

queph



UNIVERSITY NEWS BULLETIN

Volume 23 Number 41

79 12 13

SEASON'S GREETINGS

As the year draws to a close, I would like to express my sincere appreciation to all members of the University community for their support and assistance during 1979.

May you all enjoy a happy holiday season and the most pleasant of new years.

A handwritten signature in cursive script, appearing to read 'A. Horst'.

President



Importance of research emphasized

Research is an important link between the University and the community, President Forster emphasized in a recent address to the Rotary Club of Guelph. An indication of the University's stature in research, he said, is that Guelph is now among the top five recipients in Canada of university research funds; also that Guelph has received over 10 per cent of the monies awarded to Canada's universities under the Strategic Grants Program of the National Science and Engineering Research Council. The Program's grants are awarded for research projects considered high in national priority.

President Forster referred to the University's unique facilities, and noted that a number of organizations have located in the Guelph area specifically to be in close proximity to the University. He also told Rotarians that about 75 per cent of the University's research effort goes into applied projects such as peanut research and the recently announced co-operative research program with Texaco Canada Ltd. In the latter program the feasibility of using low grade waste heat from the Nanticoke refinery to heat greenhouses will be studied.

President Forster also brought Rotarians up-to-date on the University's enrolment statistics, student attitudes and financial problems. The whole system has had to cope with restricting funding in recent years, he pointed out. "All the fat has been trimmed and we are now cutting into the bone of the

system," he said. Funds being allocated to maintenance of the physical plant are now insufficient; they are well below what most industrial concerns would consider adequate. Referring to Guelph he said that over three years base budgets may have to be trimmed by almost 10 per cent. □

University Canada

An Institute for Human Performance, the first facility of its kind in Canada, has been established at Simon Fraser University to assist athletes whose abilities range from neighborhood to world calibre.

The new Institute established by SFU's kinesiology department in association with the athletics department, has three objectives:

To serve as a focus for research on human performance and sport;

To provide performance and fitness assessment, counselling and scientific advice to athletes, teams, business and labor groups, and the general public.

To offer non-credit educational programs on human performance and sports issues.



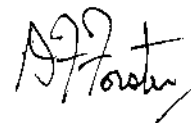
The University of Victoria is offering credit courses to about 60 students via satellite on an experimental basis. Television monitors at five locations in the province offer students two-way communication with the instructor during the lecture. The university programs are broadcast from the campus of the British Columbia Institute of Technology in Burnaby using the federally-owned Anik-B satellite.

Campus United Way response largest ever

To All Members of the University:

I have been informed that the University's campaign organizers have turned over, this year, to the United Way Office in Guelph the largest amount ever collected by the University division. The total is \$37,173.

I am delighted with the results and would like to thank all those who worked hard during the campaign and the University community as a whole for responding so generously.



D.F. Forster, President

Art Centre capital fund campaign update

Early returns from the University Community for the new Macdonald Stewart Art Centre capital fund campaign are encouraging, reports committee chairman Professor Murdo MacKinnon. Results to date show 79 gifts for a total of \$7,305.

A volunteer network of canvassers has been assembled and is now covering all Departments within the University. In most cases, canvassing will be completed by the end of December.

Adjacent to campus, the Centre will occupy the old Macdonald Consolidated School on the northeast corner of Gordon Street and College Avenue. The facade of the historic building will be preserved, but the interior will be completely modernized to meet international art gallery standards. As its main resource, the Art Centre will display a rotating selection of the University's 1,000-piece collection of Canadian art. Currently the collection is difficult to view because it is dispersed among various campus buildings.

Art Centre campaign leaders hope the nearly 3,000 University community members will be especially generous toward this long-needed art facility. Gifts may be pledged over a three-year period; receipts are issued immediately for tax purposes. Each contribution is doubly important, too, because it is matched dollar for dollar by Wintario. Other campaign committees are busy soliciting support from the local community and national corporations.

For further information please contact Prof. MacKinnon, Ext. 3894. □

Christmas schedule Intersemester Library hours

McLaughlin Library

Tuesday, December 18 (last day of exams)	08:30 - 22:00
Wednesdays and Thursdays (except Dec. 26, 27 and Jan. 9)	08:30 - 19:00
Fridays	08:30 - 17:00
Weekends (except Sun. Dec. 30)	12:00 - 17:00
DECEMBER 24, 25, 26, 30, 31 and JANUARY 1	CLOSED
Thursday, December 27	08:30 - 17:00
Monday, Tuesday, Wednesday, January 7, 8, 9	08:30 - 21:00

Regular semester hours will resume Thursday, January 10, 1980.

Veterinary Science Section

Tuesday, December 18 to Friday, December 21	08:30 - 17:00
Saturday, December 22 and Sunday, December 23	13:00 - 17:00
Monday, December 24 to Wednesday, December 26	CLOSED
Thursday, December 27 and Friday, December 28	13:00 - 17:00
Saturday, December 29 to Tuesday, January 1, 1980	CLOSED
Wednesday, January 2 to Friday, January 4,	08:30 - 17:00
Saturday, January 5 and Sunday, January 6	CLOSED

Regular semester hours will resume Monday, January 7, 1980.

Interlibrary loans

While interlibrary loan requests will be accepted and processed by Library staff throughout the Christmas period, normal delivery service will be curtailed from Monday, December 10 to Friday, January 5, inclusive.

During this period the Inter-University Transit System will not be in operation and many libraries fear the loss of valuable materials in the Christmas rush of mail. For these reasons, any items not received by December 10 may not be available before the beginning of the winter semester.

THE ASSOCIATION of Universities and Colleges of Canada seeks an executive director to direct and administer the activities of the Association.

Nominations and/or applications should be accompanied by a curriculum vitae to R.E. McMonagle, Stevenson and Kellogg Management Consultants, 2300 Yonge Street, Toronto, Ontario, M4P 1G2.

Christmas carol book designed for senior citizens

Seventy-five senior citizens in an old people's home and a sessional lecturer in the Department of Music, Mrs. Susan Baker, are collaborators in a project that has filled them all with a great deal of pride and satisfaction.

Mrs. Baker and the senior citizens have produced two volumes of music to go with songbooks for the elderly published by the Ontario government and containing words but no music. The first, *Sing Out!* was produced two years ago when Mrs. Baker was still a student; the second, *Sing Out — Christmas Songs and Carols for Senior Citizens*, came off the presses recently, just in time for Christmas.

When residents of the senior citizens' home, administered by Mrs. Baker's mother, received the first songbook they applied for and were given a New Horizons federal grant to produce, publish, print and distribute an accompanying book of music. They then

approached Mrs. Baker and asked her to write the book. The task for this project and for the succeeding one, the carol book, presented a number of difficulties, according to Mrs. Baker. The search for the music took her to numerous music stores in Toronto, libraries and even through attics. Some music was out of print, but eventually only two Christmas songs eluded detection.

A number of restraints were borne out of Mrs. Baker's sympathy and understanding for the seniors at the home which, since she was a child, had been almost an extension of her own household. She knew that a certain number of residents had arthritis and failing eyesight and it was essential to write the music so it was easy to play, had few pages to turn quickly, and large enough to be read without trouble. She also knew that many of the same people had their A RTC's and had been church organists in their time, so she endeavoured to produce music with as interesting an arrangement and as full a sound as possible. With the residents' help she explored the pitch to find one that suited most of them. The range of the alto voice was the most acceptable, but she also found that what was best for singing was not always the best for playing and had to come up with a compromise.

The first songbook was such a hit that the residents were receiving, at times, 100

requests a day. They decided to put the second volume in the hands of a publisher, Gordon Thompson, who has also taken over the printing and distribution of the first volume.

Mrs. Baker plans on a trip home for Christmas and, although her mother retired from her position at the senior citizens' home this past summer, she says she will make a point of dropping in on her friends. And no doubt soon after her arrival the strains of *Love's Old Sweet Song*, *Daisy, Daisy*, *Once in Royal David's City* or *Jingle Bells* will fill the halls. □

Guelph sponsors Junior Olympics

For some Wellington County boys and girls aged 12 to 16 participation in the Olympics may one day be a reality. The Department of Athletics in recent weeks, has given them an exciting start in mastering the art of wrestling, volleyball and Nordic skiing through its Junior Olympics program, sponsored by the Royal Bank in co-operation with the Inter-Universities Athletics Union.

The three one-day workshops were especially valuable because of the calibre of each of the head clinicians. The Department's Londo Iacovelli, who introduced 40 boys to the intricacies of wrestling Sunday, November 25, in the Athletics Centre was Olympics freestyle coach in 1976 and a man who has groomed a number of Canadian champions. Andy Longpre, who was outstanding wrestler at the CIAU tournament last year, and other members of the University's wrestling team were also on hand to demonstrate and coach the boys when they broke into smaller groups. The Canadian Olympics representative was also present to watch the proceedings.

Larry Pearson, who headed up the clinic on volleyball Saturday, December 8, at Centennial CV I, coached the Gryphons to the Ontario Universities Athletics Association championship and was named Ontario coach of the year in 1978. OUAA all star, Tony TenWesteneind, captain of the Varsity volleyball team and a member of the Canadian Junior team as well as other Gryphon team members also assisted with the 100 boys and girls who attended this workshop.

Mark Fletcher, who will run the Nordic skiing clinic for another group of 100 youngsters on campus Sunday, December 16, is a member of the southern Ontario ski team. Other members of the team will be on hand to work with the young people on a one-on-one basis. □

THE HUMANITIES Association of Canada, Guelph chapter, is offering an illustrated lecture by Professor Mary Woodside, Department of Music, featuring Russian music of the 19th century Friday, January 25 at 8 p.m. in Room 107 of the Arts building. More details to follow.

CANSAVE Christmas Cards are on sale in the Campus Co-op in the courtyard of the University Centre.

APPLICATIONS are invited for the position of Dean of the Faculty of Science at Saint Mary's University.

Written applications, with a resume and the names of three referees, should be sent to: Dr. W.A. Stewart, Academic Vice-President, Saint Mary's University, Halifax, Nova Scotia, B3H 3C3.

Dean Wardlaw to take leave before beginning third term

Professor Janet Wardlaw, Dean of the College of Family and Consumer Studies, will set aside her administrative hat for several months in 1980 to become a visiting professor in the Department of Health Behavior and Health Education at the University of Michigan's School of Public Health. She is especially interested in their approach to the behavioral and public health aspects of nutrition.

The six-month leave will end in July when she will start serving a further three-year term as dean. Prof. Wardlaw had planned to take a year's leave in 1980 at the end of her term, but when the selection committee invited her to consider taking another term, she decided to continue. "Being dean during the formation and evolution of the College of Family and Consumer Studies has been both exciting and rewarding," she comments. "Since 1969 we have experienced many changes and innovations within the College and at the same time it has grown considerably." □



Having developed to complement the other disciplines on the Guelph campus, the College of Family and Consumer Studies has encompassed a unique range of disciplines. Without any existing models to follow, the College has evolved into a dynamic association of faculty with diverse academic backgrounds but with a common interest in applying their basic disciplines to people-oriented issues. "In the last five years," observes Prof. Wardlaw, "the faculty have established effective cross-disciplinary lines of communication and through this effort have developed some unique approaches in both teaching and research. In the last year research output has increased dramatically and the momentum continues."

Prof. Wardlaw feels it is useful for administrators to take a few months away to gain a new perspective. "After returning from my last leave, I had a renewed appreciation for the University as a whole and a better insight into our particular concerns within this College."

As a nutritionist Prof. Wardlaw looks forward to the stay at the University of Michigan because their approach to health behavior is "relevant to our view in this College that nutrition is a behavioral as well as a biological science." □

The Inne

The Wizard of Oz, who was something of an expert in theatrical effects, would be green with envy if he knew of the facilities of the Inner Stage. The University's little theatre and training ground for the Department of Drama's technical and acting students is exceptionally well endowed, with a computerized light cue system, an extensive network of grids and lights, workshops capable of producing almost anything required and, when renovations are completed, a sensitive and efficient sound system.

Gone are the days, says Drama Professor Bruce Koenig, of trying to project other sounds above the patter of rain, only to have the rain sound like machine gun bullets! The Inner Stage's 10 year old system will soon have the capability of locating at least four different sounds, each on a separately controllable channel, in various parts of the theatre.

And the computerized cue system operating the lighting already has 99 per cent of the functions one would ever want, says Prof. Koenig. It consists of a TV monitor, a terminal board capable of storing 200 memories or 9,600 separate pieces of information, and a manual two scene preset board. At its best, the equipment allows the operator to do with three fingers what 10 hands did formerly.

The system can be worked entirely manually or automatically, or anywhere in-between. For this reason, it is an excellent learning device, says the Drama professor. Students use it to learn the principles of electrical stage lighting from the most primitive to the most modern. Should a light suddenly malfunction or drop out of focus, the operator can get into the memory store and wipe out that light without disturbing the rest of the sequence. The memory and playback stores are separate, so that he or she can also set up and feed in the next lighting cue at the same time that others are operating automatically. This facility alone has cut lighting rehearsal time in half, according to Prof. Koenig.

Students here, says the professor, also have a remarkable opportunity to work and experiment with a large number of different lights. The grid that covers the theatre ceiling is bristling with them. But a teaching institution, claims Prof. Koenig, cannot have too many. Because of their familiarity with the equipment at Guelph, students know what to buy, how to adapt, substitute and economize, when they take up positions in other theatres following graduation.

Allan Watts, who, in addition to teaching the technical courses, "Theatre Crafts" and "Stage Practice," designs some of the sets and costumes for the Inner Stage, was watching finishing touches being applied to his set for the Jacobean play, *A Chaste Maid in Cheapside*, the day the *News Bulletin* interviewed him. He explained how he had tried to create a feeling of movement through three flights of stairs, several landings, a balcony and a number of doorways, and a feeling of the period's decadence by rough timber and hewn stone. All the while he had to bear in



A student secures a ruffle of lace. Mr. Watts's designs are on the wall behind.



Allan Watts explores ways of making styrofoam resemble chiselled stone.

to manoeuvre between the back of the set and the outside wall, and they would have to descend from one level to another by means of a backstage ladder.

Similar to Festival Theatre

In terms of actor-audience relationship, the University's theatre stage is similar to that of the Festival Theatre in Stratford. Its lack of wings and proscenium arch, and the positioning of the audience, rule out the use of large, flat surface or flown scenery. To meet its demands, Mr. Watts nearly always designs a set that will remain in place throughout the play and be capable of reflecting several locations, both indoors and out. Props and lighting, therefore, become tremendously important in establishing the locale, he said.

Since the sets must be three-dimensional and, with the audience so close, carefully detailed, it is good that Guelph's theatre workshops have the facilities to build everything from a secretary's desk and a grandfather clock to a grand piano. The piano, in fact, was so convincingly real that, according to Prof. Koenig, a member of the audience offered to buy it.



Dean Hall adjusts a ruff.

mind the Inner Stage's layout and limited space, he said.

Unknown to the audience, the actors would have only three feet of space in which

er Stage



Prof. Koenig explains the specifics of building the set.

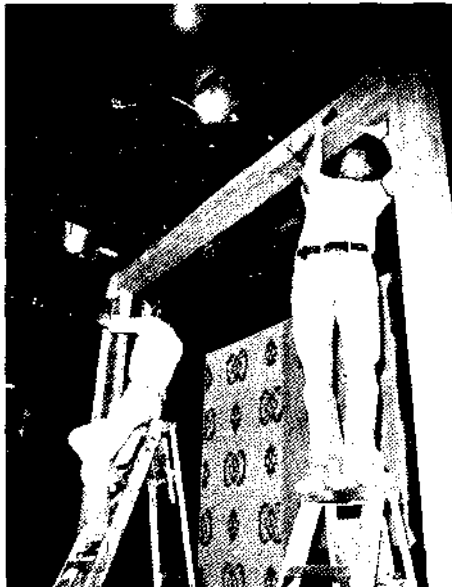


A student, turning a bedpost, checks her work with calipers.

One might imagine that the male students are busy building sets and props while the female students work on the costumes, but not so. The Department discourages specialization too early and, in any case, everyone has to take his or her turn in all aspects of the productions, says Prof. Koenig. And amazingly enough, the women often prove to be the better carpenters, the men better sewing costumes.

Dean Hall, a graduate of the Department who is in charge of costuming, was busy on a pair of boots when the *News Bulletin* visited him. He was adding enormous, floppy tops made from celastic which, when soaked with acetone, becomes pliable and can end up looking very like leather.

Mr. Hall's biggest challenge, he says, is to achieve the look Mr. Watts's designs dictate, using the variety of materials available or affordable. In some cases, he adapts costumes already owned or rented, in others he concocts. Inexpensive Chinese slippers bought in bulk are slashed at the toes, covered with brocade and become shoes of the 16th or 17th century. Close fitting coil bonnets or sugarloaf hats are cut from Mr. Hall's own basic patterns.



Up goes the set!

A bit of fringe is added to a gown here, a belly pad rounds out a jacket there, and slowly the characters begin to emerge.

Mounting a performance is an adventure

for all concerned. Department chairman, Professor Eric Salmon, indicated that the plays cannot even be chosen until the enrolment each semester is known. The works selected must provide each acting student with a fairly substantial speaking part and, at the same time, give the technical students equally exciting challenges, he said.

Students Run the Performances

Members of the Department emphasized the unusually long hours of hard work expected of the students and the Department's policy of letting them shoulder a great deal of the responsibility for the productions. Mr. Hall told of students working on costumes, acting as dressers, washing, ironing and repairing the costumes between performances, and when the show is running, working late hours mounting and, later, dismantling the production.

But, says Prof. Koenig, since most honors students are seriously considering a future career in the theatre, it is important that they get an accurate impression of what will be expected of them. The Department encourages the students to use their own talents and think for themselves. To this end, every effort is made to give all honors students at least one opportunity while at Guelph to work in an area of specialized responsibility, such as costume and set design, lighting design, directing or being stage manager. For example, the chosen senior student who becomes stage manager is involved in the show from the beginning, as the director's right hand. He marks the outline of the set on the rehearsal floor. He is the link between the actors and the technicians and, on opening night, when the Department teaching staff retire and the students are running the show on their own, the stage manager assumes total responsibility with no changes made without his express direction.

The Heart of Teaching

Prof. Salmon emphasized that the Inner Stage is, in many ways, the very heart of the Department's teaching function. In spite of its sophisticated equipment, it is not a luxury or a trimming added to the main body of the Department's work. It is the most essential tool the Department possesses.

"The amount of use it gets is enormous," says Prof. Salmon. "Acting classes, directing classes, technical classes and rehearsals for the Department's various productions, all share it." The chairman calculates that the Inner Stage is in use about 60 hours per week, including the whole of the ordinary teaching day, and going on into evenings on most days and for several hours every Saturday and Sunday. The finished products, the Drama Department productions, not only teach the students the various techniques, but also demonstrate to them and to all those other students who come to see the productions, something of the sense and spirit and purpose of theatre as a whole. □

Acid rain not damaging crops on farm land

Soil and plant scientists at the University of Guelph have found no evidence that crops in southern Ontario are becoming damaged by acid rain.

In controlled experiments at the Simcoe Horticultural Station, plants were sprayed with acid solutions of varying strengths. It was necessary to use a solution 10 times more acidic than the most acid rain sample monitored by Environment Canada to produce any plant damage, according to Professor D.P. Ormrod, Horticultural Science.

Acid rain is even less likely to detrimentally affect the agricultural soils of southern Ontario, most of which range from pH 6.2 to pH 7.6 (neutral reading is 7.0). "It may do so in 500 to 600 years," says Professors E.G. Beachamp and R.W. Sheard, Land Resource Science, "but, because of the enormous buffering capacity of these soils, the effect of acid rain now is hardly noticeable."

Southern Ontario soils are generally well endowed with such alkaline elements as magnesium, potassium and calcium, all of which tend to counteract soil acidification.

In the areas where soil acidity is a problem (the Canadian Shield, for example), limestone can be applied easily to cultivated lands. One reason that acid rain presents more of a problem to forested areas is that it is difficult to incorporate limestone into the forested land to adjust the soil pH.

The acid spots occurring in some soils in Essex, Kent and Middlesex Counties are probably due to nitrogen fertilizer rather

than acid rain, say the soils specialists. However, acid rain would further aggravate the occurrence of these spots.

Although no damage to crops on Ontario farmland from acid rain has been found, nor is it expected, Prof. Ormrod would like to see a research project set up to study this phenomenon in depth.

The pollutants (sulphur dioxide and nitrogen dioxide) at the levels at which they presently occur in the atmosphere, produce an acid rain actually beneficial to plants in southern Ontario, says Profs. Sheard and Beauchamp. Nevertheless it would be better if such chemicals were applied as fertilizer to land requiring them for food production, the professors believe. This would protect the forests and fresh-water animal life from the acid rain menace. In the long term even our well buffered agricultural soils will become more acidic, a process accelerated by the acid rain. □

Laboratory Technician, Biomedical Sciences. MTS IV. Salary range \$237.65-\$340.78.

Administrative Assistant/Academic Counsellor, School of Human Biology. Administrative Assistant II. Salary range \$257.57-\$372.42.

Stenographer, Psychology. Salary range \$153.04-\$224.37.

Library Associate (Bibliographic Search), Library. Salary range \$220.07-\$313.82.

Receives Grant

Professor D.A.L. Auld, Economics, received a grant of \$4,700 from the Social Sciences and Humanities Research Council to examine the effect of alternative labor market variables on the rate of wage inflation in the public sector.

Elected Vice-President

Professor William Christian, Political Studies, was elected a director and vice-president of the Harold Innis Foundation at its recent annual meeting in Toronto.

Course Organizer in Malaysia

Dr. J. Thorsen, Veterinary Microbiology and Immunology, was in Malaysia recently as the international organizer of a regional training course in veterinary diagnostic virology at the Universiti Pertanian Malaysia. The course was jointly sponsored by CIDA, UNESCO and the Universiti Pertanian. Also taking part in presenting the course were Dr. Andre Gagnon, Veterinary Services Branch, Guelph and Dr. Peter Ide, Animal Diseases Research Institute, Ottawa. There were 18 participants in the course, from Malaysia, Singapore, Thailand, Philippines and Indonesia.

While in Malaysia, Drs. Thorsen, Gagnon and Ide also presented a seminar on viral diseases to the Malaysian Veterinary Association.

Travels and Seminars

Professor Miriam Adelstein, Languages and Literatures, recently gave a talk to a history class at GCV I High School in Guelph. The seminar was entitled "Communism in Theory and Practice." Prof. Adelstein also recently attended a congress on Cuban literature at the International University, Miami, Florida.

Professor **D.A.L. Auld**, Economics, recently presented a paper entitled "The Scope for and Limitations of Short Run Fiscal Policy" to the Canadian Tax Foundation Conference on Economic Aspects of Confederation.

Prof. Auld, also recently gave an address to the Guelph Home Builders Association on "The Outlook for the Housing Industry in Canada."

Professor **J.C. Cairns**, Centre for International Programs was guest speaker at the recent annual meeting of the Hamilton and District Literacy Council. His subject was "Literacy and Illiteracy in the Canadian Context."

Professor **D.M. Woolcott**, Family Studies, was a contributor at an Ontario Ministry of Health, Health Promotion Seminar at Queen's Park in October. The theme of the seminar was "The Responsible Consumer: Being Well and Staying Well."

Gryphons on Tour

While most people will be relaxing over the holiday season, a number of Gryphon teams will be on the road playing in exhibition games and tournaments.

The men's hockey team will be the busiest squad. They will leave for West Germany on Boxing Day to play a number of Division One teams as well as the West German Olympic team. The team will return home January 8 and the next day play in Toronto against the Blues in a league game. On January 11 the team heads for San Diego, California to play United States International University. On the same tour, the Gryphons will play the University of Arizona at Flagstaff.

Prior to Christmas, the hockey Gryphons will travel to Big Rapids, Michigan to take on Ferris State December 18 and December 19. The wrestling Gryphons will accompany the hockey team to compete in a dual meet.

The men's basketball Gryphons will participate in the Carleton Invitational Tournament in Ottawa December 27 to December 29. In the first round of the tourney, Guelph will play number one ranked University of Victoria. From January 5 to January 7, the men's basketball Gryphons will be in Sudbury to participate in the Laurentian Tournament.

Meanwhile, the women's team will be on a western swing, playing in the University of Regina Tournament December 28 and December 29 and the Saskatoon Tournament January 3 to January 5.

Regular season action will get under way early next semester, with the home schedule as follows: Men's hockey, January 26, 3 p.m., vs. Windsor at Victoria Road; men's basketball, January 10, vs. McMaster, 8:15 p.m., at the Athletics Centre; women's basketball, January 30, vs. Waterloo, 6:15 p.m., at the Athletics Centre and wrestling, January 19, Guelph Open at the Athletics Centre. □

IRISH ROVERS IN CONCERT will be presented by the University Centre and CJOY Wednesday, January 23, in War Memorial Hall. Two concerts are planned, the first at 7 p.m. and the second at 9:30 p.m.

The Irish Rovers' first single record, *The Unicorn* became an instant hit world over. It signalled the start of the Irish Rovers' CBC television series and several television super-specials. The group won the ACTRA award for best variety performance for their CBC series which is now being enjoyed by audiences in the United States, Australia and England.

Tickets are now on sale at the central box office, in the courtyard of the University Centre, Ext. 3940.

Increase in funding to research delights Guelph

Dean of Research Bill Tossell says Guelph is delighted with the recent announcement of the federal government's approval of the Natural Sciences and Engineering Research Council's five-year plan. The funding increase of \$39 million for the first year, 1980-1981, is a significant one and it will have an important effect on university research, says Dean Tossell.

While the added funding to NSERC is encouraging, the Dean adds that the effect it will have on university scientists is equally important. "The fact that government recognizes the significance of university research to the country and has backed this recognition with a substantial increase in funding is a refreshing and encouraging development for the scientists involved. This will improve the total environment for research in the university."

The Honourable Heward Grafftey, Minister of State for Science and Technology, who made the announcement November 15, said the increase will give the Council a total of \$159.8 million for the new fiscal year. The increase is just one of several measures which will be introduced to further improve Canada's R and D performance and it is in keeping with the government's pledge to

make steady and continuous progress towards a target of 2.5 per cent of GNP for national R and D expenditures according to the Minister.

This increase marks the first step towards financing the five-year plan. The second step, which will be a decision on funding levels for the remaining four years, is expected to be announced within a few months.

The increased financial support will enable the Council, with the co-operation of the universities and the provinces, to increase training of highly qualified manpower, improve links between university and industrial research, improve its support for fundamental research, increase the support of targeted research in areas of national concern, and replace scientific equipment which has become obsolete over the past decade.

Council president Gordon MacNabb is to brief the provinces on the five-year plan of NSERC and he will consult with them on its implementation.

Two background papers dealing with the major issues related to university research and a rationale for the involvement of the federal government in the support of university research were also released by the **Minister.** □

Next Week at Guelph

Continued from page 8.

January Highlights

Friday, 80 01 11

On-campus Recruiting—JOHN DEERE LIMITED, permanent employment interviews for students successful in the December 7 prescreening.

Sunday, 80 01 13

Concert—HARRY CHAPIN, 20:00, Athletics Centre.

Monday, 80 01 14

On-campus Recruiting—CARGILL GRAIN, permanent employment interviews for students graduating in agriculture; UPJOHN COMPANY OF CANADA LIMITED, APPLICATION DEADLINE FOR PRE-SCREENING; MENNON ITE CENTRAL COMMITTEE, drop-in information session, 10:30. For further information, call Susan Nutley, Placement Services, Ext. 2213.

Land Resource Science Seminar Series—LOOKING THROUGH LANDSCAPES, A. Hills, forest ecologist from Thornhill, Ontario, 15:10, Land. Res. Sc. 124.

Tuesday, 80 01 15

On-campus Recruiting—CARGILL GRAIN, permanent employment interviews for students graduating in agriculture; SHELL CANADA, permanent employment interviews for students successful in the December 14 prescreening; THE MAGIC PAN, permanent employment interviews for students successful in the December 14 prescreening. For further information, call Susan Nutley, Placement Services, Ext. 2213.

Wednesday, 80 01 16

Last day for registration

On-campus Recruiting—IBM, permanent employment interviews for students successful in the November 30 prescreening. For further information, call Susan Nutley, Placement Services, Ext. 2213.

Thursday, 80 01 17

On-campus Recruiting—IBM, permanent employment interviews for students successful in the November 30 prescreening. For further information, call Susan Nutley, Placement Services, Ext. 2213.

Noon Hour Concert—JOEL QUARRINGTON, double bass and SHARON KRAUSE, piano, 12:10 and 13:10, Music Room 107, Arts. Admission free.

THE ASIAN Canadian Women's Society will hold its monthly meeting Tuesday, December 18 at 7:30 p.m. in Room 441 of the University Centre. A film on Asian women, "Shakti-She is Vital Energy," produced by the National Film Board, will be shown.

THE UNIVERSITY OF GUELPH judging team won the Inter-Agricultural School Livestock Evaluation Competition at the Royal Agricultural Winter Fair recently. Awarded the Dominion Dairies Trophy for the most accumulated points in evaluating dairy and beef cattle, swine and sheep, were Brad Fraser, Brampton; Sheila James, Carleton Place and Keith Thomas and Patricia McKnight, Cookstown. The team, under the coaching of retired Professor On/ Kennedy, scored 2,148 of a possible 3,200 points in the competition.

THE LIBRARY STAFF ASSOCIATION has published its first special cookbook edition. Favorite recipes from a number of staff members are included in this 50-page edition. Copies, at \$2 each, may be obtained from Bob Logan, Ext. 3073, or from any member of the Library staff. Proceeds from the sales will support the activities of the Association.

For Sale—Used 30" electric range, baby carriage, double re-curve long bow, steel-belted radial tire L R-78-15, 836-5835; basement sale of toys, games, karate or judo suit, cub uniform, girl's new sandals, size 11, metal bed, electric stove, electric racer set, boy's and girl's clothes, sizes 10 to 12, 821-0187; men's hiking boots, size 8, 836-8948 after 5 p.m.; ladies' cranberry leather cowboy boots, size 9/1, 843-3588, evenings; 2 truck snow tires, 750-16, 824-4553, evenings; 102,000 B.T.U. Preston Low Boy gas furnace, pair of downhill skis and boots, size 6, wardrobe, new 4' X 6' utility trailer, 824-5097; boy's skates, sizes 9, 11, 12, children's cross country skis, 12 cm, boots, size 12, royal blue design queen size bedspread and matching drapes, 120" X 80", 822-9092; nearly new flowered chesterfield and chair, arborite step tables, 822-8937; 18" English saddle, 8' X 10' dark green carpet, 843-5778; Kodak X35 Instamatic, Philips GA217 turntable, snuggly baby carrier (backpack), 821-3941; colonial table and 6 chairs, plus buffet, 824-2472; new Barbie doll clothes, 836-8463; Kitchen Aid portable dishwasher, willow green American Standard toilet and sink, 836-2868; 2-seater hide-a-bed couch, ash wash stand, Victorian Victrola case, Victor treadle sewing machine in beautiful cabinet, 822-9338 after 5 p.m.; sewing machine, 821-5067; used RCA color 20" portable TV, used Panasonic b/w 20" portable TV, used Jerrold 30 channel converter, 821-0389 after 6 p.m.; children's new skis, Dynamic VR17 140 cm and 150 cm, 836-7023; electric range with 30" oven, excellent condition; 824-4883, youth's new ski boots, size 5, 824-5132.

Goods and Services

Wanted—Ride from Rockwood to the University and return, or just from University to Rockwood, leaving Rockwood 8:15 a.m. and returning at 4:45 p.m., Gwen, 856-4275 after 6 p.m.; children's or adults' snowshoes, 3864; used 5' to 6' toboggan, 822-6588; ride from Guelph to Elora Dairy Research Centre, Monday to Friday, leaving Guelph 7:30 a.m. and returning at 4:30 p.m., January to April; will contribute to gas cost, 836-7849 after 6 p.m.; small freezer, Pat, 3075; girl's figure skates, size 4, 822-6911 after 6 p.m.; board for Siamese cat from Dec. 18 to Jan. 7, 2213.

Available—French speaking babysitter for children in French Immersion program, 3469.

Lost—Gold earring shaped like a rose, 821-9476; gold diamond ring, size on Wednesday, November 28, reward 3003 or call collect 1416) 689-8928.

PHYSICAL RESOURCES plans a substantial reduction in heating and lighting supplied to buildings during the period Saturday, December 22 and Tuesday, January 1, when most members of the University community will be away and most departments will be closed down. Normal temperatures will be maintained in areas housing computers or animals.

Bob Davis of Engineering Services urges people who know of areas on campus which will be occupied by students, faculty or staff during all or part of the shutdown period to contact Mrs. M.P. Norris, Maintenance Department, Blackwood Hall, Ext. 3486.

Contribute to the holiday energy savings by turning out all lights as you leave Friday, December 21. Turn all thermostats down to 12 degrees Centigrade, 50 degrees Fahrenheit and, on radiators without thermostat control, close the convection damper.

Next Week at Guelph

THURSDAY, 79 12 13

Exhibit Opening - EXHIBITION OF WORKS IN VARIOUS MEDIA BY THE FACULTY OF THE DEPARTMENT OF FINE ART, main floor, McLaughlin Library until 79 12 16.

Luncheon Special - TBA, 11:30, PCH.

Physics Lecture - EXPERIMENTAL TESTS OF BOLTZMANN EQUATIONS IN DENSE GASES, Dr. Sow-Hsin Chen, Nuclear Engineering Department, Massachusetts Institute of Technology, 14:00, Phys. Sc. 121.

Worship and Religious Meetings - CATHOLIC MASS, 17:00, Chapel, level 5, UC; ANGLICAN EUCHARIST, 17:10, UC 334; CHRISTIAN DOCTRINE CLASS, 20:00, UC 334.

Meeting - NAVIGATORS NEW LIFE, 19:00, UC 442.

TV - SPOTLIGHT ON UNIVERSITY OF GUELPH, panel on the Iranian situation, 19:00, Cable 8.

University of Guelph Faculty Association - COUNCIL MEETING, 19:30, Faculty Club lge.

Field Naturalists' Club - MEMBERS' NIGHT AND CHRISTMAS PARTY, 19:45, Arboretum Centre.

FRIDAY, 79 12 14

On-campus Recruiting - WENDY'S OLD FASHIONED HAMBURGERS, APPLICATION DEADLINE FOR PRESSCREENING; A.C. NIELSON COMPANY OF CANADA LTD., APPLICATION DEADLINE FOR PRESSCREENING, marketing services trainee positions; THE MAGIC PAN, APPLICATION DEADLINE FOR PRESSCREENING, for students graduating in Hotel and Food Administration. For further information, call Susan Nutley, Placement Services, Ext. 2213.

Video Tape - TBA 11:00, UC 103.

Luncheon Special - 11:30, PCH.

Worship and Religious Meetings - CHRISTIAN FACULTY AND GRADUATE STUDENT FELLOWSHIP, 12:00, UC 301; MUSLIM FRIDAY PRAYERS, 12:30, UC Chapel, level 5; UNIVERSITY BIBLE STUDIES, 19:30, UC 103.

Physics Lecture - STUDY OF MICROSCOPIC BEHAVIOR AND COLLECTIVE MIGRATION OF E. COLI BACTERIA, a second and concluding lecture by Dr. Sow-Hsin Chen, nuclear energy department, Massachusetts Institute of Technology, 14:00, Phys. Sc. 121.

Christmas Party - 2ND ANNUAL UNIVERSITY OF GUELPH CHRISTMAS PARTY, with the WALTER OSTANEK ORCHESTRA: cocktails, 18:30, feasting, 19:30 and dancing, 21:00, PCH, UC. Tickets, \$7 per person, available at the central box office, UC courtyard.

SATURDAY, 79 12 15

The Arboretum in Winter - THE TRAILS ARE OPEN for snowshoers, skiers and walkers. Guides are available and the trails all marked with red tags. Why not borrow a pair of snowshoes from the J.C. Taylor Nature Centre this weekend? Hot chocolate and tea are available on weekends to warm you up after your outing. Please call ahead for snowshoes during the week and for group outings of more than 10 during the weekend.

Faculty Club - MEMBERS CHRISTMAS DANCE, mulled wine with mincemeat pie, 20:00, Faculty Club, level 5, UC. Tickets are \$12 per couple.

SUNDAY, 79 12 16

Worship and Religious Meetings - UNIVERSITY BIBLE STUDIES, 10:00, UC 429 and 442; CATHOLIC MASS, 10:10, PCH; MUSLIM ZOHR PRAYERS, 13:30, 9th fl. lge., Arts.

TV - SPOTLIGHT ON UNIVERSITY OF GUELPH, panel on the Iranian situation, 11:00, Cable 8.

MONDAY, 79 12 17

Video Tape - TBA, 11:00, UC 103; continues 79 12 19 and 79 12 21.

Land Resource Science Seminar - WHAT ARE FERTILIZERS AND SALTS DOING IN THE SOIL WATER? DISPERSE OR DIFFUSE?, Dr. P.H. Groenevelt, Land Resource Science, 14:10, Land. Res. Sc. 124.

Worship - CAMPUS CHRISTIAN FELLOWSHIP, 19:30, Chapel, level 5, UC.

TUESDAY, 79 12 18

Examinations conclude

D.V.M. Program examinations commence

Worship - ANGLICAN EUCHARIST, 12:10, Chapel, level 5, UC; CATHOLIC MASS, 17:00, Chapel, level 5, UC.

Meeting - ASIAN CANADIAN WOMEN'S SOCIETY, 19:30, UC 441. The National Film Board movie on Asian women, SHAKTI: SHE IS VITAL ENERGY, will be shown.

Meeting - SENATE, 20:00, Phys. Sc. 113.

WEDNESDAY, 79 12 19

Worship - CATHOLIC MASS, 12:00, Chapel, level 5, UC; IMMANUEL FELLOWSHIP, 19:00, 8th fl. lge., Arts.

Dance Club - INTERNATIONAL DANCE CLUB, 20:30, Gryphon Room (upstairs at the Stadium). Everyone welcome.

THURSDAY, 79 12 20

Exhibit Opening - ED BARTRAM: 12 YEARS, from the Art Gallery of Brant, main floor, McLaughlin Library until 80 01 13.

Office for Educational Practice Workshop - TEACHING SKILLS WORKSHOP, providing an opportunity for participants to improve their skills in lecturing, questioning and leading discussions, 09:00. Continues 79 12 21 at 09:00. For further information, call Ext. 3522.

Luncheon Special - 11:30 PCH, UC.

Worship and Religious Meetings - CATHOLIC MASS, 17:00, Chapel, level 5, UC; CHRISTIAN DOCTRINE CLASS, 20:00, UC 334.

Meeting - NAVIGATORS NEW LIFE, 19:00, UC 442.

TV - SPOT LIGHT ON UNIVERSITY OF GUELPH, panel on the Iranian situation, 19:00, Cable 8.

JANUARY HIGHLIGHTS

Monday, 80 01 07

Registration begins and continues until 80 01 09.

D.V.M. Program classes commence

Tuesday, 80 01 08

On-campus Recruiting - CANADIAN IMPERIAL BANK OF COMMERCE, permanent employment interviews for students successful in the November 30 prescreening. For more information, call Susan Nutley, Placement Services, Ext. 2213.

University of Guelph Faculty Association - EXECUTIVE MEETING, 12:00, Faculty Club board room, level 5, UC.

Thursday, 80 01 10

Classes commence

Meeting - GUELPH FIELD NATURALISTS' CLUB, 19:30, Arboretum Centre.

Men's Basketball - GRYPHONS vs. MCMASTER MARAUDERS, 20:15, Athletics Centre.

Friday, 80 01 11

On-campus Recruiting - JOHN DEERE LIMITED, permanent employment interviews for students successful in the December 7 prescreening.

Saturday, 80 01 12

Men's Basketball - GRYPHONS vs. BROCK BADGERS, 20:15, Athletics Centre.

Sunday, 80 01 13

Concert - HARRY CHAPIN, 20:00, Athletics Centre.

Continued on page 7.

Postage-Paid-In-Cash At Third Class Rates Permit 1149, Guelph, Ontario.



The News Bulletin is published by the University of Guelph. Items must reach the editor, Sandra Webster, Department of Information, level 4, University Centre, by noon Friday. Contents may be quoted or reproduced.