



University News

Vol. 10, no. 24

Dalhousie University

April 3, 1980

A.M. Sinclair named chairman of Senate

Dr. Alasdair M. Sinclair, professor of economics at Dalhousie has been elected the first chairman of the University Senate and will assume office on June 1.

His election, at the March meeting of Senate, is the result of partial acceptance of the Graham committee's recommendations for the reorganization of Senate.

In addition, Dr. William E. Jones, chairman of the chemistry department, has been elected vice-chairman of Senate, and Dr. John A. McNulty, professor of psychology and former chairman of the department, has been elected secretary.

Dr. Sinclair, who has been with Dalhousie since 1961, is a former chairman of the department of economics.

Dr. Jones joined Dalhousie in 1962, and Dr. McNulty, who joined Dalhousie in 1963, was secretary of Senate in 1971-72.



Dr. A.M. Sinclair

At the March meeting of Senate, the chairman, Vice-President W.A. MacKay proposed that Senate agree that the president of the university be considered an officer of Senate.

The question was raised as to the implications of the proposal, and Vice-President MacKay said that the president should be expected to work closely with the officers of Senate, and conversely.

After some discussion, it was agreed that the matter be deferred. **DM**

Senate committee elections April 7

The election of new Senate committees will take place at the April 7 meeting of Senate. Senate's Committee on Committees has submitted to Senate its nominees for the following committees: Academic Planning; Financial Planning; Physical Planning; Academic Administration; and Steering.

New heating hook-up results in major cost avoidance

by Cathy Kerr

Let's look at boiler stacks. By adding "economizers, series of heating coils installed in the stacks of boilers, Dalhousie University has saved about \$5,000 a month (that's \$60,000 a year), reducing fuel consumption by 200,000 gallons a year.

"Before the installation of the economizers," says Roger Jollimore, co-ordinator of Physical Plant Services, "we checked with a processing company in the province which had been using these economizers. They had reduced their fuel consumption by 28,000 gallons a month. Oil consumption before the economizers was 400,000 gallons a month."

Striving to conserve energy is no longer merely the "cool" thing to do—

it's a necessity. In the late 60s and early 70s, when all the major buildings on the campus were designed and constructed, the concept of energy conservation did not exist as we know it now. But the newer buildings, the Killam Library, the Weldon Law Building, the Arts Centre, the Tupper Building, Physical Plant, the Life Science Centre and the SUB were built to function efficiently and saved energy by the nature of their better design.

The energy conservation drive began in 1975-76.

The installation of JC-80, a computer that controls and monitors

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DSA, university reach tentative agreement

by Gina Wilkins

The Dalhousie Staff Association (DSA) and the university have come to a tentative agreement on a two-year contract, covering the period July 1, 1979 to June 30, 1981, DSA president Blanche Potter announced recently.

"We feel we will be able to recommend the contract to our membership," Ms. Potter added. The negotiating committee for the association is currently awaiting receipt of the finalized draft of the

agreement, which it will then present to the membership at two special general meetings, the times of which are yet to be announced.

"Hopefully," says Ms. Potter, "the new wage settlement will appear on our May pay cheques."

The DSA and the university have been in negotiations since June 15, 1979. They had 35 meetings, the last seven of which took place with a conciliator, Mr. Len Ryan, from the Nova Scotia Department of Labour.

Classification system for administrative staff expected by June

by Derek Mann

The committee working on a classification and salary plan for about 140 members of the administrative staff at Dalhousie who are not included in any bargaining unit, expects to have a proposal to put to the Administration before June 1.

Sean Wood, spokesman for the seven-member committee, said earlier this week that the committee hoped to be able to report back to the whole group in May with recommendations concerning a modified Tenhaaf plan.

"We think we have done a very thorough investigation into the Tenhaaf plan (submitted last November) which, we felt, was really only the outline of a plan that might be put into effect here—a lot needed to be filled in."

Mr. Wood said that the committee had considered plans from other universities and the classification systems devised by a nationally known company. "We concluded that the base lines of any classification system are very similar, and we finally opted for a modification of the Tenhaaf plan."

Key points in the committee's current recommendations (as outlined at a meeting of the administrative staff on March 26 and in an earlier letter) were the availability of personal interviews and the institution of external salary reviews.

Mr. Wood said that the committee had been given permission to proceed

with these by the Vice-President. The personnel services department would not be involved in the interviews, rather senior members of the administrative group would be asked to conduct them after being briefed by the committee.

The questionnaires that had been completed in September and October by the 140 members of the group would in many cases be adequate, "but we think it is important that

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Administrative staff classification — Committee currently working on proposal

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anyone who is not satisfied be able to ask for a personal interview," said Mr. Wood.

In other cases, he added, the committee might feel the information in the questionnaires was not sufficient and it may then suggest an interview.

Mr. Wood said that all the staff in the group would receive a letter this week on the latest progress of the committee.

The background

The decision to carry out the review of the administrative positions was made in September last year. In a letter to those in the 140 positions involved in the review, Vice-President **W. Andrew MacKay** said the objective was to develop a broader understanding of administrative responsibilities throughout the university and a system that would ensure equity and provide appropriate guides for salary levels.

He also announced that, "with the goal of establishing an appropriate compensation system for administrative staff, an interim salary increase of 6 per cent"—retroactive to July, 1979—would be made.

At a briefing for the staff held early in October, Vice-President MacKay told the group: "For a long time it has been a matter of some concern that we have not had an effective program for dealing with administrative positions in the university.

"You occupy positions of real importance and we have not done a very effective job of looking after you."

The review was carried out by Mr. **William Tenhaaf**, who was to report back to the Administration with recommendations by the middle of November.

(Mr. Tenhaaf, for many years in the Armed Forces, spent 10 years before his retirement working for the federal government as a senior compensation officer with the Treasury Board of Canada).

At that first briefing, Mr. Tenhaaf said the first phase of the review was the classification of positions from the staff's descriptions in the questionnaire that had been distributed; the questionnaire was completed by each of the 140 staff, then checked and approved by those to whom the staff were responsible. Evaluation began at the end of October.

At a second briefing on Nov. 16, Mr. Tenhaaf's last day at the university, **Vice-President Vagianos** announced that the review had been completed.

Mr. Tenhaaf told the group that the administrative classification system of the federal civil service had been used as one guide and he had produced a modified plan for the university.

The Tenhaaf plan

The classification system he proposed contained six levels or grades, ranging from AS-1, which

would include a large group who were not really managers but who exercised some discretion and did some problem-solving within internal regulations or established patterns, to AS-6, a level for those, for example, who reported directly to vice-presidents.

Each AS level would have its own salary range, each with a number of steps. The salaries over all six levels ranged from \$11,898 to \$35,025. The classification and salary scale had built-in review and appeal procedures. Classification was based on a points system, in which knowledge would be worth 35 per cent, decision-making 35 per cent, and supervision and scope of contacts 15 per cent each.

Review objectives

In a letter on Dec. 6 to the staff, Vice-President Vagianos repeated the objectives of the review:

- To gain a broader understanding of administrative responsibilities throughout the university;
- To develop a system that would ensure equity and provide appropriate salary guidelines for administrative staff;
- To identify the training requirements of administrative staff; and
- To facilitate transfers within the group as positions became vacant.

After studying the proposed system, said Prof. Vagianos, it was the view of the Vice-President and Deans that, even though the system was sound and provided the appropriate framework on which to build a new system, further discussion was necessary before implementation.

"There was particular concern that some changes to reflect differences between the civil service and a university environment might be in order," said Prof. Vagianos.

"Accordingly, we have struck a committee (including seven members from the administrative group) to examine Mr. Tenhaaf's recommendations and to make suggestions for improvement where appropriate. We have asked this committee to report as quickly as possible so that we can introduce a new management system early in the next year."

Since no final salary adjustment could be made until the review process was completed, said Prof. Vagianos, a lump sum of \$250 was to be added to the December pay of all those in the administrative group. "This payment should be viewed as an advance against whatever salary adjustment is made to your annual salary when the new system is adopted."

The committee's report

The committee mentioned by Vice-President Vagianos reported to the 140 staff in a letter on Dec. 21. In the

report the committee said that it had met Vice-President Vagianos and representatives of Personnel Services on Dec. 11, and at that meeting the composition of the committee and identification of its mandate were clarified.

The committee includes **Mrs. Alice Moore, Mr. E.J. Nichols, Mr. John Howard Oxley, Mrs. Diane Prosser, Mr. Jim Sykes, Mr. Sean Wood and Mr. G.C. du Bois.**

Its mandate: To study the Tenhaaf proposal and to determine where and how it may be adaptable to the university's administrative staff.

"We may recommend amendments as we deem necessary," said the committee chairman, Mr. du Bois, in his letter. "We may recommend that it not be implemented at all. Our recommendations will be presented to the Vice-President of Administration and final decision will be made by Senior Administration."

In a letter to the administrative staff on March 19, Mr. du Bois said the committee regretted the delay in presenting a recommendation.

"It was necessary for us to devote a good deal of time to studying the documentation (of) the proposed plan, to applying the criteria in relation to same, and to obtaining other plans for comparison.

"We have met Vice-Presidents MacKay and Vagianos so that we could ascertain more clearly the university's objectives in proposing such a plan and were told they hoped:

- a) To establish equity within the university administrative group and provide appropriate guidelines for salary levels;
- b) To ensure some fair measurement for work done by men and women—"equal pay for equal work concept";
- c) To develop confidence among administrative staff that the university administration are genuinely concerned with their well-being;
- d) To promote internal mobility within the group, thereby facilitating career planning and advancement for individual members.

"We have also met Professor **Cecil Tuck** of the School of Public Administration, whose broad knowledge and experience in this field is widely known and valued. His overview of classification systems generally was very helpful to us.

"Having regard to all of the above, and with sincere concern for the welfare of the group we are presenting, we are now prepared to make recommendations, which we believe workable and relevant to positions within this university.

The recommendation

"The recommendation we are now prepared to make is that the university adopt a modification of

the proposed classification system.

"As part of this recommendation and as essential components of the final plan we propose:

- Personal interviews for those desiring them; and
- A comprehensive (external) salary review.

"That such an external review be carried out by an independent body is essential, in the view of this committee, to bringing about fair and realistic standards of pay.

"Inherent with our proposal will be the definition of job factors with more relevance to university conditions and the weighting of these factors as fairly as possible in relation to the positions evaluated.

"We have heard representation for externally and internally developed systems, and feel that a classification system evolved by people who themselves work in a university environment, would be more beneficial than obtaining the services of consultants who deal in a highly sophisticated way with all types of business corporations and other institutions. In light of our experience in examining the classification proposal the committee now appreciates how much time, and effort implementing an effectively modified system entails. Your committee intends to have its proposal in the hands of senior administration by June 1, next.

"A prerequisite for successful implementation of this classification system is the regular participation of a representative supervisory committee composed of members of this group. Installing the classification system is so complex that the maintenance of continuity between this supervisory committee and your current committee of investigation is a vitally important matter. Determining the membership of this supervisory committee is one of the most important questions which we, as a group, must answer.

In a footnote, headed "The 2% Question," to the letter, the committee said that early in January, "when we realized the complexity of the issues involved would dictate a review process that was longer than we originally anticipated, we requested senior administration to distribute immediately the balance of funds budgeted for the administrative staff in the current fiscal year.

"When we met with Vice-President Vagianos to discuss this issue he stated that no specific dollar amount had been budgeted for the year 1979-1980. The administration had budgeted for an 8 per cent increase, 6 per cent had been distributed in the summer of 1979 and the \$250 distribution in December brought the total amount distributed within a few thousand dollars of the 8 per cent total calculation. The committee did request that Vice-President Vagianos write a letter

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Threshold Award winners for 1980 announced

— Gina Wilkins

The Threshold Foundation has chosen three recipients for the Threshold Award 1980, it has been announced by Award director **Dr. Ravi Ravindra**, Dalhousie professor in the departments of religion and physics.

Dr. David Bohm, **Dr. Hsiang-Tung Chang** and **Dr. John and Nancy Todd** will share the \$50,000 award, the second to be offered in as many years.

Dr. David Bohm is a professor of theoretical physics at the University of London, England. In his letter to the selection committee for the award, **Dr. David Shainberg**, one of those who recommended Dr. Bohm for the award, stated: "I nominate Professor Bohm because of his work toward unifying his conceptions of the universe with daily life and the nature of our understanding of consciousness. Professor Bohm has been developing an idea of the implicate order of the universe in which all things and all being is seen as enfolded and unfolding.

"Aside from this model development and intellectual achievement in the arena of his primary training as a physicist, Bohm has been involved in the Krishnamurti Foundation. In this capacity he had been teaching at both the English and American Krishnamurti schools and has gone a long way toward communicating to many young people the ideas implicit in Krishnamurti's teachings and his own unitary conception of the universe."

Dr. Bohm has written several highly acclaimed books including one on quantum mechanics, one on the special theory of relativity and another called *Causality and Chance in Modern Physics*.

Dr. Hsiang-Tung Chang, the second Threshold Award recipient, is a medical doctor and a neurophysiologist in Shanghai, China. **Dr. Olga Petre-Quadens**, one of Chang's nominators, said that his work on the neurophysiological basis of acupuncture and its application, "His attempt at determining the logical background of this empirical pain-relieving procedure that originated in China 6000 years ago, is worth considering as one of the main integrative works in the field of medical knowledge. His work is an important contribution to our present kind of knowledge stemming from an ancient empirical tradition."

The Todds, joint recipients of the final third of the award money are co-founders of the New Alchemy Institute, Woods Hole, Mass.

Reverend James Parks Morton, Dean at the Cathedral Church of St. John the Divine in New York City and one of the Todds' nominators said: "It is not too much to assert, as did the late **E.F. Schumacher**, that in America the Todds' work is the most important concrete expression of the kind of technology which will change the planet and human life because of its spiritual dimension. Within the context of a holistic view of man and the universe as spiritual entities, the Todds

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Instructors sign agreement



The instructors' segment of the Dalhousie Faculty Association (DFA) signed its collective agreement last Friday in the president's office. Present for the occasion were: (seated at desk, from left to right) Mr. Donald McInnes, chairman of the Board of Governors; Dr. Henry D. Hicks, university president; Mr. Matt MacPherson, consultant and negotiator on the university's team; Tom Flemming, librarian at Kellogg and honorary secretary of the DFA; Dr. Susan Sherwin of the philosophy department, president of the DFA; and (standing, left to right) Prof. Andrew MacKay, university vice-president; Don Miller of the dean of arts and sciences' office; Dr. Forbes Langstroth, physics; Louise Cook, biology; and Allan Cameron, Director of Staff Relations. (Wilkins photo)

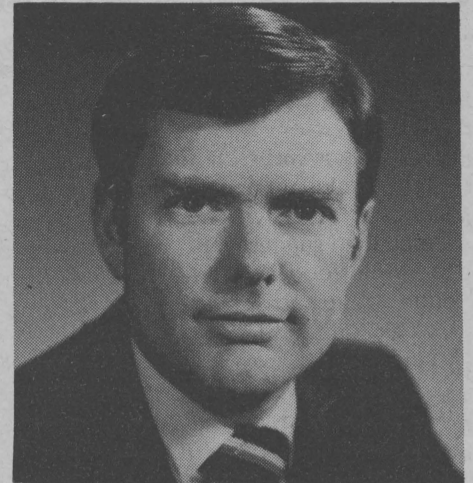
Mike Kirby goes to federal cabinet as secretary

Dr. Michael J.L. Kirby, for the past three years president of the Institute for Research on Public Policy and a professor in the School of Public Administration at Dalhousie, has been appointed secretary to the federal cabinet for federal-provincial relations.

The announcement was made last week by **Prime Minister Trudeau**.

Dr. Kirby, an expert in operations research and mathematics, was principal assistant to former Nova Scotia Premier **Gerald Regan** from 1970 to 1973. From 1974 to 1976 he was assistant principal secretary to Mr. Trudeau. He has held teaching and administrative posts at Dalhousie, among them the directorship of the Government Studies Program.

The Institute for Research on Public Policy, which Dr. Kirby has directed from its Dalhousie campus-based office (although headquarters are in Ot-



Dr. Michael Kirby

tawa) is a non-profit organization whose research and analysis is intended to improve the bases for informed choice and decision by Canadians. **DM**

Library receives gift from French government

Dalhousie is currently commemorating an important gift of books from the French government with a display in the lobby of the Killam Library, where the collection will be housed.

Representing the French government at the inauguration of the exhibit were **Mr. Edmond Delaye**, the Consul, and **Mr. Patrick Delpuech**, the Cultural Attaché, through whose efforts the grant was obtained. Also present at the occasion were **Dr. Henry Hicks**, president of Dalhousie, **Dr. James Gray**, Dean of Arts and Sciences, and **Dr. Michael Bishop**, acting chairman of Dalhousie's French department.

Ms. **Oriel MacLennan**, French subject specialist for the Killam Library, and **Dr. Gayle Garlock**, collections librarian at Killam, were responsible for the efficient ordering and cataloguing of the works.

The volumes in the collection come

principally from two major French publishing houses: Gallimard and Garnier. They were written by important French authors of both contemporary and historical significance. The gift constitutes a substantial contribution to Dalhousie's French collection. The books will be used by students on all levels, from BA to MA.

The French department noted its pleasure and gratitude on this occasion and expressed its hope that the French government would continue to encourage the development of linguistic and cultural understanding between France and Canada in the Atlantic region through future support of the French department and the university library.

The display is open to the public until April 10, when the books will be added to the general collection for all library users.

Library participates in Quebec promotion week

Au Quebec, on sait retrouver son information. In Quebec, people know how to dig up information.

They're not too bad at digging up the information at Dalhousie either, as **Oriel MacLennan** of the Killam Library has proved.

During a promotion week for Quebec reference books, initiated by L'association pour l'avancement des sciences et des techniques de la documentation (ASTED, the Association for the advancement of science and research techniques), a display was set up in the Special Services department of the Killam Library and people were urged to exercise their "freedom of choice" and investigate Quebec.

ASTED claims that people today are all reading the same information,

when it is possible to discover more about French Canada merely by looking: the tools are at our fingertips.

All libraries in the Quebec regions and Acadia, Ontario and French Manitoba participated in the promotion, which has been a great success and has received good response.

Oriel took the idea a step further and expanded the Quebec promotion to include Acadia. In addition to reference materials, atlases, language dictionaries, maps and journals were brought in, and a special program to buy Acadian reference works was introduced.

The national program was operated in conjunction with the Bibliotheque Nationale du Quebec. **CK**

Flamenco fireworks at the Cohn next week

All of the brilliance and splendor of Spain will be brought to the stage of the Rebecca Cohn Auditorium, Tuesday evening, April 8, when Dalhousie Cultural Activities presents **Jose Molina's Bailes Espanoles** for its only performance in this area. Curtain time is 8:30 p.m.

Acclaimed by critics as America's number one Spanish song and dance show, **Bailes Espanoles** features a dazzling company of dancers, singers and musicians in an unforgettable evening of glittering entertainment.

The 12 member company has been led by **Jose Molina** since its formation in 1962. Lavish costumes add an additional dimension to the production which emphasizes the three different kinds of Spanish Dance. Patrons will have an opportunity to experience the **Clasico Espanole**, similar to the ballet, the **Flamenco** and the **Folkloric**, the dances of the Spanish peasant.

Molina started dancing in Madrid at the age of nine with **Pilar Monterde**, who recognized a strong strain of Flamenco rhythm in his style. Despite his extreme youth, Jose auditioned for the role of second dancer in the company of the famed **Soledad Miralles** at the age of 14. After presenting three minutes of his audition, he was interrupted by Senora Miralles, who ac-

claimed Jose to be the youngest, yet most promising, Flamenco dancer of his day. She hired him on the spot.

During the following year, Jose performed throughout all of Spain with Soledad Miralles. He then became first dancer of the popular **Brisas de Espana**. It was not long before Jose was renowned in Spain for his complete mastery of all aspects of the Spanish dance.

When he turned 17, Molina enlarged his reputation with a tour throughout Europe, and when he was 19, he made his United States television debut on the **Steve Allen Show**. Among his television viewers was **Jose Greco**, who immediately invited Molina to join his company as first dancer. Molina did so, and he remained with Greco for five years, receiving lavish praise from the world press.

The next logical step in his career, and the fulfillment of the dream of every Flamenco dancer, was the formation of **Jose Molina Bailes Espanoles**, his own company, designed to effectively present the beautiful and exciting dances of Spain.

Tickets to this glittering evening's entertainment are now on sale at the Dalhousie Arts Centre Box Office. For more information call 424-2298.



Jose Molina's Bailes Espanoles

Fifth drawing exhibit opens at Dal Art Gallery today

Continuing a tradition established in 1976, the Dalhousie Art Gallery will open its **Fifth Dalhousie Drawing Exhibition** today at 8 p.m. The Annual is intended to augment the gallery's acquisitions policy which is to collect Canadian drawings.

As has been the history of the exhibition, an artist was invited to organize the show, selecting work by other artists for inclusion. It is a wholly personal selection on the part of the Guest Curator, unhampered by restrictions of geography or theme.

This year **Tim Whiten**, instructor of art at York University in Toronto and a prominent performance artist in Canada, has curated the annual drawing show. Tim's work is characterized by ritualistic concerns and an interest in phenomenology, meditation and inner awareness.

Mr. Whiten has invited five other artists to participate in the exhibition. They are: **Maxwell Bates** from Vancouver, **André Jodoin**, **Carman Marozzo**, **Suzy Lake** and **Vera Frenkel** all from Toronto.

The Halifax public will be surprised to see the broad definition of drawing taken by Guest Curator, Tim Whiten. The method has gone beyond the traditional media of graphite or charcoal on paper. Works in progress have entered the drawing domain as have some three dimensional works with a linear foundation and photography that has been touched by hand.

On opening night, Tim Whiten will present a performance piece in the gallery. The exhibition, which continues until May 4, is accompanied by a fully illustrated catalogue.

Dalhousie Chorale to perform Bach on Good Friday

Continuing the established tradition of Good Friday choral presentations, the Dalhousie music department will present **Bach's St. John Passion** at 8:30 p.m., April 4, in the Rebecca Cohn Auditorium.

The oratorio will feature the **Dalhousie Chorale**, soloists and orchestra, conducted by **Dr. Walter Kemp**.

Bach's dramatic retelling of the events of Good Friday is one of the best known and most beautiful chorales. It will be sung in English for this presentation.

In the work, the soloists sing meditative arias on the Passion story as the choir and evangelist recount the dramatic narrative of Christ's last

hours.

Mark DuBois will sing the demanding role of the evangelist in this presentation. Mr. DuBois will be remembered for his rendition of the Berlioz Romeo and Juliet last month.

Also returning to Halifax will be baritone **Alvin Reimer**, one of the Dalhousie Chorale's regular oratorio soloists. He will sing the role of Christ in the baritone solo arias.

Two of the city's favorite vocalists, **Lorna MacDonald**, soprano, and **Jacqueline Harmer**, contralto, will sing the women's reflective arias.

Tickets for this special performance are now on sale at the Dalhousie Arts Centre Box Office. For further information phone 424-2298.

Compagnie de Theatre presents two plays at Cohn

Dalhousie Cultural Activities presents, from Ottawa, the National Arts Centre's **Compagnie de Theatre** in two great French-language plays, **Moliere's Les Femmes Savantes** and **Thornton Wilder's Notre Petite Ville** in the Rebecca Cohn Auditorium on April 9 and 10.

The Compagnie de Theatre is now on its third Canadian tour. Between April 7 and May 31, the national theatre company tours from Halifax to Toronto with 13 stops throughout Nova Scotia, New Brunswick and Quebec.

Moliere's classic comedy, **Les Femmes Savantes**, was performed by the Compagnie de Theatre last fall at the National Arts Centre in Ottawa, winning unanimous praise from critics across the nation. The second play, **Notre Petite Ville**, is a brilliant French adaptation of Thornton Wilder's Pulitzer Prize-winning masterpiece, **Our Town**. Both plays are directed by the NAC's Artistic Director of French Theater, **Jean Herbiet**, whose productions of **Buchner's Woyzeck** and **Strindberg's The Dream Play** won him the acclaim of

audiences and critics alike on tours throughout Europe and North America.

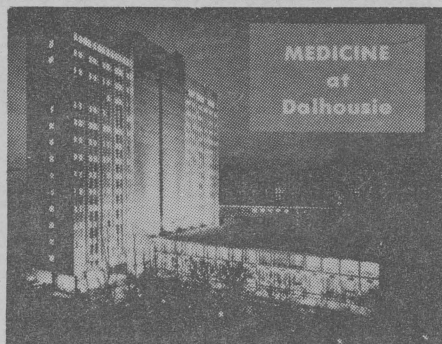
The Compagnie de Theatre is composed of 12 talented actors and actresses who will perform in both of the plays on tour. They are **Pierre Collin**, **Louison Danis**, **Claire Faubert**, **Hubert Gagnon**, **Rene Gingras**, **Diane Gravel**, **Hedwige Herbiet**, **Claude Marquis**, **Charles Mignault**, **Guy Mignault**, **Claude Saint-Germain** and **Linda Sorgini**.

Sets, costumes and lighting for both productions are by **Robert Prevost**, one of Canada's leading theatrical designers, and music is by **Jean Sauvageau**, whose credits include numerous plays and feature length films.

Notre Petite Ville will be presented Wednesday, April 9 at 8:30 p.m. There will be two presentations of **Les Femmes Savantes**, Thursday, April 10, at 2:30 p.m. and 8:30 p.m. Tickets are \$5.00 and \$4.00, with student and Senior Citizen discounts available. For further information phone 424-2298.



Moliere's famous comedy, Les Femmes savantes, will be presented at the Cohn in two shows on April 10. (Photo by Fernand Leclair, Ottawa)



Review:

Laughter is the best medicine

Medicine show great success

by Barbara Hinds

If *Laughter Is The Best Medicine*, a lot of ills were cured when people went home after the sold-out performance of the Faculty of Medicine's variety show, March 24.

A packed house in the Rebecca Cohn Auditorium warmed to the mirth and melody of a parade of talent, marshalled by producer **Ron MacInnis** of the dean of medicine's office, and stage manager-technical director, **Jon Walsh**, a second year medical student.

The show had a firm underpinning in conductor **Bernie Badley**, MD, and the 30-piece **Tupper Band**, which played with confidence and vivacity to sweep the audience into a joyous mood with its rousing opening and subsequent medleys.

Many of the acts which followed held humorous surprises. All were held loosely together by MCs **Dave Malloy** and **Barry Flemming**. They in turn were aided by a relaxed pair of sporting professionals—**Fraser Nicholson**, psychiatrist, and **Henry D. Hicks**, the university president.

Hicks and Nicholson sat with flask and script in frank display, looking like the two Old Codgers of *The Muppet Show*. They threw witty insolence from their custom-made balcony at stage left, occasionally slamming the MCs and the performers. Their backgrounds in theatre and in the political arena served them well.

Program notes were deliberately misleading at times. **Dr. Curly Still**, for example, was billed as a practicing physician who had agreed to honor the audience with a poetry reading. (He is, after all, a Cambridge graduate).

The stage was prepared and a lectern was set up by a dignified gent wearing a dinner jacket. A lone spotlight dramatised the scene, and expectations of Alfred, Lord Tennyson, or perhaps even a racy Rudyard Kipling were raised. Instead plucky Dr. Still entered wearing a

bookmaker's clerk's suit and a cloth cap.

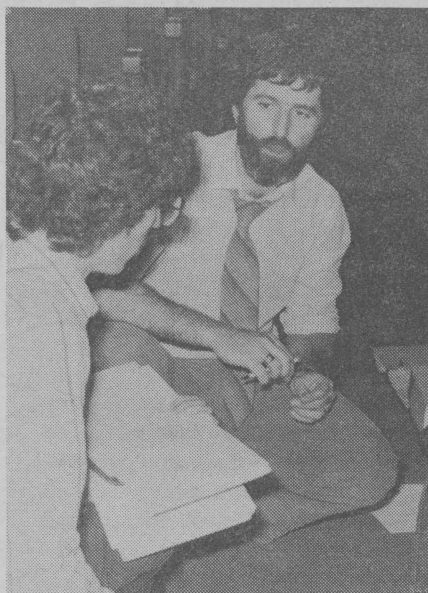
He milked all the broad humor he could from the monologue, *Albert and the Lion* delivered in flat Lancashire-Liverpudlian accents. The verses had helped to make **Stanley Holloway** famous in his early days.

Another family physician, the thoughtfully reserved **Dr. Brian Hennen**, donned dungarees, labelled "Louie's D and C Services" (Dusting and Cleaning), and ostentatiously swept the stage clean between turns.

Among the outstanding performers were **Giselle Comeau**, fourth year clinical clerk, singing solo and spell-binding the audience with a beautifully controlled interpretation of "Send In The Clowns"; **Kevin Orrell**, third year med., playing the *Love Theme* from *Romeo and Juliette*; **Judy Edgett** and **Ken Easterbrook**, **Janet Servant** and **Margaret MacKenzie**, dancing with precision and exquisite grace; and guitarists **David MacDonald**, third year, and **Tommy Evans**, first year, med students.

Perhaps the best remembered act was a rare photographic essay, "Eyes" which brought tenderness into the music and laughter. Photos of patients in the teaching hospitals, taken by **Peter Anderson**, second year med, were screened in sensitive sequence from the early days of smooth skinned innocence to the touching infirmity of dependent old age. The eloquent cavalcade through life's inevitable stages was accompanied by the 40-voice Tupper Chorale, conducted by **Jim Farmer**, singing softly from the theatre balcony, *Sunrise*, *Sunset*, to a captivated audience.

Because of professional commitments, and because students' examinations loom near, the show was under-rehearsed, and the failing showed in the rough continuity which no MC nor Muppet-type Old Codger could conceal.



Technical director Jon Walsh and producer Ron MacInnis had only two months to prepare the show.



The crazies. MCs Dr. Barry Flemming and Dr. Dave Malloy kept the show rolling with humour and flare.

However, *Laughter Is The Best Medicine* was billed as having a mandate to bring happiness into the hearts of a Cohn-full of people, and in that it succeeded.

The day after the show, MacInnis and Walsh were already looking ahead to next year's performance. They had less than two months to discover the talent and to bring the variety of acts together for their first show.

MacInnis said: "I saw our own glaring imperfections from stem to stern. I was pleased with the performers, but we have a lot to learn about production. There's no end of ideas waiting in the wings for next year."

Proceeds of the show, after expenses, will be given to help medical research through the Dalhousie Faculty of Medicine Research and Development Foundation.

Photos by Bob Short

Medicine gets new division, Dr. Arthur Shears named head

Dr. Arthur H. Shears has been appointed head of the newly formed division of physical medicine and rehabilitation in the department of medicine, and psychiatrist-in-chief of the Nova Scotia Rehabilitation Centre in Halifax.

The announcement was made jointly by **Dr. Henry D. Hicks**, president of the university and **Howard Moffitt**, board chairman of the Rehabilitation Centre.

Dr. Shears is known to the hundreds of Nova Scotians who have been treated at the province's rehab. centre over the past 24 years.

He has been a leader in rehabilitative medicine in the Maritimes since he became the first medical director of the Nova Scotia Rehabilitation Centre in its old premises on University Avenue in 1956.

He now assumes the title of psychiatrist-in-chief of the ultra-modern hospital on Summer Street, which is the base of the new division of physical medicine and rehabilitation. Other units of the division are in Camp Hill Hospital, the Halifax Infirmary and the Victoria General Hospital.

Five active staff physicians, including Dr. Shears, teach physical medicine and rehabilitation to undergraduates, graduate students and physiotherapists at the centre. A residency training program is also offered to doctors training in that field of medicine. This should help to reduce the shortage of such specialists in Canada, said Dr. Shears.

Creation of the new division makes more research possible, he said. Current programs are related to locomotive function, diseases and injuries.

A locomotive research laboratory has already been established where movements of gait can be measured and delineated. The information is then used to help people with artificial limbs or crutches to use them efficiently, to conserve their energy and to reduce fatigue.

Dr. Shears said: "Creation of the division makes it possible for us to do more. We were an unofficial group of individuals. Now, we will be a structured, cohesive group with more autonomy and accountability, which will enable us to accomplish more, faster, and better."



The Tupper Band takes a bow.

Booze on campus — We need better controls, says committee

by Gina Wilkins

Simulation:

One of the university departments situated in a house on campus is throwing an end of term party. Students and faculty are invited. Everyone brings his own booze and volunteers provide the food. There's music and dancing and general carrying on. The rooms are smoke filled and hot.

People start leaving around 1 a.m. They've had "a great time." A few hangers on are left, talking and listening to music. Finally they leave too, leaving Rodney S., disc jockey for the evening, to pack up his gear and go home.

Rodney's hot and tired from the booze and smoke. He sits down to rest for a minute, lighting up one last cigarette.

Sirens scream, red lights flash, flames lick at the wooden frame of the building. The departmental house is gutted. One casualty — Rodney S.

This isn't a true story. It's not because we're careful, though, it's because we're lucky.

No one ever thinks it could happen to us. No one ever expects disaster.

Several things were wrong with that party. Some were inevitable; others were not only avoidable, they were also illegal. If this simulation had actually taken place, Dalhousie University could have been in grave legal trouble.

Did you know that there are designated places on campus where the consumption of alcohol is legal? Consumption of liquor anywhere else is a legal offense.

"And ignorance of the law is no excuse," says Professor **Peter Darby** of the Law School. "The only legal use of booze is to buy it at the liquor store and take it home for consumption or to give it as a gift. Other than that, you need a permit."

At the moment, Dalhousie has no written regulations for the control of the use of alcohol on campus. This has been the major concern of Prof. Darby and of **Umesh Jain**, science representative on the Student Council, both members of a special sub-committee of the board of management of campus security formed to look into the problem.

Jain and Darby have "accepted the responsibility of attempting to recommend or suggest regulations for the handling of liquor on campus," says **Ted Marriott**, dean of student ser-



Umesh Jain, science representative on the Student Council, is concerned about the dangers, both to individuals and to the university, of improper use of alcohol on campus. (Wilkins photo)



"It is not the intent of the committee to be searching out offenders and putting a damper on the use of alcohol," Ted Marriott stresses. (Wilkins photo)

vices and chairman of the board of management of campus security. "This covers the consumption, sale and distribution of alcohol," Umesh Jain adds.

The committee has worked on the regulations for several months and is now in the process of presenting a series of reports to the board (they are in series because the regulations will have to address themselves to different groups in different ways).

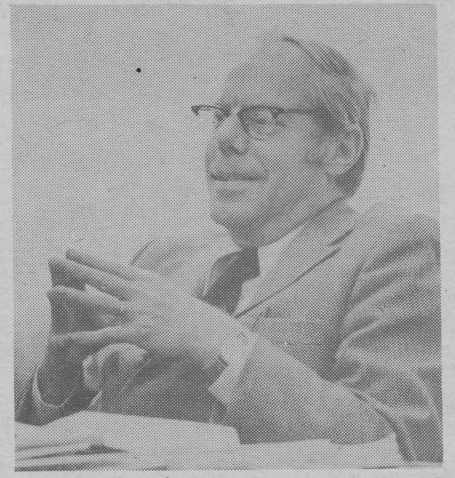
The board is currently considering the committee's recommendations. When they are accepted, the proposed regulations will be made available to the general university community for comments before they are finalized (watch for a complete report on the regulations in one of the first editions of **University News** in the fall). When the regulations have been finalized, they will be presented to the vice-president, administration, for his approval, after which they will be "law" on campus.

"It is not the intent of the committee to be searching out offenders and putting a damper on the use of alcohol," says Dean Marriott. "It's really an attempt to provide people with information so that they will know how to function within the confines of the law."

"We know that people don't understand the regulations we have now," Prof. Darby adds. "We want to increase awareness by telling them what the consequences can be if we don't follow the rules."

"Past occurrences on campus that have been illegal have probably taken place unintentionally," Marriott stresses, "because people lack the information." The committee hopes to change that.

At the moment, control of liquor on campus, with the exception of the Faculty Club (which has its own permit) and the residences (which are the equivalent of a private home as far as the law goes), is in the hands of **John Graham**, SUB manager. He in turn has sub-delegated the responsibility to



"We are trying to enable people to have parties without having problems," says Dean Marriott. (Wilkins photo)

Murdoch Ryan, manager of bar services.

There are designated areas on campus where parties with liquor are allowed to take place, according to a blanket permit held by the Student Union. If you want to have a party or a reception, you must have it in one of these designated areas and you must purchase your liquor through the Student Union, since it alone holds the proper permit.

"The SUB derives substantial revenue from the sale of liquor," Prof. Darby points out. This revenue is a significant factor in the operation of the SUB, he adds.

The committee is recommending that these regulations still stand, with a little tightening up. Also suggested is a cross-reference system whereby campus security is advised of when and where a party is taking place, and for how long, so that safety precautions can be covered as well (remember the simulation).

"There have been instances of damage of university property resulting from illegal parties," Umesh Jain points out. The committee is hoping to reduce the possibility of that happening in the future.

"We are trying to enable people to have parties without having problems," Dean Marriott concludes.

"We're not trying to tell people what to do," says Prof. Darby, "but we want them to know where they stand. Also, if Dal has a policy that is clearly enunciated, then if something unfortunate does happen we can show that we have tried to live up to the rules. That's why we need the regulations."

Ed. Note:

University News will reproduce the suggested regulations in full in a fall edition. Watch for it, and be sure to send your comments to the committee, c/o Dean Ted Marriott in Student Services. If you want further information before then, contact the dean at 424-2404.



"Ignorance of the law is no excuse," says Law's Prof. Darby of the use and abuse of alcohol on campus. (Wilkins photo)

Saving energy — In these days of high prices, it's more than just the "cool" thing to do

Cont'd from page 1

almost all the heating of the Dalhousie campus, heating 1,598,691 square feet of the campus' total square footage of 3,018,862, was the foundation for the energy conservation program.

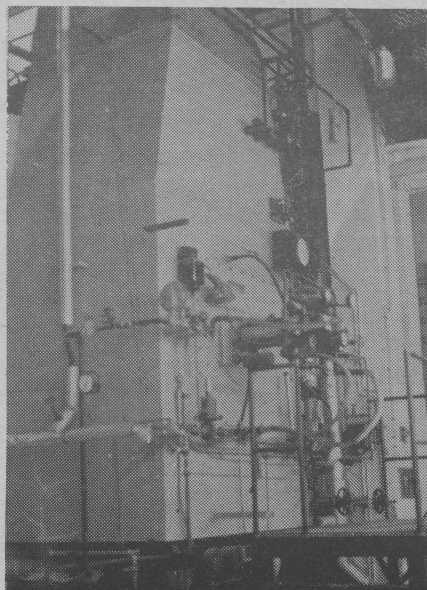
The JC-80 was originally intended to concern itself with only the major buildings on campus. Additional connections with the Physical Plant have since been made, however, to include 17 university houses, the College of Art building, Dalplex, Studley apartments and the new Dental building.

A number of by-products were discovered as a result of the JC-80's installation, says Vice-President **Louis Vagianos**. By hooking the computer up to many heating units on campus, and by monitoring these systems, it became apparent that some of the units were not performing as they were supposed to. Many systems had to be overhauled, which meant "retrofitting," an upgrading of the in-house control systems. This was a major expense, but the savings have been considerably more than it was even previously hoped.

Overhauls?

In the extensive tunnels under the campus—there are over three million square feet—there are now service piping, JC-80 cables, communication piping, electricity distribution cables, heating lines and chill water for air-conditioning, as well as spaces for access and service to the pipelines. The tunnel system has been extended by 3700 feet to include the Tupper building, the Dental building, the Clinical Research Centre, the Forrest building, the College of Pharmacy and the Grace Maternity Hospital.

The old boiler room was phased down in the Tupper building. As well, Physical Plant extended the steam line from the central system to Shirreff Hall and Howe Hall, eliminating a total of



This boiler produces 80,000 pounds of steam per hour. (Kerr photo)



Roger Jollimore, co-ordinator of the Physical Plant Services. (Kerr photo)

eight boilers (including those at the Studley Apartments and the College of Art).

Electricity consumption reduced

Over the three year conservation period ('76-'79) Dalhousie reduced its electricity consumption by 6,817,000 kilowatt hours, eight per cent each year, with a cost avoidance of \$149,000.

Number six fuel intake (heavy fuel, used at the main plant) was reduced by 600,000 gallons, representing an 18 per cent saving per year, or \$174,000.

Use of number two fuel has been reduced by 121,236 gallons, 26 per cent per year, a cost avoidance of \$45,500.

Seventy thousand gallons, that is 14 per cent, have been saved in Fenwick Tower alone by replacing individual oil-fired units and improving the domestic hot water system. This at a total cost avoidance of \$368,500.

All these reductions include the heating of Dalplex and the College of Art building.

This is all due to the efficiency of the JC-80, and the initiative of the university, says Jollimore.

"We're looking at everything we can," he says. "We've insulated all the houses on campus, we've reduced decorative lighting by 200-300 kilowatts, and some light fixtures have been disconnected ('down-lamping') where possible.

"There are so many factors," he said.

What's left to be done?

"This is clearly Phase I," says Professor Vagianos. "The next phase would be to look at how the existing system can be modified." This means

designing all new buildings to use more natural methods of heating and reassessing other buildings already existing to discover which ones are no longer valuable.

One factor which Mr. Jollimore feels definitely plays an important part in the heating system is human discretion; in other words, what is right for one may not necessarily be right for another. There have been complaints about the heating, but Mr. Jollimore has found that it is impossible to please all of the people all of the time. Many things influence the system he says—outside temperature, type of building, location of building. If a heating problem arises, it is picked up by the JC-80 computer and regulated as soon as possible.

Don't like it?

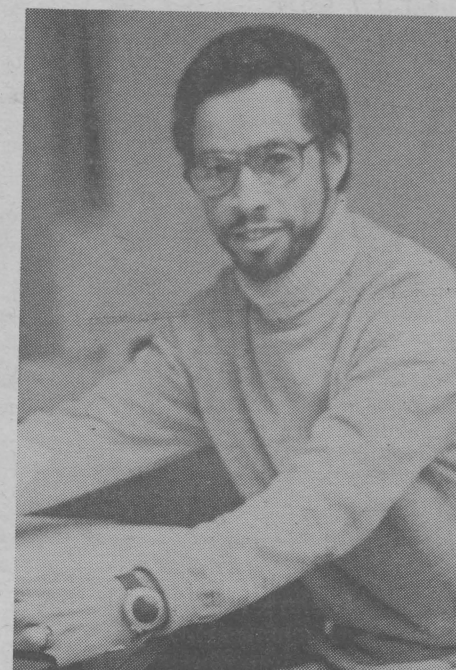
If you feel something is wrong heating-wise, you can call the Physical Plant and have them check the temperature.

Roland Gaudet and **Prim States** work with the JC-80; by pushing a few buttons, Mr. Gaudet can call on any building and quickly check the discharge air from the main unit, the outside temperature, and the return air temperature. He can tell which systems are operating and failures or problems make an alarm sound.

Prim goes through all the records—a print-out is made on an hourly basis and information can be called up at any time.

Mr. **Dick Fisher** was brought in to the Physical Plant as an assistant to the co-ordinator, responsible for energy conservation programs and special engineering assignments.

"Every effort must be made to reduce our (energy) consumption," says Mr. Jollimore. "We'll have to get

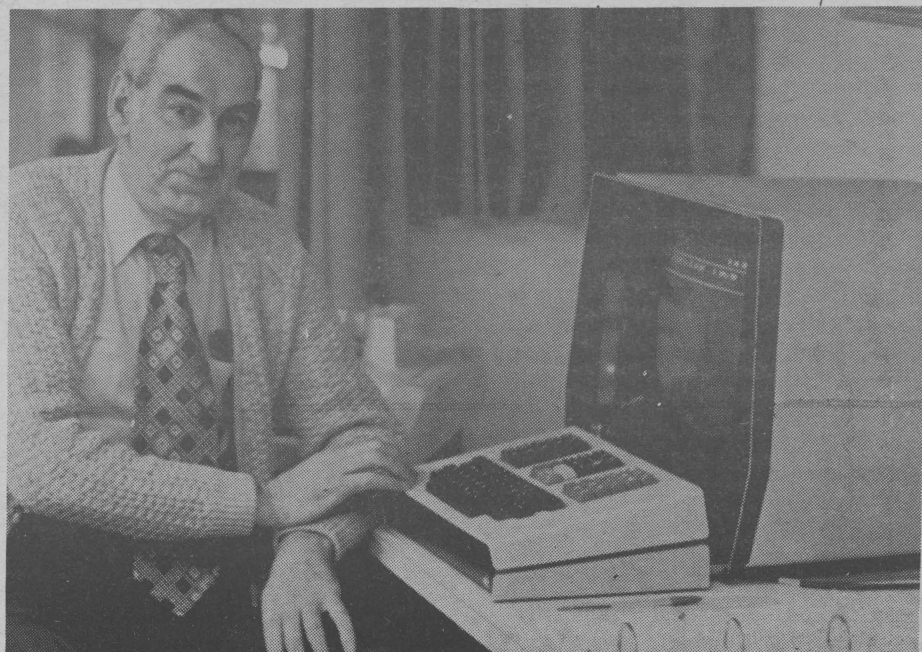


Prim States goes through all the records—a print-out is made on an hourly basis. (Kerr photo)

used to it."

There have been complaints not only about the heating, but also about the outside lighting, which some people protest is unsafe. Mr. Jollimore says that allegations claiming that safety lighting was removed for conservation purposes are untrue. In fact, safety lighting was added in some areas. In addition, the lighting is to be completely reviewed this spring in consultation with Dr. Vagianos and Mr. **Max Keeping**, head of security.

"Everyone must realize the necessity of conserving energy," said Mr. Jollimore. "To achieve successful programs, it will demand the cooperation of the entire university community."



Roland Gaudet can call on any building hooked up to the JC-80 and check the discharge air from the main unit, outside temperature, and return air temperature. (Kerr photo)

Will have first PhD in gerontology

Barbara Devine is breaking new ground

by Cathy Kerr

From the Chronicle of Higher Education, March 17, 1980:

... gerontology's core curriculum is multi-disciplinary . . . no single academic discipline, profession, or department has a lock on the field . . . if the future of gerontology depends on co-operation among the disciplines, academic competition may well inhibit its development. Promotion and tenure are generally controlled by established departments and many faculty members in gerontology consider it personally hazardous to make major commitments to inter-departmental activities.

This article, *Gerontology Said to Lack Identity as an Academic Discipline*, was based on the findings of a two year study conducted by a committee of leading gerontologists in the United States. The committee suggests that because gerontology programs are likely to remain dependent on traditional disciplines—biology, psychology and sociology—efforts to give the field a separate professional identity probably will not succeed for years to come.

"This is the forecast," the article continues, "even though the demand for social services for elderly citizens is expected to continue to increase dramatically. People 65 or older already constitute about 11 percent of the U.S. population and will reach an estimated 17 percent—nearly 51 million—by the year 2025."

These findings are from the United States. Unfortunately, Canada has no recognized doctoral degree program in gerontology. Therefore, no findings are available on the subject.

SCC publishes report urging reforms in university research

The Science Council of Canada sees a threat to the future of Canadian innovation and development, and urges reforms in university research.

In a report, *University Research in Jeopardy: The Threat of Declining Enrolment*, the difficulties facing research are described, and remedies suggested.

As enrolments drop in the next decade, there will be fewer openings for new faculty and universities will find it increasingly difficult to maintain the quality of teaching and research in science and engineering. The report emphasizes the importance of ensuring a steady influx of young people into these research areas. To this end, a number of specific recommendations are directed to the universities, as well as to the provincial governments and federal granting agencies. Consideration is also given to mechanisms for bridging the gap between the universities and the industrial sector.

Where do you begin?

You want to do research in an area that really does need study, more so than ever before, but most of the courses you need do not exist in this country. You can go to another country, or you can study it anyway . . .

Which is what **Barbara Devine** was forced to do.

Ms. Devine knows the facts. She's aware of the need for gerontologists, of the increasing number of elderly people, and of the narrow confines of the subject in the disciplines of sociology, psychology and physiology.

An RN with a diploma in Public Health Nursing, a Bachelor of Science in Nursing and a Master of Sociology, Ms. Devine is now a PhD candidate in the Education Department at Dalhousie in gerontology.

She knows what gerontology means—it is *not* health care; it is *not* the sociological outlook, and it is *not* a psychological aspect. It is all those things—and more.

Barbara Devine saw a need to develop a course in gerontology that included many disciplines—social work, psychology, sociology, nursing, and pharmacy—"we all have different approaches," she says.

She will be offering a course in social gerontology during the second summer session at Dalhousie which will be:

... a general introduction to social gerontology. Emphasis will be placed on the historical and philosophical development of the study of aging in Canada, theories of aging, current social and economic programs for the elderly both in Canada and to some

extent cross-culturally and various pertinent social-psychological aspects of the aging process.

"The primary purpose of this course is to familiarize students with some of the problems people experience as a consequence of aging in Canadian society and to provide a basic understanding of the socio-economic factors relevant to these problems." (from the course description by Professor Devine)

The course has recently been approved by the curriculum committee.

Ms. Devine presently teaches the research methods classes—the basic degree program—in the faculty of nursing. In the class, she attempts to bring in other aspects in addition to the physical nursing outlook, guiding her students to incorporate a socio-psychological approach.

Last year, the research methods classes worked on group projects in different clinical settings within the hospital.

The focus this year is on the elderly in the community. The students have conducted interviews with 120 retired persons in Nova Scotia, asking about



Barbara Devine

their self-concept and their views on exercise, alcoholism, use of medication, work and leisure, social interaction and religion.

"The problem for students wishing to study (gerontology) is that there are very few experts in the field in Canada," says Professor Devine. "Students must be self-directed and be fortunate enough to be in a department which will permit them to study in this field."

Professor Devine has published journal articles, including *Old Age Stereotyping*, and *Pensions and Unions in Canada* (co-authored with **Gordon Burnham** and has worked with **Dr. Jean Elliott** from the sociology department on women and aging in Canada.

University News celebrates 10th anniversary with special edition

University News is 10 years old.

To mark the occasion a special 10th anniversary issue of the paper will be published next week in addition to the usual weekly edition. The 10th anniversary issue will be generally available on April 10.

Late last year, the *University News* Staff considered what the paper might do to mark its 10th anniversary. They decided that, as much as possible, the paper should be produced by some of those it is intended to serve, its readers, and that its theme should be *The last decade at Dalhousie and A Look Ahead*.

To this end, the paper invited contributions from 40 "veterans" of the university community—teachers and administrators—who represented every Faculty and major non-academic department, the only selection criterion being that each of them had been with Dalhousie for 10 years or more.

Articles were written by 19 of those invited, which is why some major areas of the university have received little or no mention in the contributions section, although the review of the last decade covers almost every area of the University.

University News is grateful to the (19) 10-year "veterans" who contributed to the anniversary issue, and

to all of those over the past decade who have been good "contacts" for the staff of the paper.

The paper is also grateful to those most directly involved in helping in the production process: **Ford Publishing Co.**, which does the typesetting; the **Dartmouth Free Press**, which from the beginning has printed the paper; the **photography unit of A/V Services**, which has taken countless photographs and processed thousands of rolls of film; and **Dal Graphics**, which handles the photo reproductions and other art work.

Only two issues of University News left for this year

That's right, folks, *University News* ceases regular publication for the summer on April 17. If you have any comments or suggestions for the next two papers, you should get them in to the editor as soon as possible.

It should be noted that the April 17 edition will contain as many of the schedules of events for the summer as possible. Deadline for submissions of schedules is Wednesday, April 9.

University News will resume publication in September.

Want to be an athletic trainer?

The trainer course at Dalhousie is open to everyone

by Cathy Kerr

Case: 1978-79. Last year, a soccer player injured his ankle. He handled the situation himself. By alternating heat and ice application to the injury, he was back on the field six weeks later.

1979-80 season: This same athlete, now with Dalhousie, underwent the same injury to the same foot. Under the care of a qualified athletic trainer, who treated the sprain with heat application to encourage reduction in swelling, and motion exercises, the athlete was playing good varsity soccer within two weeks. (as related by **Jim MacLeod**, athletic trainer, Dalhousie)

During the development years in skill acquisition and participation, in sport, the importance of having recognized athletic trainers cannot be over-emphasized, says **Nila Ipson**, assistant professor and Co-ordinator of Campus Recreation at Dalhousie. The sudden surge of interest and involvement in fitness and recreation has sparked off new concerns and programs to serve the needs of these enthusiasts, Nila further notes. New physical fitness assessment methods, up-dated training techniques, and coaching certification programs have all gone through a great revolution, but one related area which has not kept pace with the whole sport development is that of athletic training.

Inadequate care may result in more serious injury, often limiting in later life.

The trainer needs a basic understanding of the common injuries and health problems resulting from participation in athletic sports. He or she also needs the basic skills in the prevention, diagnosis, treatment and management of sport related injuries and health problems.

The only one of its kind in Canada?

"As far as we know," says **Gladys Moses**, Program Assistant at Dalhousie, "Dalhousie now has the only recognized athletic training course in Canada. But we have received no feedback whatsoever to our inquiries."

Nationally, the promotion and development of athletic trainers has been slow. In the Atlantic region, it has been almost non-existent.

Jim MacLeod, who studied Physical Education and Sports Medicine in Calgary, verified that Dalhousie's athletic trainers course was indeed unique, though more extensive programs are now being encouraged all over Canada by the Canadian Athletic Therapists Association (CATA). Many programs have been underway on a national basis, says Jim. But when its program was initiated, Dalhousie had no guidelines to follow.

A Dalhousie project was set up to educate trainers to serve the interests of the campus community and from

there a thriving three-level athletic trainer course emerged, and has been developed.

"Everyone has been very supportive," says Gladys Moses, "and the program has been very well received."

Nila Ipson and Gladys Moses, who manage the administrative end of the program—things like promotion and registration—feel the course has met with great success so far.

Now there are plans for expansion. The course will soon be standardized so that it will be possible to offer it in colleges around Nova Scotia, thus making it more accessible both in terms of time and location.

All those involved, from administrators to teachers, are enthusiastic about the course.

"It is a very good service to the community. The need is obviously there," says Gladys Moses.

Course content:

The curriculum is divided into three levels of instruction and skill competence.

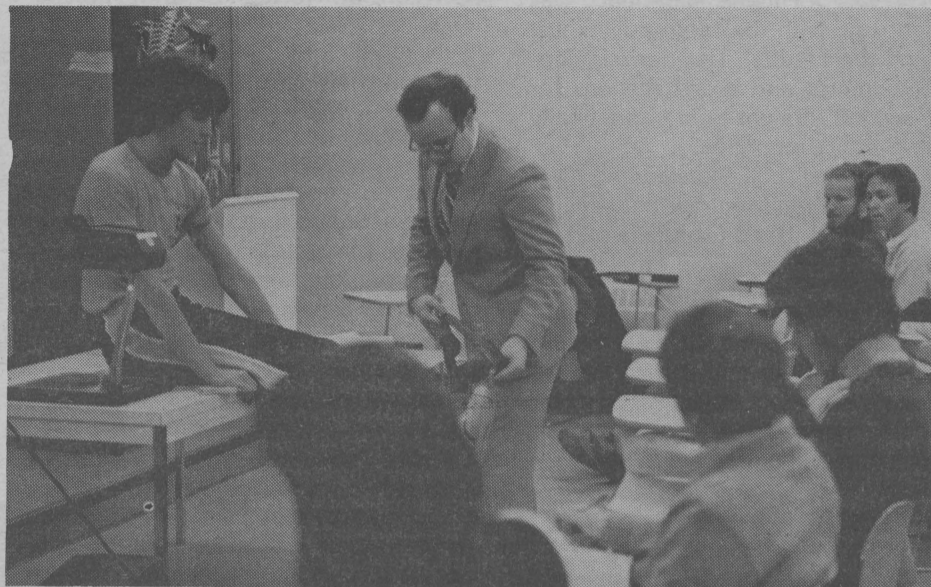
Level I: Consists of 20 hours. 18 hours of classroom theory and practical strapping sessions and 2 hours of supervised practical training in the training room. The theoretical instruction deals with injuries to the foot and ankle, head and neck, thumb and hand and the rehabilitative exercises and the use of ice. Prevention and rehabilitation of injuries, chronic overuse and soft tissue injuries, legal liability and responsibilities of an athletic trainer.

Level II: A total of 20 hours—16 hours of theory and practical taping sessions and 4 hours of supervised practical on the job experience in the training room. Content of the course deals with injuries to the knee, thigh, leg, shoulder, arm, elbow, forearm, wrist, ribs and chest plus nutrition, medical health problems, dental problems and specific injuries to children.

Level III: Consists of 20 hours—with 15 hours of theory and practical taping sessions plus 5 hours of practical experience in the training room and on the game location under the supervision of a medical doctor or athletic trainer. This advanced level deals with specific injuries to the eyes, ears, back, plevis, abdomen, hip or groin. In addition the following areas of concern are dealt with: effects of environment, drugs, exercise and stress testing, cardiovascular system, and special situations, i.e. pregnancy, paraplegic and the older athlete.

Pre-Requisites:

An elementary knowledge of anatomy and physiology is desired to insure adequate understanding of the material presented. In addition it is strongly recommended that those enrolled in the course would have previously acquired a current certificate in safety oriented First Aid and C.P.R. (Cardio-Pulmonary Resuscitation).



Dr. Bob Stocker (pictured above) and Dr. Betty Holmes, medical doctors, and Mr. Richard Slaunwhite, athletic trainer, are part of the team of instructors for the trainers course. Guest lecturers are often invited.

(photo by Dave Grandy)

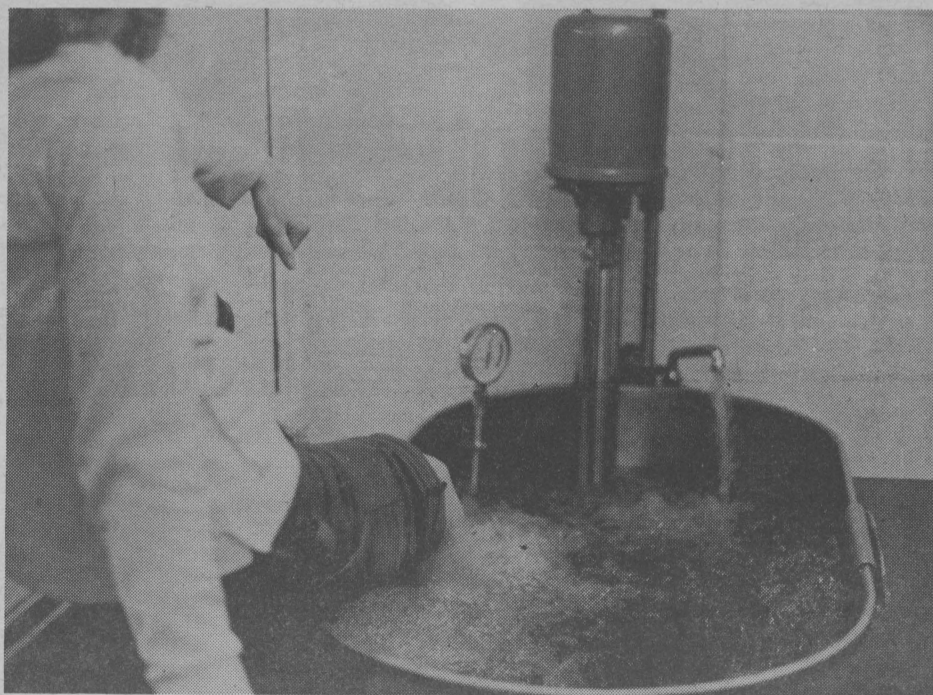
Although enrollment in the various courses will be allowed without the First Aid and C.P.R. Certificates, they will be required for satisfactory completion of Level III.

Certification:

Upon completion of all three levels (60 hours of instruction and practical experience) a theoretical examination

and a practical taping evaluation will be carried out. Those achieving the required standard will be awarded a certificate indicating completion of the Athletic Trainers Course.

For course costs, times, locations, etc., please contact the Division of Athletics and Recreation Association, Dalhousie, or call 424-2152, local 136.



Nancy Weeks, a student at Dalhousie, undergoes treatment for an ankle injury, under the care of Jim MacLeod. After the whirlpool, she performs motion exercises—she writes the alphabet (in the air) with her foot. (Kerr photo)

Administrative staff *Cont'd from page 2*

to all concerned explaining this point and his letter was released on January 28, 1980."

The committee then invited the administrative group to a meeting on March 26.

At that meeting, the progress of the committee to date was explained and, after questions and discussion, the committee put forward a motion to the effect that members of the administrative group approve in principle the

recommendations (made in the March 19 letter) and that the committee proceed toward a modified Tenhaaf plan with the aim of submitting the plan to the Administration by June 1.

The meeting approved this, but asked for an amendment, namely that the proposal, when modified, be placed before the group of 140 for final approval before being submitted to the Administration. This, too, was approved.

Dentistry blanks medicine for intramural crown

by Joel Jacobson

The Faculty of Dentistry has taken top honors in inter-faculty sport, breaking medicine's four year reign.

The race for men's supremacy was a tight one with the tooth-pullers just edging the medics. The dentists coped women's and co-ed sections for the second straight year, and finally took overall supremacy.

For the first time, outstanding male and female intramural participants were selected. **Brad Goodine** of dentistry was chosen top male and medicine's **Jane Henderson** was named top female. Each received a sweatsuit and kit bag from Wendy's Hamburgers who have participated in intramural sport at Dalhousie with promotional support.

The above awards and presen-

tations were made last Monday evening at the annual Intramural Awards Banquet sponsored by the Division of Recreation and Athletic Services. **Nila Ipson**, coordinator of intramural and club sport for the division, termed this year the best ever. "We have had more than 4000 participants in intramural sports. The different sport convenors working for the division and those coordinating the efforts of the different faculties and competitive groups did an outstanding job putting the schedules and competitions together. It is so very important that students and faculty have this athletic outlet and this year's participation proved again how valuable an activity intramural sport is."

As outstanding male participant,

Goodine, a fourth year student in dentistry, participated in 17 different sports during his career. He played on championship teams in football, ice hockey, soccer and men's volleyball, and co-ed broomball, softball and basketball. In two consecutive years, he won the Dental School award given to the person contributing most to sports in dentistry. Goodine also contributes to the other areas of dentistry. He was class president in his first year, president of DDDS twice and a hard committee worker in the School.

Henderson, a second year med student, played five sports this year—soccer, women's softball and basketball and co-ed basketball and broomball. She rarely missed a game and was one of the important people

behind the scenes, organizing and encouraging participation. In addition, she was vice-president of the second year class and will be president of the Dal Med Student Society next year.

Also cited for outstanding service were **Roy Stanley** (broomball and bowling) and **Randy Armstrong** (volleyball) who received outstanding convenors awards.

Wendy's representatives indicated greater participation by the fast-food outlet next year. They have taken advertising space in the *Gazette* and presented outstanding participants awards and will continue that program next year. In addition, Wendy's hopes to add more promotion to intramural sport next year.



Jane Henderson from medicine receives a plaque and a sweatsuit from Wendy's Restaurants Ltd. representative Joe Vucko. (Grandy photo)



Roy Stanley (right) received the supremacy award for the faculty of dentistry (assisted by Brad Goodine, left). Roy was also cited for outstanding service—he and Randy Armstrong received outstanding convenors awards. (Grandy photo)



Brad Goodine from dentistry was chosen top male participant. (Grandy photo)

Dal masters, phys-ed faculty tie in swim meet

It may come as no surprise that the faculty and grad students of the School of Physical Education won the First Annual Faculty/Grad Swimming Meet, but it might be startling to know that a group of "master swimmers," an independent group of men and women who swim together for exercise, tied them.

On Friday, March 28, these and other swimmers, numbering about 60 in all, from 12 different departments and faculties, engaged in competitive, and "less competitive" events at Dalplex Pool.

The Dalhousie Masters Swimming Club, led by Professor **John Farley** (Biology), entered one of the smallest teams (only four), but dominated the men's events. Farley, **Brian Sheridan**, and **Josh Leon** won five events between them, second in several others, and led the winning relay teams in the 4 x 25 freestyle, the

"ping-pong" relay (in which competitors exchanged a rubber ball in turn, without using their hands—an event in which the Masters were tied by Phys Ed), and in the "T-shirt" relay, involving the wearing and transfer of a wet shirt.

Top individual honors in the women's events went to **Sue Moore** and **Wendi LaCosta** of physical education. Moore won the 200 meter event, while LaCosta took top marks in the 50 breast-stroke, with a second place finish in the 200. **Jean Hughes** of Nursing led a surprisingly strong team to a 4th place finish by winning the 50 meter sprint.

The team race was so close that it wasn't until the final event, the "cannonball splash" contest, that the Masters managed to pull even with the larger Phys Ed team, resulting in the final tie. Second place overall went to

geology, which had the largest team, a total of 12, followed at a distance by chemistry, nursing, history and math (tie for fifth), oceanography, preventive medicine and english.

Meet organizer, Professor **Malcolm Burson** (history) was enthusiastic about the turn-out, and reported that several teams were already planning their strategies for next year. These discussions took place over refreshments at The Earl of Dalhousie, where awards in the form of beverages were given to all the members of the two winning teams, and the largest team. Several members of losing teams were overheard to grumble about the "ringers" brought in by Phys Ed, but a close scrutiny of the entries proved them wrong. PE managed to stay barely within the rules about numbers of grad. students and previous experience.

Sports Briefs

Phys-ed demonstration

A physical education demonstration, which will include modern dance, rhythmic gymnastics, folk and square dance, and men's and women's artistic gymnastics, will be held at Dalplex Wednesday, April 9, from 12:30 to 1:30 p.m. Spectators are welcome. Admission is free.

Easter hours at Dalplex

Dalplex will be closed all day Friday, April 4 (Good Friday), but will be open as usual Saturday, Sunday and Monday.

Sport Review Volleyball

While all other varsity sport has come to a halt for the current season, the volleyballers continue to attack and block and spike.

Both men's and women's Dal Tigers have qualified for the national senior AA championships which will be held at Dalplex April 25 to 27. They did that by taking the Nova Scotia senior title two weeks ago.

Last weekend in St. John, N.B. both Tiger teams finished second at the Atlantic zone championships and both teams lost to season-long nemeses.

The men dropped a five-game final to Sunbury. The Fredericton crew had beaten Dal in the finals of two earlier tournaments while the Tigers beat Sunbury twice during the Dal Classic.

Phil Perron, Tiger captain and MVP, was named an all-star at this

tournament for the second year in a row. **Sandy MacLean** did a superb job setting, while **Andy Stuart**, inserted in game three, turned the match around with excellent defence and saves.

Dal lost the first two games 15-8, 15-6, came back to win 15-7, 15-12, and lost the rubber match 15-13.

The women again found Memorial difficult to overcome.

After going undefeated through round robin play and trouncing Memorial 15-8, 15-6, 15-2, the Tigers lost a five-game final to their Newfoundland rivals. The Tigers had beaten Memorial for the AUSA championships last month.

Karin Maessen and **Karen Fraser** were named to the Atlantic all-star team. JJ

IPA offers course on building or buying a home

Dalhousie's Institute of Public Affairs will sponsor a five-evening, weekly lecture-discussion series on building and buying homes, in cooperation with Canada Mortgage and Housing Corporation.

The series is intended for prospective homeowners who are planning to buy or to build, and will be given at 8 p.m. on Tuesdays from April 8 to May 6, in Room 117, Sir James Dunn Science Building.

Topics in the series include renting versus homeownership, methods of financing, legal aspects of ownership, contracts and liens, selection of site and neighbourhood, appraisal principles and considerations, elements of construction, "do-it-yourself" guidelines and limitations, etc.

The introductory lecture, on Tuesday, April 8, will be given by **A.R. Pitt**, Nova Scotia Director/Manager, Canada Mortgage and Housing Corporation. Renting versus ownership, rights and expectations of tenants, methods of financing, down-payment requirements, mortgages, titles, insurance premiums, and National Housing Act requirements will be discussed.

Peter J.E. McDonough, of McInnes, Cooper and Robertson, will lecture on legal aspects of ownership, taxation, building contracts, liens and holdbacks, mortgages, etc., on April 15.

The third session, entitled the *Homesite Environment*, April 22, will be given by **Peter Klynstra**, Landscape Architect, CBCL Limited. Attention will be given to the selection of neighbourhood and site in relation to standard services, landscaping and future growth.

The following week, on April 29, **Kell Antoft**, of the Institute of Public Affairs will discuss materials, methods, finishing, the opportunities and

limitations of "do-it-yourself" approaches, and what to look for in buying an older house.

The concluding session, on May 6, will deal with principles and considerations taken into account by professional appraisers. The speaker will be **Sydney J. Langmaid**, Appraisal and Real Estate Consultant, DeWolf Real Estate Co. Ltd. Associated with Mr. Langmaid will be **David Verge**, Branch Manager, Nova Scotia, New Home Certification Program of the Atlantic Provinces.

Fee for the series is \$8 for a single registrant and \$10 for a couple. Illustrative materials will be used, and a number of publications will be supplied without charge. For further information, contact the Institute of Public Affairs at 424-2526.

IWK offers lecture series

Dr. Richard Goldbloom, physician-in-chief of the IWK Hospital for Children, will be the lead speaker in a three-part series of lectures beginning April 9.

The lectures, which are free and open to the public, will be given each Wednesday evening at 8 p.m. in the O.E. Smith Auditorium of the hospital.

The title of Dr. Goldbloom's address is *The Most Common Questions a Pediatrician is Asked*.

The second lecture, to be given by **Dr. J. Hindman** on April 23, will be entitled *Old Wives Tales I have Known—Facts and Fallacies About Bone Development, Posture, Shoes*.

Children's Rights—Do They Have Any will be the subject of **Dr. John Anderson's** talk on April 30.

Threshold Award winners

Cont'd from page 3

have made practical application of the most advanced scientific knowledge to create self-sufficient ecosystems which conserve and preserve, not deplete, natural resources.

The Todds' have set up two demonstration projects, on Prince Edward Island and at Woods Hole, to illustrate their practical application of scientific advances in agriculture and aquaculture. "These bioshelters, or 'Arks,'" says Mr. Morton, "are functional illustrations that an entirely self-sufficient environment can be created and empowered using only that which nature herself provides in abundance: the sun, the wind, the waters. Food is secured by natural harvest from the plants that grow within the greenhouse, and fish are drawn from large tanks which also play a part in the solar heating and cooling systems of the shelter."

The Threshold Award, referred to by some as "a corrective to the Nobel prizes", was initiated in 1978 by a group of intellectuals who were in-

terested in recognizing great thinkers, not in selected areas of study, but in the area of holistic thought. With a prize of \$50,000, the award is meant to honor the person or persons who transcend the water-tight compartments of particular disciplines or cultures, who are exploring new thresholds, and who are developing the concept of a single order of reality, including inner experience as well as outer experience.

The winners of the 1979, the first, Threshold Award were **Professor Mircea Eliade**, well known for his numerous books on yoga, alchemy, myths, symbols and the history of religion, and **Dr. Lewis Thomas**, president of the Memorial Sloan-Kettering Cancer Centre and author of *The Lives of a Cell* and *Medusa and the Snail*.

Each member of the Advisory Council and of the Selection Committee of the Threshold Award was entitled to nominate one person or project for the award. This year's Selection Committee, consisting of such eminent thinkers as: **Dr. Abdus Salam**, this year's Nobel prize winner in physics; **Dr. Maurice Wilkins**, a former Nobel prize winner in medicine; **Dr. Olga Petre-Quadons**, Belgian neurophysiologist, **Dr. Amory Lovins**, author of *Soft Energy Paths*; **Dr. John Hasted**, chairman of the department of physics at the University of London; **Mr. James George**, diplomat; **Dr. Pamela Travers**, author and mythologist; **Dr. Hilary Armstrong** of Dalhousie University's classics department; and **Dr. Ravindra** met at the end of February, in London, England, to choose this year's recipients.

Last year, while on leave of absence from Dalhousie, Dr. Ravindra acted not only as chairman of the Selection Committee of the Threshold Award, but also director and coordinator of the new international award program. This year, administration of the award was taken over by his wife, **Dr. Sally Ravindra**, formerly a professor in Dalhousie's School of Social Work.

Workshop for nurses

A workshop for registered nurses: *Should We Believe What We Read?—Eleven Critical Questions to Ask When Evaluating Nursing Research Reports*, will be held on Wednesday, April 9, 1980 in Halifax.

This workshop is focused on developing the participants' abilities to critically evaluate research reports prior to considering the findings in respect to modifying principles of nursing practice.

Dr. Ruth MacKay of Dalhousie's School of Nursing will be conducting the workshop.

For more information contact the School at 424-2535.

Faculty Club news

Easter Hours

The Club will be closed on Good Friday, April 4, and on Saturday, April 5.

On Easter Monday, April 7, the main dining room will be open only from 12 noon until 2 p.m. and closed for the rest of the day.

The Earl of Dalhousie, however, will be open from 12 noon until 11 p.m.

Two-fers during the week of March 31-April 5 will be held on Thursday, April 3, from 4:30 to 6:30 p.m.

Sponsored Two-fers:

W.F. Morneau and Associates (benefit program advisers to the university) have again generously agreed to sponsor a Two-fers, on this occasion on Friday, April 11.

Hip of beef will be served **free** to members and spouses. Guests will pay only \$2.

Serving of the hip will begin at 6 p.m.

Learn your second language . . . and enjoy Toronto too.

York University offers a French or English summer language program for students and teachers from June 30 to August 8, 1980. Bursaries are available to cover all costs of tuition and accommodation and may be applied for through your provincial co-ordinator (for N.S. it is **Mr. J. Roland AuCoin** at 424-6646). Teachers and/or non-bursary students should contact: York University, Centre for Continuing Education, 4700 Keele Street, Downsview —(Toronto) Ontario, M3J 2R6.

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

Final deadline for inclusion of items in the paper is noon the Friday preceding Thursday publication.

The staff includes: Derek Mann, Editor-in-Chief, Gina Wilkins, Editor; with the assistance of Cathy Kerr, Roselle Green, Pam McWhinnie,

Doreen St. Onge, Marge Veitch, Barbara Hinds, Dalhousie Graphics and Dalhousie Photography Services.

Inquiries and contributions should be sent to The Editor, University News, Information Office, Killam Library, Dalhousie University, Halifax, N.S., B3H 4H8. Tel: 902-424-2517. Registered as third class mail: permit number, Dartmouth, N.S. 59.

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April 3, 1980

Calendar

Thursday, April 3

DSA. 12:30 noon. Theatre B, Tupper Bldg. Monthly general meeting.

Art Gallery Film Series 12 noon. (406). MacAloney Room The Forbidden City.

Music. 12:30 noon. Sculpture Court, Arts Centre. Musica Antiqua recital.

United Church at Dal. 12 noon. Rm. 316, SUB. Last regular meeting of the year and a celebration of Maundy Thursday.

Theatre. 8:30 p.m. Dunn Theatre, Arts Centre. Two plays by Eugene Ionesco—The Bald Soprano and The Lesson will be presented. Continues until April 6.

Law Hour. 11:30 a.m. Rm. 115. Weldon Bldg. Abdeen Jabara, Arab-American lawyer from Detroit, "Palestinian Rights and the Occupied West Bank."

African Studies seminar. 4:30 p.m. 1444 Seymour St. M. Grieve, "Political economy of health policy in Sierra Leone."

Biology seminar. 11:30 a.m. Rm. 2970, LSC. Dr. Kraft vanMaltzahn, "The mind and the eye."

Art Gallery lecture. 8 p.m. in the Gallery. Guest curator, Tom Whiten, will present a performance piece at the new exhibition opening.

AMC seminar. Advertising and marketing strategy. Seminar leader is Steven Parker. Continued from yesterday.

Intern'l Student Co-ord. sponsored film. 8 p.m. Student Lounge, Arts Centre. Passenger. Polish with English sub-titles.

Friday, April 4

Good Friday

At the Cohn. 8:30 p.m. Arts Centre. Bach's St. John Passion. Dr. W. Kemp will conduct the Dalhousie Chorale, selected soloists and orchestra.

Sunday, April 6

Dal Film series. 8:00 p.m. Rebecca Cohn Aud., Arts Centre. Violette Noziere.

Monday, April 7

Easter Monday

Part-Time Studies Shakespeare's plays. 7:00 p.m. MacMechan Aud., Killam Library. Henry IV (Part 11) with Bruce Stovel and Ron Huebert.

Tuesday, April 8

At the Cohn. 8:30 p.m. Arts Centre. Jose Molina Bailes Espanoles. A Spanish song and dance show.

Art Gallery. 7:30 p.m. Guided visit of the exhibition and a discussion of the Fifth Dalhousie Drawing Exhibition.

AMC Seminar. Financial management workshop for non-financial managers. Resource team is Cecil Dipchand and Carson Duncan. Continues until April 10.

Wednesday, April 9

DWFO. Deadline for nominations for executive positions.

Pediatric public lecture. 8:00 p.m. O.E. Smith Aud., Killam Hospital. Dr. A. Goldbloom, "The most common questions a pediatrician is asked."

Art Gallery. Evening film series. 7:30 p.m. in the Gallery. Art Park People.

Biological-Oceanography seminar. 4:00 p.m. Rm. 4660, LSC. Leonard Mukai, "Cell wall studies, protoplasts, and a Super Seaweed."

At the Cohn. 8:30 p.m. Arts Centre. Notre Petite Ville. Play by Thornton Wilder will be presented in French.

International Business Studies seminar series. Roundtable discussion. 7:00 p.m. Rm. 4208, LSC.

Thursday, April 10

Classics public lecture. 8:30 p.m. MacMechan Aud., Killam Library. Alexander G. McKay, McMaster Univ., "Pleasure domes at Baiae (campania)." Sponsored by Dalhousie and St. Mary's universities.

Art film series. 12:00 noon. MacAloney Rm. (406), Arts Centre. Art Park People.

At the Cohn. 2:30 p.m. matinee and 8:30 p.m. Les Femmes Savantes. Moliere's classic comedy, in French.

Art Gallery tour. 11:00 a.m. Guided visit of the exhibition in the Gallery.

Biology seminar. 11:30 a.m. Rm. 2970, LSC. Dr. Mary Winsor, Univ. of Toronto, "Historical notes on the relations between taxonomy and the theory of evolution."

Art Gallery Exhibitions

April 3—May 4
The Fifth Dalhousie Drawing Exhibition.

Note: Deadline for submissions to the Calendar is Thursday noon before next Thursday publication. Increased volume of Calendar submissions has necessitated this change.

Notices

Dons needed at King's

Donships are available at the University of King's College for the academic year 1980-81. Candidates at least two years beyond the undergraduate level are preferred. Duties include discipline and tutoring. The positions provide free room and subsidized board. Applicants are asked to send an up-to-date curriculum vitae to the Dean, University of King's College, Halifax, N.S. by **April 15, 1980.**

Notices

For Italian Renaissance art buffs

The York University Faculty of Fine Arts is offering studies in the art and architecture of Italy, particularly Florence. The courses, to be held in Florence during the summer of 1980, will provide an opportunity to study first hand the art and architecture of the 14th to 16th centuries in Florence and surrounding areas. Participants will view the paintings, sculpture and architecture of Giotto, Lorenzetti and Botticelli, to name a few. Visits to the churches, palaces and galleries of Florence will be supplemented by trips to Assisi, Siena, Padua, Pisa, Arezzo and Mantua. The prerequisite for the course is an introductory course in Art History or a Humanities course, or permission of the Department of Visual Arts. Applications must be received no later than **April 4, 1980.** For further information, please contact the Information Office, Killam Library (424-2517).

And for those who want a little spice in their lives...

If you are looking for some excitement, a little adventure to fill in your summer, there are plenty of opportunities around. Here is one **Jim Hoyle**, of the School of Physical Education, pointed out recently.

"Voyageurs 1980" are promoting a three month canoe trip down the Danube by canoe from Regensburg, Germany to the Black Sea. The river runs through or by Germany, Austria, Czechoslovakia, Hungary, Yugoslavia, Bulgaria and Rumania. Side trips to Odessa and Moscow are planned to coincide with the Olympic Games (should they take place). It is proposed to include one paddler from each province and territory. The cost is not known yet but will be minimized by camping and hostelling. More details may be obtained from Miss **Terri Pottie** at Stairs House. Applications should be made directly to: **Mr. Murray Logan**, 60 Pleasant Street, Dartmouth, N.S. B2Y 3P5.

If you are interested in an adventure for the summer, this opportunity should not be missed!

DWFO elections

Elections for the executive of the Dalhousie Women's Faculty Organization will take place at the next meeting to be held on Friday, April 11 at 1 p.m. in the Dalhousie Faculty Club.

Nominations for the positions of President, Vice-President, and Secretary/Treasurer, are to be sent to **Christine Ball-MacKean**, c/o Information Services, Killam Library by Wednesday, April 9th.

Other items on the agenda for this meeting include summer plans for DWFO, and discussion of proposed DWFO constitution.

Awards

The following awards are currently available. For further information, call in person at the Awards Office, Room 124A, A & A building, or the Faculty of Graduate Studies, Room 314, A & A building, whichever applies.

The Halifax Branch of the Canadian Federation of University Women—Bursary. A \$600 bursary will be awarded to a female applicant who has been accepted for a degree at an accredited university and who has been out of school or university for at least five years prior to embarking on the present program of study. Applications will be accepted up to **April 15, 1980.**

Fee Support Scheme for overseas research students in Great Britain. Some 400 to 500 awards are available to overseas postgraduate students. No deadline date available. (Info at Awards Office).

The Association of Commonwealth Universities Administrative Travelling Fellowships, to allow established administrative officers to visit universities in the Commonwealth to study problems of professional interest to themselves and of importance to their own universities and countries. **Deadline for applications is April 11. Contact the president's office for further information.**

Awards for Graduate Research in Mental Retardation and Related Areas—The National Institute on Mental Retardation is offering Research/Study Supplements to students enrolled in graduate studies at a Canadian university and planning a career directly in the field of mental retardation or an associated professional field. The award offers up to \$1,000 per year for two years to students who have financial support for a particular area of enquiry and require supplemental funds to offset the costs of dissertation research or program of study. Deadline for application is **April 11, 1980.** (More info at Graduate Studies)

Italian government scholarships for Italian citizens permanently residing abroad. Eight month scholarships valued at 300,000 Lire per month plus insurance premiums plus airfare to and from Italy, commencing Nov. 1, 1980, for doctoral students. Deadline for applications is **April 15.**

Awards for Graduate Research in Mental Retardation and Related Areas. This award, Type B, offers up to \$1,000 per year for two years to students who have financial support for a particular area of enquiry and require supplemental funds to offset the costs of dissertation research or program of study. Conditions for acceptance are the same as the Type A award above. Applications are to be received no later than **April 11, 1980.**