

The first UNIVERSITY NEWS this month will be available early next week.

It contains reports and pictures of summer events and people, features about university activities, the full interim report of the Senate's Ad Hoc

Committee on the University Constitution, announcement of administrative changes and other academic appointments, Cultural Activities and Athletic and Recreation schedules, the almanac for 1978-79 and many other items.

TOP AWARD JOB FOR RAVINDRA

New Threshold Foundation offers annual prize of \$50,001

By Gina Slopek

Dr. Ravi Ravindra, professor of physics and religion at Dalhousie University, is director and coordinator of a new international award program described by some as a "corrective to the Nobel prizes."

The Threshold Award is an annual prize of \$50,001 to be given to the person who, in the view of the Selection Committee, has contributed most to the holistic approach to thought and research, integrating different disciplines, modern and traditional concepts, scientific knowledge and spiritual wisdom.

"Most awards of special merit in science and in other fields are currently being given to specialists in particular disciplines," says the Threshold Award pamphlet.

In spite of the copious detail now available, little important synthesis of knowledge has evolved... no unifying theme connects the animate to the inanimate and no generally agreed over-

view has appeared among the disciplines which could lead to a holistic model of the world."

The Threshold Foundation, founded this summer by some prominent intellectuals with the financial support of Prince Chahram Pahlavi-Nia of Iran, advocates an approach which "seeks to increase knowledge of our inter-relationships with the living world and to understand the indivisible nature of the universe around us." The aim is at synthesis, not analysis alone.

To that end, the award will be given to the person who transcends the water-tight compartments of particular disciplines or cultures. No preference will be given to any single discipline or inter-disciplinary field. "The award could equally well go to a scientist, a philosopher, an artist or a writer," says Threshold. Preference will be given to the candidate whose work is most lucid, socially relevant, and comprehensible to the informed public, who is exploring new thresholds, and who is developing the concept of a single order of reality, including inner experience as well as outer experiment.

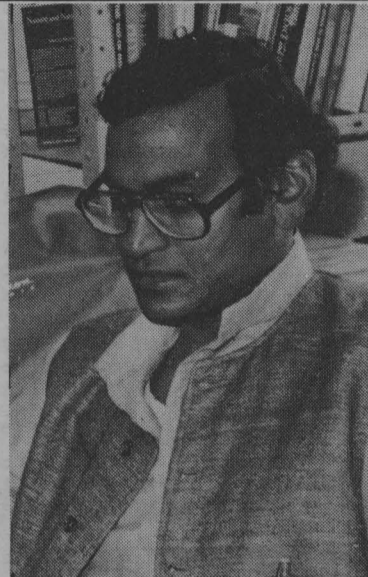
Dr. Ravindra, who is on leave of absence this year in order to direct the award, is currently gathering members for the Advisory Council and the Selection Committee. In keeping with the broad purposes of the award, the members will include eminent scientists, writers, artists, physicians, and philosophers, from a variety of cultural

backgrounds.

Ravindra has approached such varied personalities as Zen masters, Nobel-winning physicists, and renowned theatre directors in his quest for supporters. Respected thinkers like Dr. R. Buckminster Fuller, Dr. Lyall Watson, Sir John Eccles, Freeman Dyson, Walter Kaufmann, and Swami Krishnanand Saraswati have already extended their support to the award. Canadian participants include Marshall McLuhan, A. Hilary Armstrong, professor of classics and philosophy at Dalhousie, noted architect Arthur Erikson, Dr. George Grant, professor of religion at McMaster University, and Dr. John Polanyi of the chemistry department at the University of Toronto.

Each member of the Advisory Council and of the Selection Committee is entitled to nominate one person or project for the award in any one year. Deadline for this year's nominations is

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Philosopher-physicist Ravindra, director of the new award program.

IntroDal to be held in November

IntroDal, the university's open house traditionally held every two years in March, will be held in November.

The organizers had hoped to stage the event on the weekend of fall convocation (late October) but because many departments could not have displays ready, the event was put back.

Details of the event, on November 17 and 18, will be announced later.

\$355,500 for 572 students

The Awards Office at Dalhousie University granted scholarships totalling \$355,500 to 572 new and returning students this fall.

Most of the money went to undergraduates in Arts and Science, Health Professions and Administrative Studies. Entrance scholarships totalling \$148,350 were awarded to 189 new students and university scholarships totalling \$168,500 were awarded to 319 returning students.

Seven students in Dental Hygiene received scholarships totalling \$3,950 and four students in the School of Dentistry were awarded a total of \$3,000.

Twenty-six students in the Faculty of Law received \$16,150, including three scholarships of \$3,000 each and 22 Alistair Fraser scholarships of \$300.

Twenty-seven students in the Faculty of Medicine received a total of \$15,550, including nine entrance scholarships of \$900.

\$1.9 million for grad students

Scholarships for graduate students in humanities, sciences and administrative studies are administered separately through the Faculty of Graduate Studies. This year 461 graduate students at Dalhousie received \$1,900,000 from internal and external sources.

Scholarships and teaching assistant stipends granted by the university amount to \$1,292,153. Killam scholarships provided \$299,000, the National Research Council \$133,530 and the Canada Council \$60,220. Miscellaneous sources of funding provided \$108,280.

Review delayed

A proposal by the United Kingdom Council for Overseas Student Affairs for the establishment of a standing commission on overseas students has been delayed by the government until an overall policy review is completed. A review of foreign student fees was to have come under the mandate of the proposed commission.

Student housing "softer"

By Eric Cameron

Although it may not seem like it to the student searching for accommodation, the housing market is softer this fall than in other years, said Dalhousie's Director of Housing, John W. Graham.

An inexpensive apartment or house within walking distance of the university is impossible to find, said Mr. Graham, but places farther away at a reasonable price are not all that difficult to locate, and rooms are available near the campus.

"People just have to compromise on location, price or the type of accommodation."

The university has almost 2400 places available for students. This includes traditional residence apartments, and graduate houses, and more than 300 rooms at St. Mary's University, the Atlantic School of Theology, and Nova Scotia Technical College, all of which have extra residence space.

There is a waiting list at Howe Hall and Shirreff Hall, but the waiting list at Howe Hall will probably be cleared as no-shows are confirmed.

The demand for places in Shirreff Hall is higher but Mr. Graham is optimistic that most people on the waiting list will be placed within the female residences available.

Quality of off-campus housing was a constant problem, he said, and another factor that affected the way the housing situation was perceived, was rising expectations each year on the part of people looking for accommodation. Where students in the past would have been happy with a double room, many people now wanted a single.

Dentistry expansion: Dec. concrete pouring

By Eric Cameron

The concrete will be poured early in December for Dalhousie's new \$19.5 million dental building expansion, university Director of Planning and Development Jim Sykes said last week.

The new facilities will allow the university to almost triple enrolment in the dental and dental hygiene programs, from 24 students in each incoming class to 64 each year. Enrolment will go up in increments of eight students each year.

The dental school expansion is funded by the federal government, the four Atlantic provinces, and Dalhousie University.

The expanded facilities will be built three floors above ground and two underground. Excavation will continue until the end of October, Mr. Sykes said.

The two underground floors will hold the dental clinic. Research facilities will be increased and a dental museum will be included in the new space. Present facilities will be increased and improved.

The School of Dentistry anticipates an expansion of graduate and research work in the new extension. New programs under consideration include orthodontics, pedodontics, and prosthodontics.

The new facilities being constructed behind the present dental building will incorporate the existing building and will be connected to the Tupper, Forrest and Burbidge buildings by tunnels, creating a linked Health Professions complex on the Carleton campus. Construction will take at least two years.

Doctors should be paid for time spent teaching patients—Hereford Still

By Barbara Hinds

Family physicians should be paid for the time they spend on educating patients to try to prevent disease, according to Dr. Hereford Still, speaking earlier this month at a convention of the College of Family Physicians of Canada in Charlottetown.

Despite great advances made in the prevention of disease; treatment and cure still played dominant roles in the practice of medicine.

The trend reflected the conservative, even out-dated, attitudes of provincial

and fee-paying agencies and the tariff committees of medical societies, said Dr. Still, associate professor in the Department of Family Medicine at Dalhousie.

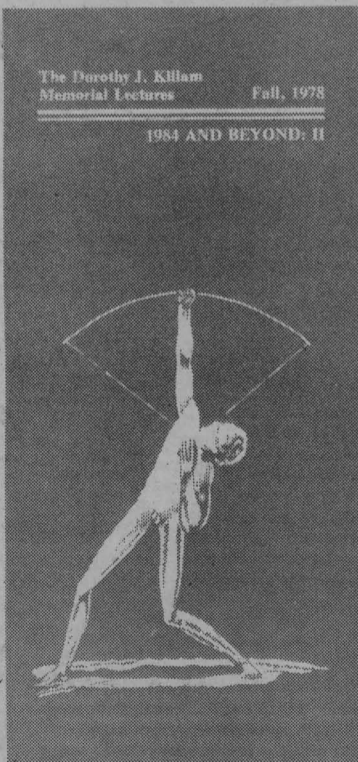
In Nova Scotia, fees were still allowed for the release of tongue tie in infants and children, although the procedure was considered unnecessary and probably harmful several decades ago.

The same tariff allowed no fee to a family doctor who spent time teaching self-examination of the breast for the early detection of cancer.

As a result of the emphasis and the glamor associated with curative medicine in traditional medical schools, today's physicians, while using up to date knowledge to cure, were not using all their available knowledge to the same extent nor with the same enthusiasm in preventive medicine for health promotion and for early diagnosis and treatment.

Physicians had come to understand many of the risk factors involved in cancer of the lung, colon, cervix and breast, myocardial infarction (heart attack) and stroke.

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1984 & Beyond, Part 2:

Killam Memorial Lectures this fall: Oct. 25, Robert Trivers, The Future Evolution of Human Social Life; Oct. 30, Irwin Cotler, Justice and Injustice; Nov. 10, W.A.C.H. Dobson, China and the Future. All at the Cohn.



Dr. Robert Tonks: Hoping to identify computer-based management information system requirements.

Tonks chairman of review committee

A presidential review committee has been named to review the feasibility of a computer-based management information system.

Dr. Robert S. Tonks, Dean of Health Professions, who has been named chairman, said that the committee hoped to identify the management information requirements within the university and in the light of these findings, review the usefulness of implementing a computer-based operation.

Members of the committee are: D.G. Miller, Administrative Assistant, Faculty of Arts and Sciences; Intab Ali, Director, Computer Centre; Allen Smith, Systems Design, Killam Library; A. Murray Cameron, Assistant to the Dean, Faculty of Medicine; A. Ronald MacInnis, Office of the Dean, Faculty of Medicine; Miss Mildred MacDonald, Secretary to the Dean, Faculty of Law; David I. Morgan, Administrative Assistant, Faculty of Dentistry; and John MacGillivray, Director, Accounting Systems Design.

E.W. Guptill scholarship awarded

The Professor Ernest W. Guptill Memorial Scholarship for this year has been awarded to Mary Bass of North Head, Grand Manan, N.B.

The scholarship was set up after the death of the Dalhousie University physics professor in a boating accident. His family, colleagues and friends contributed to the fund and the income is used each year for a scholarship for a student from Grand Manan.

During his lifetime Dr. Guptill made a practice of helping to pay for the education of students from that island.

The scholarship fund is administered by Dalhousie University but the recipient may attend the university of his choice. Miss Bass plans to take a special education program at Mount Saint Vincent University.

The recipient of the scholarship is chosen each year by the Grand Manan Board of School Trustees.

The Guptill family and the Physics Department of Dalhousie University have also established an annual memorial lecture. This year's speaker, in October, will be Professor Freeman Dyson from Princeton University.

Hicks pays tribute to Bruce Fergusson

Dalhousie President Dr. Henry D. Hicks paid tribute to the memory of former Provincial Archivist Dr. C. Bruce Fergusson shortly after Dr. Fergusson's death at the Halifax Infirmary last week.

"My friendship with Bruce Fergusson goes back to the 1930s when we both attended the same college at Oxford and played on the Oxford University ice hockey team," Dr. Hicks said.

"Throughout his lifetime, he has been a distinguished scholar and a prolific writer on many and varied aspects of the life, times and history of Nova Scotia."

"His contributions have helped many other scholars in their understanding of Nova Scotia's past. He was still writing at the time of his death and his scholarly contributions will be missed."

A native of Port Morien, Cape Breton, Dr. Fergusson was a graduate of the Nova Scotia Normal College and Dalhousie University, where he received a BA (magna cum laude).

A Rhodes Scholar, Dr. Fergusson went on to Oxford where he completed three degrees including his Doctor of Philosophy.

He moved to Halifax in 1946 as assistant provincial archivist. He was

Provincial Archivist from 1956 until his retirement in 1977, and served as an associate professor of history at Dalhousie.

The author of many books and articles on the history of Nova Scotia, Dr. Fergusson also served as president of the Nova Scotia Historical Society, the Nova Scotia Branch of the Canadian Historical Association, the North British Society of Halifax, the Canadian Authors Association, and the Archival Association of Atlantic Canada.

He was a member of the Nova Scotia Historic Sites Advisory Council and Chairman of the Historic Sites and Monuments Board of Canada.

Dr. Fergusson was secretary of the Confederation Centenary Celebration Committee in Nova Scotia, a member of the editorial committee of the Royal Canadian Geographical Society, and a member of the Council of the Champlain Society.

He was recently awarded the Order of Canada medal.

The Public Archives of Nova Scotia were closed last Saturday morning for Dr. Fergusson's funeral at St. David's Presbyterian Church. Burial was at Fairview Cemetery. Dr. Fergusson is survived by his wife, the former Evelyn Tyler and by a number of brothers and sisters and their children.

Top award job

Cont'd from Page 1

Oct. 31. The Selection Committee will choose the first recipient of the award in February of 1979.

The mode of giving the award and the precise distribution of the moneys - as an award, or as a project grant - may vary from year to year according to the deliberations of the committee. If the members think it appropriate, they may invite the winner of the award to deliver a lecture (or a series of lectures), which the Foundation would hope to publish.

But why \$50,001? "It is an ancient Indian idea that one should never end with a zero," explains the director.

Dr. Ravindra has been a faculty member at Dalhousie since 1966. At first glance his curriculum vitae seems eclectic. He holds a BSc in Geology

and Physics, an MTEch with specialization in Exploration and Geophysics, an MSc and PhD in Physics and an MA in Philosophy. He is cross-appointed in the Physics and Religion departments. He was a visiting fellow in the History and Philosophy of Science program at Princeton and was a visiting scholar at Columbia on a fellowship for Cross-Disciplinary Studies awarded by the Society for Religion in Higher Education.

Post-doctoral fellowships and research grants in physics, philosophy, and religion have also been awarded to the physicist-philosopher. A few dozen publications bear his name, including several books.

Why was he chosen as director of the award program?

"I don't really know!" says Ravindra. "Perhaps it is because I have my fingers in more than one pot. There are not many professors of physics and of religion."

The last 20 years

A Statistics Canada report prepared for the Twelfth Quinquennial Congress of the Universities of the Commonwealth outlines the development of university education in Canada during the last two decades. Based on annual surveys by the government agency, the report focuses on trends in expenditures, enrolment and graduation. Some figures used are the most recent tabulations published (eg. 1977-78 enrolment figures). The report, entitled **From the sixties to the eighties, a statistical portrait of Canadian higher education**, is available from the Education, Science and Culture Division of Statistics Canada.

More students from China to Canada

Indicating a change in its foreign policy, the People's Republic of China is exploring the possibility of placing up to 500 Chinese students initially with more expected over a set period in Canadian universities at both the graduate and undergraduate levels.

Don Jamieson, Secretary of State for External Affairs, is expected to respond favourably to the Chinese proposal later this month. The Canadian government has consulted AUCC on questions associated with the administration of such a program, including admission requirements, language training and testing, education upgrading practical experience related to programs of study, and travel and housing arrangements.

Canada is one of 15 countries to be approached by China in its initiative towards foreign training for Chinese university students. There are currently 25 Chinese university students in Canada on a bilateral exchange program administered by AUCC and the Social Sciences and Humanities Research Council. An additional 25 students are placed in Canadian universities by the Chinese embassy.



Provincial Archivist Dr. C. Bruce Fergusson, who died last week, shown accepting a document in 1977 from Rev. Dr. Ronald Porter and Mrs. D.A. Grant of the Historic Records Committee, St. Matthew's United Church. (Wamboldt-Waterfield)

Doctors should be paid . . .

Cont'd from Page 1

Family physicians had available the means of disease prevention by way of patient education and health maintenance, and through anticipatory guidance and screening procedures. Yet in a survey at McMaster University, only 54 per cent of female patients in a two-year period had recorded breast examinations and only 12 per cent had been taught breast self-examination.

Much attention was given to maternal and child health, to dental and mental health, but little to sexual health.

"Sexual education implies the need for appropriate sex education from infancy to old age. In Canada and the U.S.A., there were more than 1,000,000 cases of pregnant teenage girls last year, with the highest rate of increase being in the 11 to 15 year age group.

"This fact alone should convince us that although sex education in our schools at the junior high level or earlier may be controversial, but to offer it makes plain good sense.

"It is time doctors exercised influence more in our communities to achieve this end."

Physicians should also be as interested in promoting "well" marriages as in treating sick marriages, and it

had been suggested that marital check-ups should be considered as important as physical check-ups.

"With the increasingly high rate of divorce and the known increased incidence of serious illness and death in the divorced as compared with the married population, the recommendation must be taken seriously."

Family physicians should work towards emphasis of the prevention of disease in all age groups in the community; doctors should be receptive to change and show enthusiastic co-operation with other health professionals in achieving the goals of preventive medicine, and family physicians should be paid for providing preventive services such as screening, health risk appraisal and patient education.

"The traditional fee for service or for time involved may not always be appropriate. Because preventive services require professional time and money, I believe we have to think in terms of a special practice allowance for physicians, to offer the kind of screening and recall of patients needed."

Dr. Still was giving the W. Victor Johnston Oration at the 21st annual assembly of the College of Family Physicians of Canada in Charlotte-town.

The Senate meeting: September 18

Dr. A.M. Sinclair, Economics, has been elected chairman of Senate's Committee on Committees. Others elected to the committee by Senate at its Sept. 18 meeting were Dr. R.H. Bingham, Dentistry, and Dr. E.C. Pielou, Biology.

The secretary, Dr. A.J. Tingley, reviewed the history of reports requested by Senate, after which the chairman, Vice-President W.A. MacKay, outlined a proposal he had made to deans concerning annual reports.

Prof. MacKay thought reports should be designed so as to be useful in the annual cycle of the university, such as submissions to the MPHEC and the President's Report. The proposal was subject to agreement of the Senate that such a procedure would serve its interests, and the deans had agreed to adopt the proposal.

No opposition was expressed and the proposal will be in effect for one year.

Prof. MacKay reported that two applications had now been made for certification as bargaining agent by the Dalhousie Faculty Association, the first for faculty generally, the second for instructors and demonstrators with certain exclusions.

The chairman and Dr. R.S. Rodger (president of DFA for 1978-79) reported that most issues involved in the first application had been resolved, but there were still some problems on which the lawyers were working and which would affect the final definition of the bargaining unit. The ultimate authority was the Nova Scotia Labor Relations Board.

Prof. K.A. Heard asked if day parking had been eliminated. He was told that day parking was no longer available at the Arts Centre lot, but still available in the lot on the main campus (between Howe Hall and the Sir James Dunn Science Building).

Prof. Heard also pointed out that wheelchair access to the Arts and Administration Building was difficult, and asked generally about the situation on campus.

Prof. MacKay agreed there were problems and that these were being investigated, but he invited anyone aware of specific difficulties to bring them to the attention of the appropriate authorities.

The Information Office has campus maps indicating wheelchair routes and access.

UNIVERSITY NEWS

UNIVERSITY NEWS this week is published by Dalhousie University every week between September and May with the exception of a break at Christmas.

Inquiries and contributions should be sent to The Editor, University News, Information Office, Old Law Building Dalhousie University, 1236 Henry Street, Halifax, Nova Scotia, B3H 3J5. Tel: 902-424-2517. Registered as third-class mail; permit number, Dartmouth, N.S., 59.

Final deadline for all items for inclusion in the paper is 11 am of the Monday preceding Thursday publication.



Karen Kain and Colleen Cool in the National Ballet of Canada production of *Collective Symphony*, choreographed by Hans van Manen, Toer van Schayk and Rudi van Dantzig.

National Ballet at Arts Centre

As part of a ten city Eastern tour, the internationally acclaimed National Ballet of Canada will perform September 28-30 in the Rebecca Cohn Auditorium of the Arts Centre.

The classical repertory company was officially launched in 1951 under the direction of the founder, Celia Franca. It was not simply for tradition's sake that Celia Franca chose to model the Canadian company on European examples. She understood that if the National Ballet was ever to establish an international reputation it must have the ability to meet international standards. These would be determined by the company's success in dancing the great classical ballets. As the years passed, the National Ballet grew in both size and artistic stature. Original ballets were created for the company, several by Canadian choreographers, and works by other distinguished contemporary choreographers were added. Tours became more frequent and extensive, taking the National to all parts of the North American continent. In 1959, the National Ballet School was founded and the company's first ballet mistress, Betty Oliphant, was named principal. Under her administration and teaching, the school has come to be accepted as among the best in the world.

Over the years, company dancers

have gained recognition at international ballet competitions and as guest artists around the world. The National Ballet of Canada has also attracted some of the top names in the ballet world as guest artists. Both Rudolph Nureyev and Mikhail Baryshnikov have appeared with the company, and while in Halifax, the National will perform the *Sleeping Beauty*, Act III, which was choreographed by Nureyev.

The artistic director of the National Ballet of Canada, Alexander Grant, has constantly searched for fresh existing works to add to the repertoire and for new choreographic talent. He has greatly expanded the company's repertoire since the beginning of his tenure.

At the Cohn, the National Ballet of Canada will perform *Bayaderka*, Act IV, Thursday through Saturday; *Monotones II*, Thursday and Friday; *Don Quixote Pas De Deux*, Thursday and Friday; *The Rite of Spring*, Thursday and Saturday; the *Collective Symphony* Friday evening and *The Sleeping Beauty*, Act III on Saturday.

Ticket sales have been "going very well" for all three performances, and while seats are still available, the public is encouraged to buy their tickets quickly to avoid disappointment. For information phone 424-2298.

University's Changing Role to be Discussed

What universities will be like in the near future and how they will have to adapt to accommodate a rapidly changing world will be the focus of discussion on Saturday, September 30, 2:00 p.m. at Mount Saint Vincent University when five important educators from across North America gather to debate **The Changing Role of the University**. The symposium is being held to highlight the installation of Dr. E. Margaret Fulton as sixth president of the Mount. In a formal ceremony to be held earlier the same day, Dr. Fulton will address herself to the philosophical issues of this topic.

She has said: "The university's claim to be a 'leaven' to improve society by providing the world with better leaders and an increasingly enlightened electorate has not been borne out by events. We can no longer ignore the areas where the university has failed in its responsibility to a global society."

This is the challenge to the symposium speakers - to suggest general and specific changes based on how they perceive the nature of the university's responsibility. Taking part will be

Dr. Jacqueline Mattfeld, president of the all-female Barnard College in New York City; Dr. Naomi Hersom, associate dean of education at the University of British Columbia; Dr. Moses Morgan, president of Memorial University of Newfoundland and Dr. Michael Oliver, president of Carleton University, Ottawa. Dr. Pauline Jewett, president of Simon Fraser and an outspoken advocate of university accountability to the local community, will comment on the presentations made by each of the four speakers.

The speakers will address the changing role from several angles. For example: whether attending university is or should be a democratic right of all citizens; the unique needs of women in academe; research obligations and the university as the 'brain factory' of the state and the international role through involvement in developing nations.

Following the statements and commentary, questions will be welcomed from the audience. The symposium is open, free of charge, to the public and everyone is invited to comment and question the panelists.

It's All Hearsay

The autumn issue of *Hearsay*, a regular publication for Dalhousie law graduates has just been released.

The front cover carries an illustration of an early seventeenth-century portrait of Dutch jurist Hugo Grotius and is a reprint of an actual engraving presented recently to the law students by Dean Ronald St. J. Macdonald.

Articles featured in this issue include a wrap-up of the summer civil law/common law exchange program conducted at the school; an item on the PMO's office; notes on being a clerk with the Supreme Court; a feature on Newfoundland lay magistrates; a question and answer article with a specialist in international law of the sea; and a column of the historical connection between the law school and the Canadian Bar Association.

Copies of *Hearsay* may be obtained from Patty Cook (424-2114), office of the Dean of Law, 1st floor, Weldon Law Bldg.

Field hockey Tigers win Maine tournament



Accurate passing and speed marked the style of the Dalhousie Tigers as they rolled through the University of Maine's annual women's field hockey tournament. The victory in Presque Isle, Maine, earlier this month, came as an early and pleasant surprise to the Carolyn Savoy-coached team.

In round robin play, the Dal squad defeated UNB 3-2, edged Ohio State and Mt. Allison 2-1, crushed U de Moncton 10-0 and clipped U of Maine 5-1.

Soccer Tigers winning, but lack final punch

The soothing commiserations newly-returned coach Tony Richards (away last year on sabbatical) must have bestowed on Dal's soccer Tigers after their disastrous first game of the season against Mount Allison, seem to have had some effect.

In that game the Tigers displayed the same sort of ambition as a team of pensionable cricketers playing for the fun and because the sun was out.

There was not even that much fun at Studley Field—despite the huge partisan crowd and the warmth of the sun.

New Public Affairs Journal

The Institute of Public Affairs' Regional and Urban Studies Centre has published the first issue of the *Canadian Journal of Regional Science*. Editors of the new publication are Centre staff members Andrew Harvey and William Coffey.

The major focus of the periodical, which will have two issues per year, will be on research and policy issues of particular relevance to Canada.

The editors view it as a valuable addition to current Canadian social science literature.

Savings Bonds on sale Oct. 2

The 1978-79 Series of Canada Savings Bonds goes on sale Oct. 2 and offers investors an average 8.90 per cent over a seven-year term.

Two types of bonds will be available: the regular interest bond, which pays interest annually by cheque or direct deposit, and the compound interest bond, on which interest is left to accrue and compound annually to maturity.

About 6,000 firms and organizations, including Dalhousie, will operate Payroll Savings Plans that allow employees to acquire compound interest bonds by pay cheque deductions. These plans will go into operation shortly.

The new bonds will be dated Nov. 1 and there will be no charge made for accrued interest on bonds purchased up to Nov. 15.

Regular Interest Bonds will be available for cash in denominations of \$300, \$500, \$1,000, \$5,000 and \$10,000. The Compound Interest Bonds will come in those same denominations plus one of \$100.

Cash redemption value of Compound Interest Bonds: \$1,000: Interest Date, Nov. 1, 1979, \$1,085.00; Nov. 1, 1980, \$1,182.57; Nov. 1, 1981, \$1,288.84; Nov. 1, 1982, \$1,404.57; Nov. 1, 1983, \$1,530.61; Nov. 1, 1984, \$1,667.89; Nov. 1, 1985, \$1,817.39.

Growing old: Seminar, lecture series planned

Just as conservation of energy is a characteristic of physical systems, so senescence (growing old) and death are universal features of living systems. They are inescapable. In response to the question, "To what extent and in what manner can senescence be analysed by the scientific method?", a continuing seminar and a lecture series have been organized for the academic year 1978-79.

Rather than an exposition of an established scientific discipline, the format of the Biophysics-Biostatistics Seminar will be that of inquiry and investigation. A significant proportion of the seminars will therefore be presented by experimentalists at the cellular and organ level and physicians working with aged people. Seminars will be given on such topics as the physical nature of time, the mathematical analysis of the aging of complex, highly interacting systems, and a demonstration of the impossibility of the popular protein-replication error catastrophe model. The goal is to find those areas where a proper synthesis can be effected between the worlds of theory, of experiment, and of the clinic.

All those interested are urged to attend and participate. Students may take the seminar for credit by registering for Mathematics 752 or Biophysics 5452.

The seminar is given every Thursday from 2:30-3:30 in Lecture Theatre E, 1st floor, Tupper Building. The first seminar, "Time, Entropy and Aging," will be presented on Sept. 28 by Dr. I.W. Richardson.

A series of evening lectures is planned in conjunction with this seminar. The lectures will be given by some of the visiting lecturers and members of Dalhousie faculty, and will occur approximately monthly. The public is invited and discussion will be encouraged. A schedule will be available early in October and will be published in the University News at that time.

The CROSSWORD

Another prize crossword puzzle will appear in next week's issue of **UNIVERSITY NEWS** this week.

Winner of the puzzle that appeared in last week's paper will also be announced.

In addition, **UNIVERSITY NEWS** this month will carry a prize crossword in every issue.

Officials Attend Workshop

Eighteen mid-career officials in Canada's federal and provincial governments took part in a workshop sponsored by the Centre for Foreign Policy Studies.

The workshop, entitled **Canadian-American Relations in a Changing World**, surveyed pressures for change in international politics and foreign policy in the context of Canada's relations with the United States.

Members participated in a simulated negotiation between Canada and the United States, and in a Delphi forecasting exercise identifying likely future developments in Canada's external relations.

Professor John Sigler, from Carleton's School of International Affairs, delivered a talk on Canada-U.S. relations from the U.S. perspective and members of the Dalhousie centre (D. Munton, D. Stairs, T. Shaw, P. Aucoin, G. Winham, and D. Swanson) served as leaders for discussion periods, the simulation and Delphi forecasting exercises.

— Derek Mann

Calendar

Thursday

Biology Seminar. 11:30 am, Room 2970, Life Science Centre, Dr. Joseph Siebenaller, State University of New York at Stony Brook, "Pressure Effects on Enzyme Function: Implication for Species Depth Zonation Patterns".

Biophysics - Biomathematics Seminar. 2:30 - 3:30 pm. Lecture Theatre E, Sir Charles Tupper Medical Building, 1st floor. Dr. I.W. Richardson, "Time, Entropy and Aging".

Cultural Activities - September 28 - 30 - 8:30, Rebecca Cohn Aud., Arts Centre, "The National Ballet of Canada".

Dalhousie Art Gallery presents films on Art, 12-1 pm, MacAloney room 406, Arts Centre. "Landscape and Tradition".

SUB Spotlight - Wine Cellar with Doug Mauory of Dr. Music. Green Room 9 am - 12 am. Free. Free cheese and crackers.

Friday

Friday-at-Four lecture series. Dr. R.A. Stafton, Head of Dept. of Urology, Cleveland Clinic, Ohio; "The Surgical Cure of Hypertension" Lecture theatre A, Tupper Bldg.

Serendipity Cinema Society. "The Black Windmill", Room 2815, Life Sciences Centre. Shows at 7 and 9 p.m.

Institute of Public Affairs Tax Seminar. Sept. 29-30. McInnes Aud. SUB, 2 pm - 9:30 pm.

Minglewood Band - McInnes Room, SUB, 9 pm - 1 am.

Chemistry Seminar. "Approaches to the Total Synthesis of Natural Products from Carbohydrates." Dr. S. Hanessian, Universite de Montreal. Room 215, Chemistry Building, 1:30 p.m.

Saturday

Field Hockey, Dalhousie @ UNB. Game time: 1pm.

Soccer, Dalhousie @ UNB. Game time: 11 am.

Cross Country, U de M Invitational

Art Gallery - Exhibition - Sept. 14 - Oct. 22. "Aspects of the Permanent Collection" featuring recent acquisitions.

Mount St. Vincent University. Symposium on "The Changing Role of the University. Seton Academic Centre Auditorium, 2:00 p.m. free admission.

CBC AM Radio's Anthology. Interview with Northrop Frye. 11:05 p.m.

Sunday

SUB Spotlight - "The Deep" with Jaqueline Bisset, McInnes Room, 7:30 pm.

Dal Film Series. "The River," directed by Jean Renoir. 8 p.m. at the Cohn.

Monday

Atlantic Symphony Orchestra, "Grand Main Series" Robert Silverman, pianist, Victor Yampolsky, conductor - 8:30 p.m., Cohn Auditorium.

Wednesday

Advanced Management Centre lecture series - "Improving Managerial Skills of New or Prospective Managers" Halifax, N.S. (Oct. 4-5)

Movie - "John Gluckstadt" Admission free, McMechan Auditorium, Killam Library, 8 p.m. (Film in German with English Subtitles)

Physics Seminar - "Percolation, Polymers & Paramagnets: Current Concepts." Prof. H. Eugene Stanley, Dept. of Physics - Boston Un. 4:00 p.m. Rm. 101, Dunn Building.

Chemistry Seminar. "What Can Spectroscopy Do for Chemists (and Astrophysicists)" Dr. D.A. Ramsey, Herzberg Institute of Astrophysics, National Research Council. Room 215, Chemistry building, 1:30 p.m.

Thursday

Dalhousie Women's Annual Coffee Party - 8 pm., Sherriff Hall.

Film on Art - Dalhousie Art Centre, MacAloney Room No. 406. "Animation" Noon - 1 p.m. Admission free.

People

The Security and Traffic Offices have been combined under a new Director of Security, **Arthur O'Connell**. Mr. O'Connell, formerly responsible for the university parking system, replaces David Ness, who is now Building Supervisor.

Dr. Bill Shannon, head of Health Education in the school of Physical Education, and **Dr. Ed Belzer**, associate professor in Physical Education, attended a special seminar on measurement and evaluation in health education and behaviour modification programs in Toronto on September 15-16. The seminar was sponsored by the Canadian Health Education Society.

Dr. Belzer presented a paper at the conference, "Sequential Analysis: Is There a Place for it in the Evaluation of Health Education and Behaviour Modification Programs?", which will be published in the proceedings of the seminar at a later date.

Community Affairs Office Reaches Out

The Community Affairs office, established to strengthen ties between the university and the community, is reaching out again this year. It is involved with many organizations, such as Outreach Tutoring and various citizen action groups, and is interested in helping out with their campaigns and problems. Through the office, volunteers can be contacted, booth areas obtained for promotional ac-

tivities, and information exchanged.

A lecture series, which will be open to the general public, is planned and will be announced at a later date.

The impetus this year will be to make the university facilities more available to the community and to promote activity and awareness both on and off campus.

The office is located in Room 216 of the SUB, 424-3527.

Volunteers Needed

Halifax Rape Relief is looking for concerned individuals to staff the 24 hour crisis call line for victims of sexual assault. Volunteers would also promote and provide public education on the topic of rape and its prevention, and serve as a resource to community groups interested in working for social change with regard to sexual assault.

A training program will be offered beginning late October. Interested persons should call the Help Line, 422-7444.

Wine Drinkers Unite!

The Wine Circle is a convivial group which meets monthly to discuss homemade wine in all its aspects. Originally a Dalhousie-based group, it has expanded well beyond the borders of the campus.

Making good wine can be a real challenge - and fun at the same time. In these days of the rising cost of living, wine-making can allow you to enjoy the drink more frequently. It also helps you to further develop the appreciation of homemade and commercially available wines.

If you wish to know more about this group, phone Donna Silvert (423-0741), Sandra Myers (469-1615), Bob Dawson (429-5312), or Fred Matthews (423-2155).

Full Fall Schedule at Art Gallery

The Dalhousie Art Gallery has put together a full schedule of exhibitions, films and lectures for the coming season. Five art shows are planned for this fall, and a series of films on various aspects of art will be shown weekly on Thursdays at noon in the MacAloney room 406 in the Art Center. Three lectures have also been planned, the first of which was "The Lawren Harris Drawings in the Dalhousie Permanent Collection," presented by Prof. Peter Larisey from Carleton University on Sept. 22.

A complete schedule of what's happening downstairs at the Arts Center may be obtained at the gallery or in the lobby. Watch the News calendar for weekly listings.

St. John's Ambulance Course

A St. John's Ambulance Safety Oriented First Aid Course is now being offered to members of the university staff. This course is of 8 hours duration and is given in two, four hour sessions on the dates below. A certificate will be given to those who pass the complete course. This certificate is valid for three years.

Interested persons should call the University Health Service, 424-2171, between 9:30 A.M. and 4:30 P.M. to book a time.

Evening class could be arranged if there is sufficient demand.

MacMechan Auditorium - Killam Library
Hours 1300 to 1700
October 2nd and 3rd
October 9th and 10th
October 16th and 17th
October 23rd and 24th
October 30th and 31st.



The costume studio of the Theatre Department was the site of a quiltmakers' discovery workshop during the summer. Those who took part had a chance to expand their design knowledge and take in a series of practical lectures on topics related to quilting skills and techniques. (AV Services)

Notices

List of University Institutions in the Commonwealth

The 22nd edition of the List of University Institutions in the Commonwealth is now available to interested persons. The list includes the names and addresses of the executive heads of universities and of the officers at each institution to whom general inquiries should be addressed.

Persons requiring the list may obtain up to six copies free (seven or more copies will be charged at cost) from: The Association of Commonwealth Universities, 36 Gordon Square, London, England, WC1H 0PF.

CBC Literary Competition

CBC Radio is sponsoring a literary competition in three categories with cash prizes to be awarded in each. Entries can be in the form of a short story; a poem or suite of connected poems; and a memoir or biographical sketch.

The prize winning scripts will be broadcast in 1979. Submissions should be sent to Robert Weaver, executive producer, literary projects, Radio Drama and Literature, CBC, Box 500, Station A, Toronto, M5W 1E6. Deadline is January 5, 1979.

Travel Grants

The Commonwealth University Interchange Scheme is again offering travel grants for visits in 1979 between universities in different parts of the Commonwealth. The awards are available to qualified members of Commonwealth institutions in the following categories: university teachers or officers on recognized study leave, distinguished university scholars invited by universities on short visits, and postgraduate university research workers holding research grants.

Since funds for the scheme are contributed by the United Kingdom, Australia, and Hong Kong, travel must be between these three areas and another Commonwealth country.

Further information concerning the grants is available in the Information Office. Deadline for applications is December 15, 1978.



Wangle a WORKSHOP

Try a TOUR

KILLAM LIBRARY

Orientation 1978

Workshops

Workshops in library instruction are designed to teach you the basic skills necessary for the most efficient use of the library, its resources, and services. Workshops can be specifically tailored to your needs and presented to individuals, small groups, or entire classes during class periods. Whether you are a first-year undergraduate needing a book review of *Shrug, Trudeau in Power*, or a graduate student beginning your thesis research on the incidence of suicide among the unemployed, you qualify. Save time, energy, frustration:

Ask for a workshop at the main Information Desk, 424-3611, or speak to Janet McNeil or Bonita Boyd, also 424-3611.

Tours

Library Orientation Tours are designed to physically orient you to the building. Taking about a half an hour, they introduce you to the Circulation System, the Information Desk and Reference Collection, Documents, Serials, the Reserve Collection and the Microform Area and Special Collections.

Tours will leave from the Killam Lobby at 10:30 a.m. and 2:30 p.m., Monday through Friday, from September 18 through September 29.