDAY, 20: Post-College Assembly, Dentistry.

MONDAY, 19: Victoria Day.

TUESDAY, 20: Examinations begin, Dentistry (first and second years) and Dental Hygiene (first year), not

WEDNESDAY, 21: University Convocation (Dentistry and Graduate Studies).

FRIDAY, 23: University Convocation (Law and Graduate Studies). Last day of classes, Dentistry (first and second years).

MONDAY, 26: Examinations begin, Dentistry (first and second years).

TUESDAY, 27: Last day for withdrawing without academic penalty from "A" classes first summer session.

FRIDAY, 30: End of year, Dental Hygiene (first year).

JUNE

TUESDAY, 3: Last day for withdrawing from "A" classes first summer session.

MONDAY, 9: Last day for withdrawing without academic penalty from "R" and "C" classes first summer session.

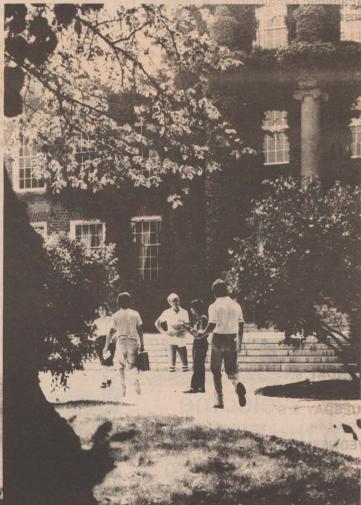
Last day for cancelling registration in "B" classes first summer session.

WEDNESDAY, 11: Internship year begins.

WEDNESDAY, 18: Last day for withdrawing without academic penalty from "B" classes, first summer session.

TUESDAY, 24: Summer School ends (first session). Last day for withdrawing from "B," "R" or "C" classes: first summer session.

FRIDAY, 27: End of year Dentistry (third year).





Meet Dal's senior executive. From left, back row, D.I. Bennett, dean of dentistry; Robert Tonks, dean of health professions; Donald Betts, dean of arts and science; Ken Lefkoff, dean of graduate studies; Michael Cross, dean of continuing education; Norman Horrocks, dean of

management studies; front row, Donald Hatcher, dean of medicine; Alasdair Sinclair, vice-president, academics; Andrew MacKay, president of Dalhousie; Robbie Shaw, vice-president, finance and development and William Charles, dean of law. (Carlos photo)



Welcome
to the classes of

- | | |
|------|------|
| 1925 | 1950 |
| 1930 | 1955 |
| 1935 | 1960 |
| 1940 | 1965 |
| 1945 | 1970 |

Dalhousie University
May 10-12, 1985

Program

Friday, May 10

Morning

Registration - 8 a.m. to 12 noon
Lobby, Student Union Building (SUB)
6136 University Avenue, or
Alumni House - 12 noon to 5 p.m.
6250 South Street

Dal Bus Tour - 9 a.m. to 10:15 a.m.
Lobby, SUB

Coffee Break - 10:15 a.m. to 10:45 a.m.
Sponsored by the Dalhousie Alumni
Association
Room 224, SUB

Noon

Lunch - 12:30 p.m. - 1 p.m.
Main Dining Room, Howe Hall

Arts and Science Convocation - 2 p.m.
Dalplex

or
Individual Building Tours

or
Films, Room 100, SUB

Evening

Lobster Boil Dinner - 7:30 p.m.
Sponsored by Student Athletics
Faculty Club
(Steak substitute)

Saturday, May 11

Morning

Morning Swim - 8 to 8:50 a.m.
Dalplex

Art Gallery - 10 a.m. to 12 noon

Arts Centre, 6101 University Avenue
Stephen Parrish and Charles A. Platt:
Nova Scotia and New Brunswick
Views

Selections from the Permanent
Collection: Women Artists

Reception - 11:30 a.m. to 12:15 p.m.
President's Home, 1460 Oxford Street

Noon

Class Lunch - 12:30 - 2:15 p.m.
Main Dining Room, Howe Hall

Harbor Cruise - 3 to 5 p.m.

or

Utilize Dalplex Facilities
(Swimming, Tennis, Squash,
Racquetball, Jogging, Weight Training)

Evening

Reception - 7 to 8 p.m.
Green Room, SUB

Annual Dinner - 8 to 10:30 p.m.
McInnes Room, SUB

Guest Speaker: Sandra (Fraser) Gwyn

Piano Bar Reception - 10:30 p.m. to 12:30
a.m.
Green Room, SUB

Sunday, May 12

Morning

Morning Swim - 8 a.m.
Dalplex

President's Luncheon - 12:30 for 1 p.m.
Shirreff Hall

For further information, phone the Alumni Office,
424-2071.

Academic Notes

GEOPHYSICISTS SCHOLARSHIPS

The Canadian Society of Exploration Geophysicists Trust Fund offers scholarships to students pursuing studies towards a career in exploration geophysics, in industry teaching and research.

Undergraduate students with above average grades or graduate students may apply.

Deadline for applications is June 30, 1985. For information and applications write to: Scholarship Committee, Canadian Society of Exploration Geophysicists Trust Fund, 229, 640 - 5th Avenue S.W., Calgary, Alta., T2P 3G4.

NATIVE LAW SCHOLARSHIPS

The federal Justice Department, offers scholarships to Metis and non-status Indian students who want to attend law school in 1985-86.

The scholarships include the cost of an eight-week pre-law orientation program held at the University of Saskatchewan, Saskatoon.

There are 10, three-year scholarships available which pay a monthly living allowance, textbook and travel allowances, necessary moving expenses and law school tuition-fees. Other financing is also available.

May 12, 1985 is the application deadline. For applications contact Eddie Gardner, Chief, Native Programs, Dept. of Justice, Justice Building, Ottawa, Ont., K1A 0H8. Phone (613) 996-9649.

CHARLES AND DI SCHOLARSHIP

A \$2,000 scholarship to commemorate the 1981 marriage of Prince Charles and Lady Diana is available to a disabled Nova Scotian planning to undertake graduate or post-graduate work. It is sponsored by the province of Nova Scotia.

Applicants must not be eligible for assistance under the Vocational Rehabilitation and Disabled Persons program.

Applications will be accepted until June 15, 1985. Contact Diana Lee Dalton, Secretary to the Selection Committee, Executive Council Office, Howe Building, P.O. Box 1617, Halifax, N.S., B3J 2X3. Phone (902) 424-8910.

LIBRARY PROF SPEAKS AT US CONFERENCE

Mary Dykstra, an associate professor with the School of Library Services, discussed "Precis" recently at the Symposium on Subject Analysis sponsored by the School of Library and Information Sciences of the North Carolina Central University, Durham, N.C.

VINING WINS CHEMICAL INSTITUTE AWARD

Dalhousie biology professor Leo Vining has won the John Labatt Lecture Award of the Chemical Institute of Canada.

The \$1,000 honorarium with the award, and a scroll, recognizes outstanding achievement in the field of biochemical or organic chemical research with particular emphasis on biological systems.

Vining, who joined Dal 14 years ago, will receive the award June 2 at the opening ceremonies 68th Canadian Chemical Conference at Queen's University in Kingston, Ont., where he will deliver a lecture on "Antibiotics and Biotechnology."

HORROCKS APPOINTED ABSTRACT DIRECTOR

Norman Horrocks, director of the School of Library Science, was appointed recently to the board of directors of Documentation Abstracts Inc. of New York, publishers of *Information Science Abstracts*.

ISA was founded in 1966 by the American Society for Information Science, the Division of Chemical Information of the American Chemical Society and the Special Libraries Association.

In addition to this appointment, Horrocks is on numerous editorial boards. He is a contributing editor to *Quill & Quire* and editor of the Occasional papers series issued by Dal libraries and the library school.

GUIDE TO GOVERNMENT UPDATED

A Guide to Local Government in Nova Scotia has been updated by the Institute of Public Affairs.

The guide, edited by former IPA director Kell Antoft, is used primarily by local Nova Scotia councils. It was sponsored by the Union of Nova Scotia Municipalities, the Department of Municipal Affairs, and the Maritime Municipal Training and Development Council.

The guide costs \$14.95 (soft cover) or \$24.95 (hard cover) and is available at the IPA, 6209 University Ave. Phone 424-2526.

ROZOVSKY WILL LECTURE AT HARVARD

Halifax lawyer Lorne Rozovsky, QC, will deliver a lecture this month on "Hospital Law Trends in Canada," at Harvard University.

Rozovsky, an adjunct professor of law and medicine and a lecturer in dentistry at Dal, is with the law firm of Kitz Matheson. He will participate in a medical-legal forum organized by Harvard's schools of public health and medicine.

His lecture, to be presented by hospital attorneys and members of health law committees, concerns the changing law of consent to treatment in Canada, legislative developments dealing with medical staff privileges and malpractice.

Rozovsky has written more than 250 articles on health law and has lectured throughout Canada, the U.S., Europe, the West Indies and Africa.

MEMORIAL SCHOLARSHIP SET UP

An endowment fund has been set up in the memory of two geology department graduates killed in a mining accident last December.

Ian J. MacEachern (BSc '82), a part-time Masters in Science student, at Dal and Mark Anthony Peter Ponford (BSc Hons '83) were killed when the trench they were working in collapsed.

Donations to the MacEachern-Ponford can be sent in care of the Geology Department.

WATERSON APPOINTED TO STUDENT LOAN COMMITTEE

Karolyn Waterson, director of the Transition Year Program, recently joined the Native Council of Nova Scotia's education fund review committee.

The review committee makes recommendations on applications for interest-free student loans available through a grant to the NCNS.

THISIS DEFENCE

Mitchell David McCartney, of the anatomy department, presented his Doctor of Philosophy thesis defence recently on "Morphometric and Three-dimensional Reconstruction Analysis of Variations in Guinea Pig Photoreceptor Synaptic Terminals."

Anthony Charles Blouin, of the biology department, delivered his Doctor of Philosophy thesis defence recently on "Comparative Patterns of Plankton Communities Under Different Regimes of pH in Nova Scotia."

Malcolm James Grieve, of the political science department, gave his thesis defence recently on "Third World Drug Policy Processes: With a Case Study of Sierra Leone."

Staff Matters

New Appointments

Keith De Bell, asst. prof. (Research), Dept. of Physics, July 1, 1985, for three years.

Stephen G.J. Fitch, asst. prof., Dept. of Oral Diagnosis and Oral Surgery, July 1, 1985, for three years.

Lenore M. Lynch, program associate, Advanced Management Centre, May 1, 1985.

Matthew Salisbury, professor (Research), Dept. of Geology effective date changed to May 1, 1985 to June 30, 1990.

Changes in Rank

Michael G. Doyle, lecturer, Dept. of Restorative Dentistry, July 1, 1985.

Roderick L. MacNeil, lecturer, Dept. of Restorative Dentistry, July 1, 1985.

Chairpersons

James C. MacKinnon, Dept. of Engineering, July 1, 1985 for three years.

Gilbert R. Winham, Dept. of Political Science, July 1, 1985, for four years.

Acting Director

Gwendolyn Fitzgerald, Maritime School of Social Work, May 20, 1985 to Aug. 31, 1985.

Promotions

Patricia J. Calkin, asst. prof., Dept. of Classics, Sept. 1, 1984, due to receipt of PhD.

Bruce R. Greenfield, asst. prof., Dept. of English, July 1, 1984, due to receipt of PhD.

Kevin R. Grundy, asst. prof., Dept. of Chemistry, July 1, 1985. Also for sabbatical leave Jan. 1, 1986 to Dec. 31, 1986.

Alexander E. Hoffman, adjunct assoc. prof., Dept. of Oral Diagnosis and Oral Surgery, July 1, 1985.

J. Allan Scott, asst. prof., School of Recreation, Physical and Health Education, July 1, 1985.

M. Paul Brown, assoc. prof., School of Public Administration, July 1, 1985.

Rengaswami, Rajaraman, assoc. prof., Dept. of Microbiology, July 1, 1985. Also on sabbatical leave Jan. 1, 1986 to June 30, 1986.

Sabbatical Leaves

Robert Doyle, asst. prof., Dept. of Theatre, Jan. 1, 1986 to June 30, 1986.

Barry W. Fawcett, assoc. prof., Dept. of Mathematics, Statistics and Computing Science, Jan. 1, 1986 to June 30, 1986.

David Overton, assoc. prof., Dept. of Theatre, July 1, 1985 to Dec. 31, 1985.

Peter Perina, assoc. prof., Dept. of Theatre, Jan. 1, 1986 to June 30, 1986.

Charles Arnyowicz, assoc. prof., leave of absence, July 1, 1985 to June 30, 1986.

Thomas D. White, prof., Dept. of Pharmacology, Jan. 1, 1986 to June 30, 1986.

DSA APPOINTMENTS

The following persons joined Dal in February: John W. Butler, Technician 4, Physics Dept.; Shauna Nugent-Graham, Clerk 1, Bookstore; Lucia M. Fanning, Technician 2, Microbiology; Wanda G. Bell, Machine Operator 3, Office of the Dean — Medicine; Angela L. Woods, Clerk 2, Health Service and Janet E. Despres, Dental Assistant 3, Dental Clinic.

ARCHIBALD APPOINTED TO SCOTTISH TRUST

The Scottish International Gathering Trust, Edinburgh, Scotland, has named Dr. A. Gordon Archibald, chairman of Dal's Board of Governors, overseas vice-president of the trust.

The trust screens applications from various countries and organizations that want to qualify for international Gathering standards.

Archibald has served both as chair of the Scottish Societies' Association of Nova Scotia and chair of Nova Scotia's two International Gathering of the Clans.

DWFO EXECUTIVE ELECTED

The Dalhousie Women's Faculty Organization has a new state of officers.

Jane Parpart, of the history department, is the new president; Judy Hayashi, of counselling and psychological services, vice-president; Marjorie Stone, of the English department, treasurer; Joan Harbisen, of social work, secretary; Marion Binkley, of sociology and social anthropology, will be the executive's continuing member.

MEDICAL STUDENTS RAISE MORE THAN \$10,000 FOR CHARITY

The Dalhousie Medical Student Society raised \$10,142 at a charity auction for the St. Vincent de Paul Society.

Notebook

WE GOOFED

In the April 3 issue of *Dal News* we reported that a Dal music student Ronaldia Hutton received the Nats Foundation Award for Vocal Excellence for 1985-86. In fact, the National Association of Teachers of Singing Foundation selected Dal's music department as the first Canadian School to receive the Nats. The department's scholarship committee chose Ronaldia Hutton to receive the award.

INITIATIVES IN AFRICA SHOULD CONTINUE

A recent conference at Dalhousie on the African crisis concluded that the inter-related nature of Africa's development problems can't be treated quickly or easily.

Dr. David Luke, a professor of political science and co-ordinator of the World Bank-Dalhousie consultation, says the situation requires careful, empathetic, co-ordinated attention over the next few years if Africa's potential is to begin to be realized by the end of the century.

Debate at the conference, held in April, centered on the World Bank's third report on Sub-Saharan Africa and covered many aspects of the crisis: donor policies and aid co-ordination, finance, debt and trade, managing development and appropriate Canadian responses.

In Halifax, more than \$1 million was raised for relief for Africa. The city has pioneered the "Adopt a Village" plan to target medical and other supplies to a particular community in Ethiopia.

Dr. Klaus Hornetz, of the Lutheran World Federation and Walter Msimany, of the World University Service of Canada, said the plan could become the basis of an integrated development program centred around the village of Dagabur.

The conference at Dal was hosted by the Centre for African Studies and the Pearson Institute for International Development in concert with representatives of the World Bank.

LIBRARY SAYS THANK YOU

The University Library would like to thank the 700 faculty members and students who completed the survey on circulation policies. Results will be tabulated this summer and published in *Dal News* in the fall.

PRESIDENTIAL SEARCH COMMITTEE WANTS SUGGESTIONS

The seven-member presidential search committee wants to consult with faculty, students, alumni and friends of the university to identify potential candidates and the criteria which should be applied in the evaluation process.

The committee members, comprising representatives of the Board of Governors, Senate and Student Union, are Alan Andrews, George Cooper, James Cowan, Judith Fingard, Alex Gigerloff, William Jones and Peggy Weid.

They invite written comments and suggestions and will try to meet as many individuals and groups as possible. Send comments and suggestions to: The Secretary, Presidential Search Committee, Senate Office, Dalhousie University, Halifax, B3H 3J5.

LERNU ESPERANTON

Continuing Education is offering a course in the "international" language of Esperanto.

Esperanto is based on the grammar and vocabulary of the principal European languages but the grammar is free of exceptions and irregularities. Vocabulary, largely by means of prefixes and suffixes can express almost any shade of meaning and create new words as the need arises.

Esperanto is not meant to supplant existing languages, but to be an "auxiliary" language that allows people of different linguistic groups to communicate easily.

Basic fee for the self-instructional language program is \$45 (plus books) for four months (renewable if required). Eighteen other languages, including English and French, are also available for study in the learning lab. Self-instructional language students set their own hours.

For more information visit or phone Continuing Education, 6100 University Ave., 424-2375.

COMPUTER COURSES

The teaching unit of Academic Computing Services is holding a variety of courses from May to July.

The courses include: An Introduction to Using the CYBER Computer; Text Editing with TE; Text Processing with TP; Elementary Use of MINITAB and SPSS; FORTRAN — Elementary Level; BASIC on CYBER — Elementary Level; Introduction to Using the Microcomputer; Introduction to DBase; Word Processing Using WORDSTAR; Spreadsheet Analysis Using Lotus 1-2-3. For more information call 424-3472.

DISABLED RESEARCH CENTRE ESTABLISHED

The new Maritime Centre of Research, Access and Support for Disabled Students, at Saint Mary's University, aims to meet the needs of hearing impaired students although students with other disabilities will also benefit from the program.

Support services may include the provision of visual language interpreters, notetakers, special equipment — such as audio loops — and orientation programs for university staff and faculty on how to provide for the needs of hearing impaired students.

Although the centre is located at SMU, it will provide support to students attending university in any of the Maritime provinces.

The Secretary of State's centres of specialization fund has funded the project.

COMPUTER NEWS

The computer centre has renamed the "High Security Job Category" "High Security Output." This classification is available to users with very sensitive data. For further information contact the computer centre at 424-3472.

It appears that work station clusters planned for the Life Sciences Centre and the Carleton Campus will not go ahead this summer due to budget constraints.

Installation of a new academic main-frame computer is unlikely for the fiscal year 1985-86. But departmental micro-computer purchases totalled \$300,000 last year, bringing the value of micro-computers on campus close to \$1 million.

HELP LINE HELPS

Help Line, a 24-hour information, referral and lay counselling service, operates a school-awareness program for young callers.

The youth program, which began in 1984 as a result of a youth suicide in Sackville, received about 1,500 calls last year.

As a result of the number of callers, Help Line has expanded its service to include Halifax, Dartmouth and Halifax County. The callers, who range in age from six to 19, have concerns ranging from loneliness, boredom to depression. They may also feel pressure from sexuality, drugs and alcohol, confusion from changing family and peer relationships or simply want information.

You can reach Help Line at 422-2048 or 422-6864.

MPHEC IGNORED BY PREMIERS, AGAIN — CBIE

The Canadian Bureau for International Education says the Council of Maritime Premiers ignored the recommendation of the Maritime Provinces Higher Education Commission by increasing the differential tuition fee by almost 24 per cent.

This will result in a \$1,700 increase to foreign students, bringing their 1985-86 tuition fees to \$3,100 or more. The MPHEC recommended a \$60 increase.

"The governments normally ignore the MPHEC," says Brian Tennyson, director of the Centre for International Studies at the University College of Cape Breton. "We've been wondering for years why we have an MPHEC. In the university grants area, MPHEC advice is always ignored as well."



Professor Rod Wasylshen shows off the department's new nuclear magnetic resonance spectrometer — a \$325,000 piece of equipment capable of looking at solids using recently developed techniques. Wasylshen will use the spectrometer — the only one of its kind east of Kingston, Ont. — to determine the structures and characteristics of molecules in the solid state. His colleague Professor Bruce Forrest will use it to study the way in which some general anesthetics react with biological membranes. (Carlos photo)

DAL SPONSORS SEND-OFF CONCERT FOR YOUTH ORCHESTRA

Needed: \$5,000, to help to pay for a week-long performing trip to England, by the Halifax Schools Symphony Orchestra.

How to raise it: By staging a "Send-Off Concert" in the Cohn Auditorium on May 8 — the evening before they leave "Halifax, Nova Scotia, for Halifax, Yorkshire (via Heathrow).

The sponsors — The Dalhousie Alumni Association and the university's music department, and the organizers, the Department of Music Education of the Halifax District School Board — are hoping for a sellout.

"It is crucial that we fill the auditorium," said Kaye Pottie, supervisor of the city's department of music education. "We need \$5,000 to cover all our costs."

The concert is the final event to raise funds for the trip to England. The music education department's fair and indoor yard sale was a success.

At the May 8 concert, all the smaller ensembles — percussion, cello, brass and vocal, and the solo strings and the clarinet quartet — will perform, as will the full symphony orchestra. One of the items on the program: the Dalhousie Song.

CBC's Don Tremaine will be the MC and the CBC will tape the concert. In

addition, CBC is sending a four-man crew to videotape some of the orchestra's activities and performances there.

In Yorkshire, the orchestra will give four school concerts and a public one. Renderings by the vocal ensemble will include Nova Scotia folk songs and the works of Canadian composers. And at the public concert, the group will offer the famous Yorkshire song, "On Ilkka Moor, ba' ta' which, for the uninitiated, translates into "On Ilkely Moor barring (without) a hat". The orchestra — 56 students, who will be accompanied by eight schools staff — will also be greeted by the mayor of Yorkshire's Halifax.

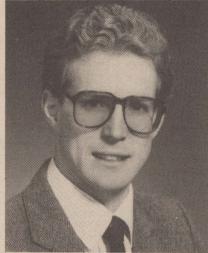
Tickets for the Cohn concert are \$8 adults, \$6 children 12 and under.

WKH HOSPITAL TO PRESENT OSMOND TELETHON

On June 1 and 2, the Children's Miracle Network Television will broadcast, on regional CBC-TV, an exciting debut in fund-raising for the Izaak Walton Killam Hospital for Children in Halifax.

The telethon, which is produced by the Osmond Foundation, aims to improve the quality of care for children in the Maritimes, and all funds raised will stay in the region.

LEGAL MEDICINE AWARD FOR DAL STUDENT



Peter Linder

Third-year law student Peter Linder, of Calgary, has won the prestigious Letourneau Award of the American College of Legal Medicine.

The annual award recognizes the best medical-legal paper submitted by a student from a Canadian or American law school.

Linder's paper concerned the "Legal Implications of D.E.S. in Canada." Many women used D.E.S. in the Fifties for problem pregnancies but many children of the drug users developed cancer, and other Medical problems.

Linder, who wrote the paper for a research course, will receive the award at the annual meeting of the college in New Orleans this month.

Linder, who holds BA degrees from the University of King's College and Oxford University, plans to article with the Alberta Court of Appeal and a Calgary law firm.

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, Old Archives Bldg., Dalhousie University, Halifax, N.S. B3H3J5. Please include phone number you can be reached at 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. Deadline for submissions is Tuesday at noon, the week before publication.

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

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 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 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.

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

WANTED: To rent, by family of visiting professor (two adults, four children) three bedroom apartment or house in South End, at least partially furnished, from May 1 to June 30 (or possibly to mid-August). Call Istvan Deak, 424-3624 or 422-2066.

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

FOR SALE: Hitachi HT-1 turntable and Hitachi HA-22 amplifier (30 watts per channel) and Sound Dynamics speakers (10 years old), \$600. Also, 19-inch Magnasonic color TV, 3 years old. Call Mike at 423-6022 or 425-3999.

FOR RENT: 4 or five bedroom house near Dal, for first summer session (May 13 to June 28, approx.), furnished, \$1,000 per month plus utilities, 423-8022 or 424-2544. Ask for Bibiana Burton or Jim Brown.

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 RENT: Completely furnished three or four bedroom house near campus (Henry St. near Jubilee Rd.) July 1 to Aug. 31. \$800 per month plus utilities. 425-3318.

WANTED: Bachelor or one bedroom apartment commencing May or June 1985. Maximum rent \$375-\$400, near Dal. Parking necessary. Contact Margaret Douglas, 424-8801.

FOR RENT: Furnished three bedroom house, walking distance to Dal, no pets. Available April 15 to August 15, 1985. \$300 per month plus utilities. Phone 423-2886 after 6 p.m.

FOR SALE: 1981 Mazda GLC, 2-door hatchback, 4-speed, 91,000 km, good condition, \$3,900. 455-5504.

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.

TO SUBLET: April 21 to Aug. 31 (negotiable), spacious attic apartment, bedroom, study, TV, share bathroom, kitchen privileges. Five minute walk to Dal. \$275 per month. Call Alice at 422-7972 or Mark or Joyce at 423-5400.

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

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

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

SURPLUS DISPOSAL: Lissa, Columbia microcomputers, accessories and manuals. Call Rick Livingston at 3382.

SURPLUS DISPOSAL: General Binding Corp. table top collator, electric drive, 110v, 12 pages per cycle. Dispensing arm requires service. Call J. Coates, 3515

SURPLUS DISPOSAL: Daisywriter letter quality printer, model 2000/1500 complete with tractor feed and three print wheels. Asking \$1,600 (purch. price was \$2,400). Call Diane Rudnicki, 3413.

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

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

WANTED: Quiet person or couple to share in the co-operative purchase of a two-flat house near Dal. Phone 422-5078.

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).

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

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

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.

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 823-2773 after 6 p.m.

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.

FOR LEASE: Assume lease (to buy) on 6-month old Xerox 527. Memorywriter, 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: 1978 Chevrolet Nova, Blue, 4-door. Good condition. 71,000 miles. 250 CID six cylinder engine. \$1,300. 469-5252. Ask for Steve Courts.

What's on at Dalhousie

FRIDAY, MAY 3

ON STAGE AT THE COHN: K.D. Lang, 8 p.m.

AT THE ART GALLERY: The exhibition, "Stephen Parrish and Charles Platt: Nova Scotia and New Brunswick Views" will be opened. Dr. William Birdsall, University Librarian, will give the opening remarks. Art Gallery, 8 p.m.

BIOLOGY DEPT. SEMINAR: The evolution of aggression in terrestrial salamanders. K. Nishikawa, Anatomy Dept., Dalhousie University, Room 2970, LSC, 11:30 a.m.

SATURDAY, MAY 4

ON STAGE AT THE COHN: Central Band of the Canadian Armed Forces, 8 p.m.

SUNDAY, MAY 5,

DALHOUSIE FILM THEATRE: Coup de Torchon, Rebecca Cohn Auditorium, 8 p.m.

WEDNESDAY, MAY 8

ON STAGE AT THE COHN: Halifax School Board Music Department Concert, 8 p.m.

THURSDAY, MAY 9

ART GALLERY LECTURE: Marie Elwood, chief curator of History at the Nova Scotia Museum, will present a lecture on the work of Stephen Parrish and Charles Platt in conjunction with the exhibition of their etchings and drawings. Art Gallery, 8 p.m.

WEDNESDAY, MAY 15

ON STAGE AT THE COHN: Symphony Nova Scotia, 8 p.m.

SUNDAY, MAY 19

ON STAGE AT THE COHN: Royal Canadian Air Force for Dal Medical Research Foundation, 8 p.m.

MONDAY, MAY 20

MUNICIPAL ADMINISTRATION PROGRAM: Computer School. For more information call 424-2526.

TUESDAY, MAY 21

ANATOMY DEPT. SEMINAR: Immunohistochemical Localization of Putative Neurotransmitters in the Newt Retina. Room 14B, Tupper Medical Building, 11:30 a.m.

WEDNESDAY, MAY 22

ON STAGE AT THE COHN: Symphony Nova Scotia, 8 p.m.

THURSDAY, MAY 23

ON STAGE AT THE COHN: Halifax Children's Festival Performances, May 23 to May 25. Contact box office for schedule 424-2298.

TUESDAY, JUNE 4

AT THE ARTS CENTRE: Scotia Festival of Music, J.S. Bach Birthday Party, Dunn Theatre, 8 p.m.

WEDNESDAY, JUNE 5

INTERNATIONAL SYMPOSIUM: Nuclear Analytical Chemistry. Slowpoke reactor facility, Dalhousie University. For further information Contact Dr. A. Chatt, Slowpoke Reactor Facility, Trace Analysis Research Centre, Dept. of Chemistry, 424-2474.

FRIDAY, JUNE 7

AT THE ARTS CENTRE: Scotia Festival of Music, Chamber Music Masterworks, Dunn Theatre, 8 p.m.

SATURDAY, JUNE 8

ON STAGE AT THE COHN: Halifax Dance Association, 8 p.m.

SUNDAY, JUNE 9

AT THE ARTS CENTRE: Masters in Concert, Dunn Theatre, 8 p.m.

Dalhousie Film Theatre, Rebecca Cohn Auditorium, 8 p.m.



Last year hundreds of Dalhousians walked for Dalhousie as part of the Great Canadian Participation Challenge. Come do it again on May 29. Run gets underway at 2 p.m. (Carlos photo)

SATURDAY, MAY 11

ON STAGE AT THE COHN: Nova Scotia High School Drama Festival, 8 p.m.

SUNDAY, MAY 12

DALHOUSIE FILM THEATRE: The Big Chill, 1983, USA, 111 minutes, color. Rebecca Cohn Auditorium, 8 p.m. Reg. adm. \$4; students/senior citizens \$3.50.

TUESDAY, MAY 14

ANATOMY DEPT. SEMINAR: In Vitro Studies on Intrinsic Circuitry in Brain Slices of the Cat Visual System. Dr. Larry Katz, Neurobiology Laboratory, Rockefeller University, Room 14B, Tupper Medical Building, 11:30 a.m.

CONTINUING EDUCATION COURSE: Basic Librarian Skills. For further information call 424-2375.

TUESDAY, MAY 28

AT THE ARTS CENTRE: Scotia Festival of Music Opening Concert, Dunn Theatre, for schedule — 429-9467, for tickets — 424-2298 8 p.m. May 28 to June 9.

THURSDAY, MAY 30

ON STAGE AT THE COHN: Halifax School Board Music Dept. Spring Festival Finale, 8 p.m.

FRIDAY, MAY 31

ON STAGE AT THE COHN: Scotia Festival of Music, Maureen Forrester, 8 p.m.

SUNDAY, JUNE 2

ON STAGE AT THE COHN: Dalhousie Film Theatre, 8 p.m.; Scotia Festival of Music, Chamber Music For Sunday, Dunn Theatre, 8 p.m.

WEDNESDAY, JUNE 12

ON STAGE AT THE COHN: The Temptations, 6:30 and 9:30 p.m.

THURSDAY, JUNE 13

ON STAGE AT THE COHN: Mary O'Hara, 8 p.m.

SATURDAY, JUNE 15

ON STAGE AT THE COHN: Edgett International Showcase, 8 p.m.

THURSDAY, JUNE 27

AT THE ARTS CENTRE: Dance in Canada. For schedule call 422-9749. June 27 to June 29.