

guelph

UNIVERSITY NEWS BULLETIN

Volume 27 Number 19

83 05 12

\$10M contribution to Centre for Toxicology

The Canadian Centre for Toxicology, to be located at the University of Guelph and the University of Toronto, will receive \$10 million from the federal government for the first phase of construction. The funding is contingent on participation by the Ontario government and the two universities.

Dr. Jim Schroder, Member of Parliament for Guelph, parliamentary secretary to the Minister of Health and Welfare, Monique Begin, and an OVC faculty member, made the announcement on behalf of The Honourable John Roberts, Minister of the Environment, at a press conference on campus last Thursday. The funding is the first to be announced for more than 100 projects being funded under the federal government's \$2.4 billion special recovery projects program outlined in the April 19 budget speech.

President Donald Forster said that representatives from the Universities of Guelph and Toronto would be meeting later with Ontario's Minister of the Environment, Keith Norton, for talks on the province's commitment to the Centre. President Forster said he is optimistic about provincial support as Premier Bill Davis has, for the past two years, expressed strong support for the Centre-

Dr. Schroder Praised

President Forster, on behalf of the University of Guelph, thanked Dr. Schroder for the work he has done to impress upon the federal government the importance of "a project of very considerable national significance." The President cited the Centre as an example of the co-operation between universities, governments and the private sector.

Dr. David Strangway, acting president, University of Toronto, also expressed gratitude to the federal government and Dr. Schroder. He said the joint venture by two universities that have complementary strengths is unique. He described the Centre as a world class model that could be looked to in the future. Guelph's strengths are in agricultural and veterinary toxicology and Toronto's are especially in toxicology in the medical and engineering fields. Environmental expertise is well developed at both universities.

Professor Freeman McEwen, acting director of the Centre and Dean-designate of the OAC, outlined some of the unique

Continued on page 2.

OVC accorded limited status

The Ontario Veterinary College has been accorded "limited accreditation" status by the American Veterinary Medical Association, President Donald Forster announced May 6. The decision by the Council of Education of the AVMA is based on recommendations made in the report of an evaluation committee which visited the College in October, 1982, a report on which the University and the College had an opportunity to comment. Most factual errors in the original report were corrected because of the University's comments.

This accreditation status means that OVC meets or exceeds most but not all minimal requirements for a satisfactory program in veterinary medicine, in the judgment of the Association. Limited accreditation is a reduction in status from full accreditation, a status which the College has held and which was reconfirmed by a previous evaluation in 1976. "Similar decisions have been made by the AVMA in the past in the case of programs at other and well-established veterinary colleges in the United States which faced problems similar to those we are experiencing at OVC," the President noted.

Limited accreditation status may be maintained for up to five years on the basis of annual reports by the University and the College indicating that any deficiencies are being corrected. At any time during the five-year period the University and the College might invite the AVMA Council to make a new evaluation, hopefully leading to a return to full accreditation status.

A number of factors are identified in the report as a basis for the Council's decision. Most important, the report recommends that a better "balance between the financial resources and the programs of the College be achieved." From this flow two major recommendations. "Construction and renovation be initiated to correct inadequacies in classrooms, laboratories, offices, and clinical work spaces." Also faculty "numbers and speciality expertise (should) be increased, and additional time be scheduled for professional development, research, and other scholarly

Continued on page 2.



Left to right: Prof. McEwen, President Forster, Dr. Schroder, Dr. Strangway-

Historic trees toppled by storm

Record 125 k.p.h. winds roared across campus last Monday and took a heavy toll in irreplaceable trees-

Head of Grounds, Pat Tucker, reports that the area just south of College Avenue bore the brunt of the storm. Twenty valuable specimen trees were toppled and 15 others were badly damaged, some directly and others as a result of larger trees falling on them. Evergreens were the hardest hit. Damage, according to Mr. Tucker, would have been even more severe if the deciduous trees had been in leaf.

Service crews were busy the next morning clearing up debris. A number of trees, left leaning by the storm, are being cabled back into position, and everything will be done to salvage them, says Mr. Tucker.

Storm damage at the Arboretum was concentrated in the historically important five-acre stand of white pine at College Avenue and Victoria Road. Loss was almost total, reports Arboretum Director Erik Jorgensen. These pines were planted in 1905 by Professor E.J. Zavitz, an OAC professor of Forestry who is still known as "the father of reforestation in Ontario." Only six or seven of the original Zavitz trees are likely to survive.

Prof. Jorgensen hopes the income from the sale of the lumber will compensate for the cost of the replanting operation. □



Uprooted mature trees on the front campus.



Arboretum biologist Alan Watson surveys devastation.

OVC accorded *Continued from page 1.*

pursuits." The report also suggests that support staff be increased. One option identified in the recommendations is that "student numbers be reduced until adequate numbers of faculty and physical facilities can be provided." Finally, some deficiencies in the area of post-graduate education are also identified.

"While the University and the College are naturally disappointed by the Council's conclusions, we are not entirely surprised," President Forster commented. "Many of the deficiencies identified in the report have been matters of acute concern for some time and some steps have been taken already to remedy the problems, some of which are simply the product of the chronic underfunding Ontario universities have experienced for a number of years. Under the circumstances, I commend the faculty and staff of the OVC for working so hard to maintain the reputation and integrity of the program and its graduates during this very difficult period."

The President also noted that, under AVMA procedures, an elaborate appeal process is available to the University. A decision has been made not to appeal the Council's decision even though the University has reservations about some of the report's observations.

"The recommendations in the report will be reviewed very carefully by the University and the College in the coming months," the President indicated, "and every effort will be made to secure support from government and other sources to remedy problems which have been identified. In this connection, I wish to express again our gratitude to The Honourable Dennis Timbrell, Ontario's Minister of Agriculture and Food, for making available to the University special funding in the amount of \$1.8 million annually for a three-year period in support of programs at the OVC. This support came at a particularly crucial time and was most welcome. Recent discussions with Mr. Timbrell and Agriculture Canada have indicated both sympathy for, and understanding of, the capital needs of the College and we have every hope that substantial support will be forthcoming from both levels of government," President Forster concluded. □

\$10M federal contribution *Continued from page 1.*

features of the Centre which, he said, is "blazing a new trail between governments, universities and the public sector."

The planning and construction of phase one of the facility for the project is expected to be completed by late 1986 at a total cost of \$23.6 million. When completed, the Centre will be part of a network of toxicology centres across Canada. It is expected to have a staff, at both Guelph and Toronto, of 64 scientists, 108 technicians and 109 other staff members. The corporate headquarters will be at Guelph.

Dr. McEwen noted that there is a major public investment in this project, so there must be some major public benefits. He pointed to the very strong information role to be played by the Centre, and said there will be public representation on the Centre's board.

Also attending the public announcement were members of the Centre's steering committee, Dean of Research Bill Tossell as its chairman, and Professor Peter Eyre, Biomedical Sciences. From the University of Toronto were Professors Werner Kalow and Emmanuel Farber. □

SUSAN POST, a third year Chemistry student, has been awarded the first annual Weston Research Centre Book Prize for 1982- The \$50 prize will be presented every year for the best Co-op work report in the Honors Applied Chemistry work-study program. Susan's report took top honors for work she completed while at General Foods Inc., Coburg,

Convocation Parking

Parking Lots P. 23/24 and P. 44 will be reserved for the use of guests attending Convocation from May 31 to June 4. Alternate parking for regular users may be found in Lots P. 7, P. 15, the front section of P. 19 and P. 48. □

Rookies and hackers

Summer computer camp for teenagers

The University has established a new summer computer camp for 12- to 16-year-old "rookies," who have interest but little or no computing experience and for seasoned "hackers."

The camp's academic co-ordinator, Professor David Swayne, Computing and Information Science, notes that "some high school students are light years ahead of the formal computing curriculum being offered at school while others are lagging far behind. Both groups are often hampered by insufficient access to computing resources at a time when they need it to gain a competitive edge in school and future careers," he says.

At the camp, Prof. Swayne hopes to provide students with an enrichment experience that will be invaluable. Guelph is a natural place for the camp, he notes. "It can provide tailor-made instruction, an introduction to the latest technology, unlimited computer access on two large Vax 11/780 computers and a variety of up-to-date microcomputers."

The camp which runs from August 8 to August 27, is divided into three one-

week sessions. Students may attend one, two or all three sessions.

To give youngsters a feeling of control over the technology, the camp features a minimum of five hours a day in the computer lab. An introduction to programming is presented in a light-hearted style suitable for anyone who wants to learn about computers.

Even the most inexperienced camper will learn how to program, according to Prof. Swayne- As confidence grows, youngsters will tackle more ambitious projects such as learning new languages and participating in the University's Micro-Computer Club. Club members are avid "hackers" who enjoy developing their own games, synthesizing music and discovering new ways of doing homework.

Campers may commute or live on campus in residence. Trained counsellors will supervise learning, recreational and residence life activities in a ratio of 10 to one.

While a camper does not have to be a whiz kid to attend, a recommendation from a mathematics, science, or data processing teacher is required. Fellowships, awarded on the basis of need and/or ability, are available from the College of Physical Science and participating corporate sponsors.

The summer computer camp is sponsored by the Division of Continuing Education, the Department of Computing and Information Science and the College of Physical Science.

Information: Continuing Education Division, Room 103 Johnston Hall, telephone Ext. 3957. □

THE NAME of Professor Emeritus Donald Masters, History, was inadvertently omitted from the list of those faculty members at Guelph who received a Fellowship in the Royal Society of Canada- (See "Dr. Karl elected to Royal Society," *News Bulletin* 83 05 05)-



C. Marett named to Board of Governors

Clara M- Marett of Guelph has joined the Board of Governors for a three-year term. A resident of Guelph since 1963, Mrs. Marett has been active in community and cultural life in the City-

She has been a member of Guelph City Council since 1976, serving on such committees as Community Services, Social Services, Guelph Junction Railway, Children's Services, and the Guelph and Suburban Planning Board. She serves on the executive board of the Grand River Conservation Authority, and is a member of the board of the Heart Foundation and the Guelph Civic Museum. Her other interests include the Zonta Club and the University Women's Club. She has been an elder of St. Andrew's Presbyterian Church since 1973.

Mrs. Marett has also participated in such civic groups as the Committee for the Preservation of Kortright, Big Sisters, Guelph Council of Women, The Economic and Industrial Commission and the Community Service Council-

A graduate of Prince of Wales College at Charlottetown and Queen's University, Mrs. Marett taught high school in Copper Cliff and Sudbury before coming to Guelph. She was a sessional lecturer in the Department of English at Guelph for a number of years and completed a Master of Arts degree at Guelph in 1975. She later taught at the Doon campus of Conestoga College. She is now employed as an account executive at Midland Doherty Limited. □

High school drama festival

The Department of Drama is hosting a festival of school productions of one-act plays. Organized by Tom Slater, a Guelph Drama graduate who now teaches Theatre Arts at John F. Ross Collegiate, the Wellington County Non-Competitive Drama Festival will take place at the Inner Stage on Monday, May 16 and Tuesday, May 17.

The first day will be devoted to rehearsals, and performances will take place on Tuesday morning and afternoon. Simultaneous Drama workshops will be given in Massey Hall.

Students from Bishop Macdonnell, Centennial, Willow Road and Aberfoyle schools will participate as actors, technicians and stage crews. Technical operations will be supervised by Honors students in the Drama program.

Further information is available from the Drama Department or from Tom Slater at John F. Ross CVL. □



Arthur Jacobs

The Department of Music recently welcomed a visiting professor, Arthur Jacobs, one of the most distinguished writers on music and its history. Prof. Jacobs, who is head of the music department, Huddersfield Polytechnic, and winner of "the highest distinction that the Royal Academy of Music, London, is able to confer," is the author of scholarly and popular books on music and opera.

Spring at the Arboretum

The Arboretum and Concert Management, Department of Music, invite everyone to celebrate spring at the Arboretum Sunday, May 15. This is an opportunity for all members of the family to participate in another of the popular Arboretum Days which offers a varied program of music and nature activities including guided walks along the trails to view the spring wildflowers and birds.

The Nature Centre will be open from 9 a.m. and the OAC Centennial Centre will open at 1 p.m. At 2:30 p.m. there will be a free concert in the

auditorium of the Centennial Centre featuring Paula Elliott, flute, and Arlene Wright, harpsichord, with Thomas Elliott, bassoon, as assisting artist.

The program will consist of Benedetto Marcello's "Sonata in F Major"; Handel's "Sonata, Op. 1, No. 9"; "Sonatina for Flute and Harpsichord" by Canadian composer, Murray Schafer; "Sonata No. 1 ("L 'Henriette")" by Michel Blavet and "Sonata in E Minor" by J.S. Bach with bassoonist Thomas Elliott as continuo player. □

Need more longitudinal studies on the effects of aging

In 50 years time, 20 per cent of the Canadian population will be over 65 years, as compared to the current figure of 10 per cent. However, these figures do not dismay gerontologist Gloria Gutman, director, Gerontology Centre, Simon Fraser University and the Winegard Visiting Professor. She has many reasons for optimism.

First among these is the fact that more than half of Canadian women between 15 and 65 years are now in the work force, many of them contributing to pension plans enabling them to pay their own way in retirement. This figure continues to grow, Dr. Gutman says, as many families find themselves unable to survive on one income, and women seek personal development in their work, or are forced into the work force because of marriage breakdown.

Dr. Gutman also predicts that it is likely Canadians in the next century will have better health and profit from the benefits of higher education and a more highly developed political awareness. These factors should contribute to the development of leisure-time interests during their working years that will carry over into retirement.

"Health care costs will be a problem if we continue the policy of institutionalization," Dr. Gutman says. However, she hopes the recent emphasis on homecare will continue.

"Currently, misguided professionals or family members are often too quick to prescribe institutional care for all people who have suffered an illness or a severe fall," the gerontologist says. "They often underestimate the resilience and coping strength of older people who may be too timid or too demoralized to fight to maintain their independence and their place in the community." Old people also may be inappropriately placed in nursing homes through no lack of judgment, but simply because the community offers no other choice, she adds.

To combat problems like these and to find solutions to the rising cost of health care Dr. Gutman believes we need more longitudinal studies of aging — the sort that can be carried out in gerontology centres such as the recently established Guelph Centre, headed by Professor Anne Martin Matthews, Family Studies. One of four in Canada, the Guelph Centre is focusing on the aging family.

"Gerontology centres provide a visible focus for the development of multi-disciplinary teams whose pooled resources increase the probability of finding innovative solutions," Dr. Gutman says. The centres can engage in "long term studies which are costly but have the potential to sort out such things as the genuine effects of aging from

historical and generational influences. Such studies are helpful, for example, in determining whether particular behavior is the result of old age or simply of growing up during the Depression," she says.

Dr. Gutman has been involved in a nine-year study in Vancouver that looked at the residents of three types of accommodation — houses or apartments, self-contained seniors' units and a multi-level residence offering self-contained accommodation, board-residence and personal care in different units.

One of the surprising facts from the study is that few people transferred from one type of accommodation to another within the multi-level building. Although seniors often move into such a building with the idea that they will move from complete independence to some level of care, the researcher found that in fact most of the participants were living in the same accommodation at the conclusion of the study as they were nine years before. Residents who died usually went from the units they originally moved into directly into acute hospital care, Dr. Gutman said.

Although it has been suggested that moving into seniors' accommodation can be a very traumatic experience which could presage early death, Dr. Gutman found the incidence of mortality only five per cent during the first 12 months after the subjects moved. In many cases, she explains, seniors feel a sense of relief when they move into such a facility since they no longer have to worry about maintaining their houses, and feel they will not be a burden to their families.

"The results of some American studies suggest the bulk of widows want to maintain their independence and do not want to live under the same roof as their children," Dr. Gutman says. This does not mean they do not desire close contact. The Vancouver study showed that 80 per cent of the 243 people involved had one or more children living in the greater Vancouver area, and that 80 per cent of this group had very frequent contact with their families.

Dr. Gutman's study involved people whose average age at the beginning of the project was 73 years. She points out that chronological age is only a rough indicator of how people behave. "The population over 65 years is not a homogeneous group. There are very wide individual differences, greater than in any other age group. After all, these people have had over 65 years in which to accumulate unique experiences," she says.

Dr. Gutman will be in the Department of Family Studies until Friday, May 13. □

FOCUS



Jean Edmiston is retiring

When Jean Edmiston joined Political Studies, there were four faculty members in the Department. Along with the rest of the College of Social Science, Political Studies was housed in an historical landmark building at the corner of Wyndham and Macdonell Streets. That was in August, 1966. A year later, the growing Department moved into what is now the MacKinnon building.

After 17 years, Mrs. Edmiston, administrative secretary, is retiring.

The campus is familiar ground to Mrs. Edmiston; she grew up on College Avenue and went to school in what is now the Macdonald Stewart Art Centre. As a young girl she played in Raithby House.

Mrs. Edmiston has worked for four Department Chairmen: Professors John Melby, Fred Vaughan, Pat Kyba and O.P. Dwivedi. "Each of them had his own style," she says. "Each left the stamp of his personality on the Department but each, in his own way, reinforced the tradition of congeniality which makes working here so pleasant. We are proud of the family feeling we have here. Sometimes it's hectic and we're run off our feet to meet deadlines but one thing is certain — it is never boring."

Mrs. Edmiston, who has two daughters and one grandchild, swims, walks and attends fitness classes. She recently attended a retirement planning workshop but found the program was designed for couples. This is a pity, she says, since women usually live longer than men and there are many single women who have different needs when it comes to retirement planning.

Mrs. Edmiston plans to enjoy the summer but by the fall she expects to be looking around for a part-time job. "I'm very adaptable and I may try something entirely new."

Prof. Melby, the first of her four Chairmen, adds a footnote: "Jean was the rock on which a succession of Chairmen built this Department. I used to tell my people that I would trade three faculty members for one good secretary — and among secretaries, Jean Edmiston is the best." □

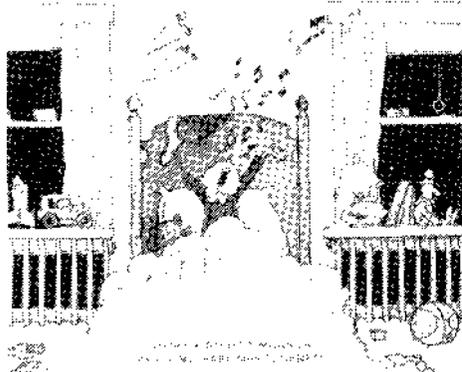
Irmgard Emmert

The University community was shocked to hear of the death of Mrs. Irmgard Emmert, a library assistant in the Serials section of the Library. Mrs. Emmert was killed in a car accident Friday, May 6.

Her husband, John, who works in the University's carpentry shop, is in hospital suffering from injuries sustained in the accident. □

The big news for young readers is that Bob Munsch has published three more books — *Mortimer*, *The Fire Station*, and *Angela's Airplane*. That makes nine so far, all carefully researched and committed to print only after several years of meticulous revision. They are sold throughout the English-speaking world and translations are doing well in France, Spain, Belgium, the Netherlands, Switzerland, Denmark and Sweden. With sales pushing towards half a million copies, and producers clamoring for movie rights, Bob Munsch's claim to fame can hardly be disputed.

MORTIMER



Mr. Munsch is resident story-teller, Department of Family Studies, and the books are his popular mini-volumes of tales for tots. They are 8 1/2 cm square, 12 pages long and are published in batches of three. The latest hit the market early this year.

His audience is the hypercritical pre-school set who listen agog as he unfolds his symmetrical yarns about characters they understand. His plots hang on rhythmic repetitions and his young audiences quickly learn to chant along.

Mortimer, for example, has a way of promising to be quiet, but as soon as mom closes his bedroom door he pipes up:

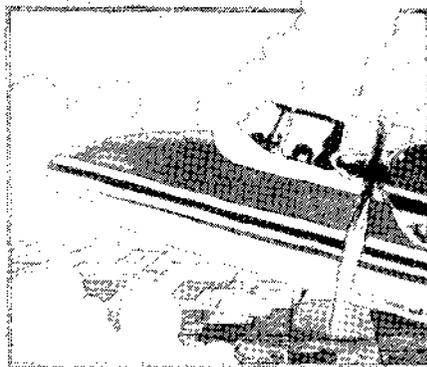
Students may see final exam papers

Senate recently passed a proposal giving students access to final examination materials. Professor Jim Mottin, chairman of the Board of Undergraduate Studies, explains that the new regulation merely formalizes existing practice. It was only deemed necessary because in a few incidents faculty members refused to discuss final examination material with students.

Prof. Mottin points out that the policy change concerns printed and written materials directly related to final assignments and examinations whether they be written or oral. It has nothing to do with appeals concerning marks. Students will continue to initiate grade reassessments through the existing formal request procedures.

"This really concerns feedback for learning purposes," Prof. Mottin says. By

ANGELA'S AIRPLANE



STORY • ROBERT MUNSCH ART • MICHAEL MARTCHENKO

"Bang-bang, rattle-ding-bang, goin' to make my noise all day ...". Father, brothers, sisters and, finally, the police all try to get Mortimer to go to sleep, but the moment their back is turned it is: "Bang-bang, rattle-ding-bang...".

In *The Fire Station*, Martin and Sheila stow away on a fire truck and arrive back home so marvellously filthy that their respective parents are unable to recognize them.

Angela in *Angela's Airplane* gets into even worse trouble when she hijacks an airplane which breaks into little pieces when she tries to land it. A given of the Munsch canon is that the kid always gets away with it — something which may explain his popularity with his young fans.

The books, called "Annickins," illustrated by Michael Martchenko, are published by Annick Press, Toronto, and sell for 99 cents each. More are in the works.

Mr. Munsch recently cut his first record of eight of his stories for Kids Records of Toronto, and one of his best sellers, *Jonathan Cleaned Up Then He Heard A Sound*, is being made into a movie by the National Film Board. □

the time they get to the final examination students should know what they have been doing wrong, but sometimes they may benefit from further discussion of their mistakes, he explains.

To initiate the formal process, a student must make a written request to the Chairman of the Department concerned by the fifth class day of the next semester. If large numbers of students from one course are involved, the Chairman might arrange for the material to be posted for study or for a group meeting.

Prof. Mottin explains that in the majority of cases, he expects students and faculty members will continue as they have been all along. However, the procedure is there for cases when the student feels that a formal request is necessary. □

Drama students get federal employment grants

Drama students have received \$37,000 to establish two children's theatre companies under the federal government's Student Employment Program.

Last year, about \$17,000 was awarded for the formation of the Act One Theatre Company.

This year, Denise Gismondi will form a children's theatre company with the help of a \$17,000 grant. The company, to be named the Poppyseed Story Theatre, will be based in Guelph and will tour the region with a repertoire of original works for young audiences.

Another grant, for \$20,000, has been awarded to Clare Loughheed and Kathleen Van Dyke to form a mime and puppet theatre company to tour the Niagara region during the summer months.

Drama Chairman, Professor Leonard Conolly, is pleased the two companies will emphasize children's theatre, an area which the Department of Drama will develop in the near future. □

James Sullivan

The final oral examination of James Donald Sullivan, Physics, a candidate for the Doctor of Philosophy degree, will be held Monday, May 16, 10 a.m., Room 222, Physical Sciences building. His thesis title is "The Structure of the Fluid States of Chlorine." His supervisor is Professor P.A. Egelstaff.



Amy C. Lo

The final oral examination of Amy C. Lo, Botany and Genetics (Genetics), a candidate for the Doctor of Philosophy degree, will be held Tuesday, May 17, 10 a.m., Room 168, Botany and Genetics building.

Her thesis title is "Studies on the Eukaryotic 5.8S Ribosomal RNA." Her supervisor is Dr. R.N. Nazar. Interested members of the University community are invited to attend. □

Hans Wynberg

The Department of Chemistry hosted Dr. Hans Wynberg of the department of organic chemistry, University of Groningen in the Netherlands. Dr. Wynberg's visit was made possible by the Guelph-Waterloo Centre's Distinguished Lecturer Series.

While in Guelph, Dr. Wynberg consulted with faculty members and graduate students and presented a lecture "Chemiluminescent Dioxetanes- A Versatile Functionality." □

Mares recovering from Caesarians

Three mares were recovering from Caesarian sections at OVC's large animal clinic last week. While Caesarian section is fairly commonplace for the theriogenologists in the Department of Clinical Studies, it is unusual to have three cases at one time, according to Dr. Cliff Barker, Clinical Studies.

Caesarian deliveries may be almost routine in a well-equipped and well-staffed clinic, but they are impractical in a rural practice and an attending veterinarian will refer them to the nearest major clinic. Most OVC Caesarian cases come from 30 or 40 miles away.

"It's amazing that mares in that condition could stand such a gruelling trip and come through the operation satisfactorily, but they do," says Dr. Barker.

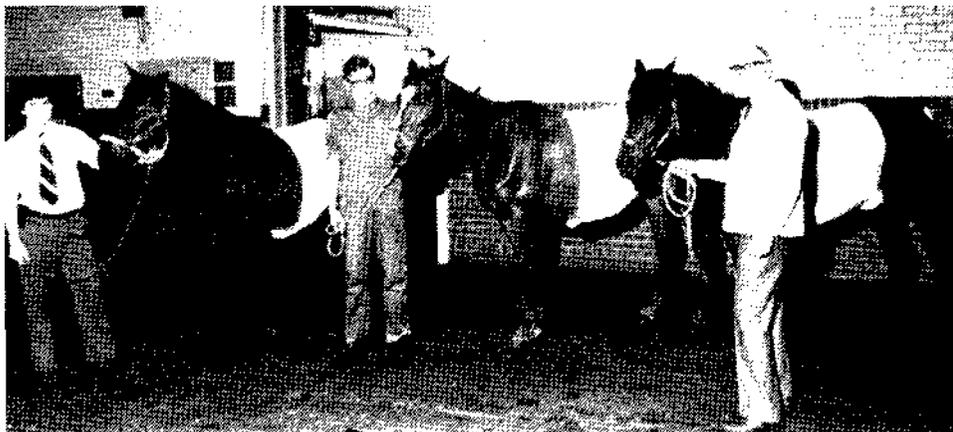
A Caesarian section is a four-hour operation requiring the services of about six people, including anaesthetists and surgeons,

explains Dr. Barker. In some cases, it is known in advance that surgical delivery is required, but others are last-minute emergencies. The OVC clinic maintains a 24-hour emergency service with a clinician and assistants on duty.

Normally, the mare will stay in the hospital for seven to 10 days after surgery. The surgery must be done aseptically, especially when dealing with horses, says Dr. Barker, because mares seem less able to throw off a minor infection than do cows or goats.

Dr. Barker says that since the cost of Caesarian delivery is so high (the surgical fee and the cost of boarding in the hospital is about \$1,500), the owner must decide whether the value of the mare justifies the cost.

The clinic is anxious, though, to have some Caesarian cases each year for teaching purposes, adds Dr. Barker. □



Left to right, clinicians involved with the three recent Caesarian cases at OVC are Drs. Norm Ducharme, Ken Ross and Cliff A. V. Barker.

Guildhall recognizes LRS student green space designs

Green space design projects done by School of Landscape Architecture students will be displayed at the Guildhall in London, England in September.

The five students, who will graduate in June from the B.L.A. program, completed the projects as part of a conservation course at the City of London Polytechnic when they spent the fall 1982 semester in London.

Warren Harris, one of the students, says the course involved studying green spaces in London and the particular assignment was to take an open space within the Old City and redesign it. All sites were between a half acre and one acre.

"It is quite an honor to be asked to have your work displayed at the Guildhall," says Professor C.R.J. Man, School of Landscape Architecture. "The people at the Polytechnic felt the quality of work warranted display at the school and it was then seen by London City officials who decided to display it at the Guildhall."

Mr. Harris says he was surprised their work was chosen for the display. "We didn't have the right equipment. We didn't even have drafting tables and we had to do elevations instead of a good plan. It was nothing compared to what we do here at Guelph."

The site Mr. Harris redesigned was a square beside the Museum of London which included parts of old buildings that had been either bombed or demolished. "After analyzing the use of the square during the day and at night, I decided to use the shells of the old buildings as a garden wall," he says.

"Each building became a seating area, a cafe or a garden area, and the whole area was linked to a back alley system in that part of the city. Pedestrian linkage was essential because the area is used by people from the Museum and nearby St. Paul's Cathedral."

The other Guelph students whose projects will be displayed at the Guildhall are: Jim Daigle, Dean Maahs, Sandra Osmond and Eric Pederson. □

Trees and shrubs save water quality

Trees and shrubs along the stream bank play several crucial roles in improving and maintaining water quality.

School of Engineering professor Hugh Whiteley says that leaves falling into the water are a natural source of organic matter that settles in the stream bed. The leaves serve as fuel for the micro-organisms in the sediment to convert potentially hazardous nitrate in the water to nitrogen which escapes as an innocuous gas. This denitrification process is greatly enhanced by the presence of natural organic matter.

Vegetation along the stream bank contributes to water quality by restricting the entry of sediment into the stream. Trees along the bank also provide shade, thus preventing water temperature fluctuations which are injurious to fish.

Prof. Whiteley is taking water quality measurements in streams to determine the need for water quality improvements and to plan necessary remedial measures. Studies done by Prof. Whiteley and researchers in the Department of Environmental Biology have confirmed the conversion of nitrate to nitrogen gas and have pinpointed the vulnerability of streams in areas where there is coarse textured soil. On such soil, nitrogen fertilizer must be applied with care because there is a greater tendency for nitrogen to reach ground water and then enter the streams.

Studies of water quality, erosion and sedimentation are serving as a basis for the development of erosion and sediment control programs for Ontario, says Prof. Whiteley.

Remedial measures recommended by the researchers include the following:

- Agricultural cropping should be kept back from the stream bank and a strip of vegetation left along the stream,
- Pastured animals should be kept away from the bank during periods when the bank is vulnerable to erosion, and,
- Sharp bends and areas around tile outlets are susceptible to erosion and should be adequately protected. □

Cartographer, Geography. Maternity leave to begin July 11, 1983 to November 11, 1983. Salary range: 273.16 - \$392.86.

THE INSTALLATION of President Forster as President of the University of Toronto will take place September 29 at 2:30 p.m. in Convocation Hall at the University of Toronto.

THE PHOTOGRAPHIC division of Illustration Services will be closed from Friday, May 13 to Monday, May 16 for the move to the second floor of Blackwood Hall. Service will resume May 17. All telephone extensions remain the same.

Professor Miriam Adelstein, Languages and Literatures, was an invited speaker at the Ontario Co-operative Program for Latin-American and Caribbean Studies (OCPLACS) conference held at Guelph. Prof. Adelstein presented a paper on Jose Donoso's book El iardin de al lado.

Professor O. Brian Allen, Animal and Poultry Science and Mathematics and Statistics, presented a colloquium to the departments of mathematical sciences and clinical epidemiology and biostatistics, McMaster University. His talk was "The Analysis of Experiments Involving Repeated Measurements."

Professor Nancy Bailey, English Languages and Literatures, gave a paper "Rudy Wiebe's Mad Trapper: Historical and Imaginative Truth" at the annual meeting of the North Eastern Modern Languages Association held in Erie, Pennsylvania.

Professor George Bedell, School of Hotel and Food Administration, received the "Man of the Year" award at the Canadian Restaurant Association Foundation festival dinner held in Toronto. This is the highest honor conferred by the CRA Foundation.

The award was bequeathed in 1980 by the late Jack C. Sim, past national president of the Canadian Restaurant and Foodservices Association to recognize an outstanding member of the foodservice industry whose activities exemplify the objectives of the CRA Foundation which are to upgrade the industry through education and research.

Recipients are selected from the CRA Foundation College of Diplomates, a group of individuals recognized for their outstanding contribution to the development of foodservice and hospitality education and training in Canada. Prof. Bedell received the College of Diplomates award in 1981.

C. Young Cho, Nutrition, was an invited speaker at the annual meeting of the Michigan chapter of the American Fisheries Society held at Ann Arbor, Michigan. Mr. Cho spoke on "Nutritional Energetics of Salmonid Fishes." He described research work carried out at Guelph that is used by the Ontario Ministry of Natural Resources in their fish hatcheries.

Professor A. Gökçe_n, Languages and Literatures, participated in the second semi-annual conference of the Canadian Society for Italian Linguistics and Language Teaching held at Concordia University, Montreal. He presented a paper, "II Trattamento Delle Vocali Toniche (< E,AE) e E (< e la Quantità Vocalica in Milanese."

At a meeting of the executive council, he was elected editor of papers in linguistics to be published in the Acts of the Society.

Professor Kenneth Graham, English Language and Literature, was elected chairman of the Gothic Narrative Tradition section of the Northeast Modern Language Association.

Professor Kenneth Graham, English Language and Literature, represented the Canadian Society for 18th-Century Studies at the annual meeting of the American Society for 18th-Century Studies held in New York.

Professor Gerhard Lang, Veterinary Microbiology and Immunology, has been invited by the Hungarian Academy of Sciences to spend a week at the Academy's Veterinary Medical Research

Institute in Budapest for consultation with Hungarian veterinary experts on control and eradication of infections in industrial scale livestock operations.

Dr. Lang will be in Budapest during the last week of September.

Anya Laurence, pianist, Department of Music, and American violinist Paul Windt performed in concert at the University of Western Ontario at the invitation of the Faculty of Music there. The musicians appeared in the Guest Artists series and performed a program of works by Efreim Zimbalist and Efreim Zimbalist, Jr.

Dr. R.E. Lenkinski, Chemistry, recently chaired the bio-organic session of the 16th Rare Earth Research Conference held at Florida State University. Dr. Lenkinski presented two papers entitled "NMR Studies of Cation Transport Across Biomembranes" and "Lanthanide Complexes of Adriamycin."

He was also a recent guest of the chemistry department, University of Florida in Gainesville where he presented an invited lecture, "Spectroscopic Studies of Antitumor Antibiotics."

Professor K. Menzies, Sociology and Anthropology, gave a speech on "Research Methods and Program Evaluation" to a conference of the Ontario Pre-Trial Association and Community Service Order Co-ordinators' Association held at Geneva Park.

Professor Francois Pare, Languages and Literatures, presented a paper, "Baroque and Pedagogy," at a conference on the Baroque Age which was organized by Calvin College and the Michigan Council on the Humanities and held in Grand Rapids, Michigan.

Professor John T. Powell, Human Biology, has received the diploma of distinction for the film Cardio-Vascular Club from the Czechoslovakian Ministry of Tourism and Sport.

The film was entered in a Prague film festival.

Professor John T. Powell, Human Biology, gave seven lectures on interdevelopment in the College of Physical Education at Western Illinois University. He also delivered two university lectures, "Human Morphology" and "Aesthetics of Movement."

Professor J.O.D. Slocombe, Pathology, attended the New Brunswick Provincial Veterinarians meeting where he presented a paper "Efficacy of Ivermectin Against Migrating Strongylus vulgaris in Horses."

Prof. Slocombe also presented three papers at the O.V.A. 1983 Continuing Education Conference at Toronto. He spoke on "Heartworm in Ontario: Distribution and Prevention," "Efficacy of Ivermectin Against Migrating Strongylus vulgaris in Horses," and, "Effect of Deworming the Dairy Cow at Calving on Milk Production."

Professor K. Victor Ujimoto, Sociology and Anthropology, was invited to participate in the UNESCO Symposium on Social Indicators of the Quality of Life held in Ottawa. The purpose of the symposium was to develop better statistical measures of the quality of life. UNESCO has been working on the problem of measuring the quality of life in industrialized and non-industrialized countries for many years.

About 40 social scientists from different countries participated in the symposium.

Boyle, J.W., 1983. "Founder of the Land League," review of Moody, T.W., Davitt and Irish Revolution, 1846-82 in Irish Literary Supplement, vol. 2, no. 1: 43 (History).

Capstick, C.K. and K. Ronald, 1982. "Modelling Seal Populations for Herd Management," in Working Party on Marine Mammals, Mammals in the Seas, FAO, vol. IV: 177-190 (Capstick, Comp. & Info. Science; Ronald, Zoology).

Chicken, C.A. and F.J. Sharom, 1983. "The Concanavalin A Receptor from Human Erythrocytes in Lipid Bilayers. Interactions with Concanavalin A and Succinyl-Concanavalin A," Biochim. Biophys. Acta. 729: 200-208 (Chemistry).

Davidson-Arnott, R.G.D. and Keizer, H.I., 1982. "Shore Protection in the Town of Stoney Creek, Southwest Lake Ontario, 1934-1979: Historical Changes and Durability of Structures," Journal of Great Lakes Research, v. 8: 635-647 (Geography)

Frank, R.J. and K. Ronald, 1982. "Some Underwater Observations of Hooded Seals, Cystophora cristata (Erleben), Behaviour," A.O. Mamm., 9: 67-68 (Zoology).

Gburski, A., C.G. Gray and D.E. Sullivan, 1983. "Higher-order Spectral Moments in Collision-induced Absorption. Inert Gas Mixtures," Chem. Phys. Lett. 95: 430 (Physics).

Wanted

Full-size cello for beginning student, 2797; 5-speed ladies' touring bike, 3281; furnished room or one-bed apt. for single, male, post-doc fellow from Poland, from June 10, contact M. Fujimoto, 3987; responsible couple requires sunny, unfurnished, 2 bedroom apt. with yard and storage, June occupancy, 822-1617; furnished house near University for July 15 to Aug. 31 for visiting scientist from Japan with wife and 2 children, 3698.

For Sale

1975 Toyota Corolla 1600, parts only, 3775; German Olympic running martingale (Market Herborough), rolled leather English show bridle, size 12 navy blue English riding jacket, size 5 Aigle English riding boots, size 4 leather English riding boots, several bits, 843-5778 after 1800; Winchester 101 o/u shotgun, 836-9508 evenings; Mordaunt-Short English speakers, 1 pair Festival, 1 pair Pageant, 1977 LTD Wagon, 824-6139; bunk beds, Big Trak computerized toy truck and trailer, 821-5096; 40-gallon electric Cascade water heater, 822-6070; garage sale, May 14, 0900 - 1700, 20 Lisa Lane (Westwood area); Wagner upright piano, walnut cabinet, flagstone suitable for planter, 822-1232; kitchen suite, 824-0563 after 1700.

For Rent

3 or 4 bedroom furnished bungalow, available June and July, 836-2885; 3 bedroom cottage on Miller Lake, Bruce Peninsula, 824-9579; recently renovated 2 bedroom apt. on main floor of older home, available July 1 or Aug. 1, 821-9064 after 1800. Personals is a free service offered by the News Bulletin for staff, faculty and students at the University. All items must be submitted to the News Bulletin IN WRITING one week before publication.

Next Week at Guelph

THURSDAY, 83 05 12

Graduate Research Seminar - HISTIOCYTIC LYMPHOSARCOMA IN A CAT: A CASE REPORT, K.F. Chooi, 1110, Path. 220.

Guelph Spring Festival - HANCOCK'S LAST HALF HOUR, 2100, Inner Stage, tickets at UC box office.

Continuing Education - CREATIVITY, PROBLEM SOLVING & INNOVATION, 0900, J.G. Murray, Ext. 3956 to register.

Spotlight on the University of Guelph - 1900, cable 8.

ICS - APL JAM SESSION, I. Ehrlich, 1400, Ext. 3046 to register.

Scottish Heritage Festival - WHISKEY GALORE and ROCKETS GALORE, 2000, PS105; NOON HOUR CONCERT, UC.; CEILIDH WITH MILTON PIPE BAND, Duke of Graf tons; THE SCOTTISH TRADITION IN CANADA REVISITED, W. Stanford Reid, 1900, PCH; HARP OF ANOTHER NORTH: THE INFLUENCE OF SIR WALTER SCOTT ON CANADIAN POETRY, E. Waterston, 2000, PCH.

Orientation - STUDY SKILLS WORKSHOP, 1300 and 1900, UC441.

FRIDAY, 83 05 13

Guelph Spring Festival - HANCOCK'S LAST HALF HOUR, 2100, Inner Stage, Mackinnon bldg., tickets at UC box office.

Friday Flix - FRIDAY THE 13th, 2000, PS105.

Scottish Heritage Festival - SCOTTISH INVASION AT THE BULLRING DANCE, 2000, Bullring; SCOTTISH BANQUET, 1900, PCH; CLAN AND COMMERCIAL BOOTHS, UC; CULLODEN and KIDNAPPERS, 2000, PS105; EMIGRATION FROM THE PERTH ESTATE TO ONTARIO 1755-1820, D. Baker, 0930, MacK119; MY DEAR BROTHER: THE STORY OF A SCOTTISH IMMIGRANT - ALEXANDER CARLYLE, R. 9. Lewis, 1030, MacK119; SCOTTISHNESS -- MYTH OR REALITY?, A. MacIntyre, 0930, MacK116; THE SCOTTISH CONTRIBUTION TO BAPTIST LIFE IN CANADA, J. Ban, 1030, MacK116; THE EXPERIENCES OF A RADICAL IMMIGRANT: JOHN MACADAM IN UPPER CANADA, J. Fyfe, 1130, MacK119; "HOLY WULLIE" IN ONTARIO: PIOUS AND IMPIOUS SCOTSMEN IN S.W. ONTARIO IN THE FIRST HALF OF THE 19TH CENTURY, S. Gill, 1130, MacK116; HUMOR IN SCOTTISH-CANADIAN LITERATURE, K. Mackinnon, 1400, MacK119; JOHN MACTAGGART AND CANADA 1826-1828, G. Emmerson, 1400, MacK116; THE GAELIC TRADITION IN ONTARIO: CONTRIBUTIONS TO MAC-TALLA 1892 - 1904, M. MacDonell, 1500, MacK119; SIR WILLIAM MACKENZIE: A SCOTS-CANADIAN AHAB, R. Fleming, 1500, MacK116; THE CLUB PAPERS: THE NOVASCOTIAN NOCTES AMBROSIANAE, G. Davies, 1600, MacK119; HARRY LAUDER IN CANADA, R. Hathorn, 1600, MacK116.

Continuing Education - CREATIVITY, PROBLEM SOLVING & INNOVATION, J.G. Murray, 0900, Ext. 3956 for details.

SATURDAY, 83 05 14

Guelph Spring Festival - HANCOCK'S LAST HALF HOUR, 1500 and 2100, Inner Stage, Mackinnon bldg; THE BEAUTY OF BRAHMS, Anton Kuerti, piano, 2000, WMH, tickets at UC box office.

Scottish Heritage Festival - DOWNTOWN DISPLAY, 1200, St. George's Square; SCOTTISH MUSIC AND DANCE, 0930, PCH; FOLK MUSIC & SONG COMPETITION, 1400, Brass Taps; CEILIDH, 2000, PCH; SCOTTISH BOOK DISPLAY, 1000, MacK132; TRADITIONAL DANCE MUSIC, 0930, PCH; SCOTTISH COUNTRY DANCING, 1100, PCH; MUSIC OF THE HIGHLAND BAGPIPE, 1330, PCH; SCOTTISH HIGHLAND DANCING, 1500, PCH; THE KIDNAPPERS, 1000, PS113; CULLODEN, 1200, PS113; CHARLOTS OF FIRE, 1215, Brass Taps; TUNES OF GLORY, 1700, PS113; TIME OF DECISION: SCOTTISH LOYALISTS OF THE AMERICAN REVOLUTION WHO LEFT FOR CANADA, 0930, MacK119; TRACING YOUR SCOTTISH FAMILY, 0930, MacK116; ROYALISTS, HIGHLANDERS, EMIGRANTS: THE ROYAL HIGHLAND EMIGRANT REGIMENT AND LOYALIST SETTLEMENT IN UPPER CANADA IN 1784, 1030, MacK119; SCOTTISH INFLUENCES IN CANADA'S RELIGIOUS EXPERIENCE, 1030, MacK116; THE GLOOMY FOREST: THE HIGHLAND SCOT IN NOVA SCOTIA, 1130, MacK119; THE

POPULAR PIETY OF RALPH CONNOR: A CASE STUDY IN SCOTTISH, EVANGELICAL LIBERALISM IN CANADA, 1130, MacK116; ACHD AN RHIGH: THE GOVERNMENT-SPONSORED MIGRATION TO GLENGARRY, 1400, MacK119; THE SCOTTISH IMMIGRANT IN THE CANADIAN NOVELS OF FREDERICK NIVEN, 1400, MacK116; MACMILLAN AND MACNAB: TWO SETTLEMENT ATTEMPTS ON THE OTTAWA RIVER, 1500, MacK119; THE SURVIVAL OF GAELIC CULTURE IN CANADA, 1500, MacK116; KIRKALDY BIRTHPLACE OF GENIUS: THE ADAM BROTHERS, ADAM SMITH AND SANDFORD FLEMING, 1600, MacK119; THE ENTREPRENEURIAL SCOT IN NORTH AMERICA, 1600, MacK116.

SUNDAY, 83 05 15

Cycling Club - HESPLER, 1000, front of UC; WORKSHOP, 1330, 49 Ontario St.

Worship - CATHOLIC MASS, 1015, Red Lounge, MacKinnon building.

Art Exhibits - A.Y. JACKSON: THE EARLY YEARS and STEPHEN CRUISE: AN INSTALLATION, until June 5; WORKSHOP WITH STEPHEN CRUISE, 1400, Macdonald Stewart Art Centre.

Scottish Heritage Festival - SCOTTISH MANUSCRIPTS IN

CANADIAN REPOSITORIES: SOME PRELIMINARY OBSERVATIONS

ON THEIR SCOPE AND POTENTIAL VALUE, 0930, MacK119;

HIGHLAND/LOWLAND DICHOTOMIES AND OTHER SCOTTISH ETHNIC

BOUNDARIES IN THE 19TH CENTURY CANADIAN FUR TRADE, 0930,

MacK116; SEARCHING FOR SCOTS-CANADIAN MANUSCRIPTS, 1030,

MacK119; KITH AND KIN IN GUELPH, CANADA WEST: JOHN GALT

AND THE SCOTTISH LEGACY, 1030, MacK116; PERTH REMEMBERED,

1130, MacK119; THE MYTH OF SCOTCH CANADA, 1230, MacK116;

WESTERN ONTARIO HIGHLAND DANCE COMPETITION, 0830, Royal

Canadian Legion, Col. McCrae Branch; SCOTTISH PICNIC,

1330, Riverside Park.

Concert - SPRING AT THE ARBORETUM, Paula Elliott, flute,

Arlene Wright, harpsichord, 1430, OAC Centennial Centre.

Arboretum - SPRING WARBLERS, 0800; GUIDED WALKS, 1100,

and 1300, Arboretum.

MONDAY, 83 05 16

Spotlight on the University of Guelph - 1830, cable 8.

ICS - CMS EXEC PROCESSOR, R. Creedy, 1330; INTRO TO CMS, F. Bruckner, 1900, Ext. 3046 to register.

Lecture - MODIFICATION OF ORGANOPHOSPHATE NEUROTOXICITY IN THE AVIAN SPECIES, Dr. B. Jortner, Virginia Tech., 1110, Path. 220.

TUESDAY, 83 05 17

Meeting - SENATE, 2000, PS 113.

Lecture - ALUMNI AFFAIRS AND DEVELOPMENT, 1600, UC103.

ICS - INTRO TO SCRIPT FOR GRAD STUDENTS AND FACULTY,

J. Bell, 0900; INTRO TO SPSS, T. Colwill, 1200; INTRO

TO SHARP APL, D. Woodhouse, 1900; INTRO TO FORTRAN,

T. MacKay, 1330, Ext. 3046 to register.

Orientation - STUDY SKILLS WORKSHOP, 1300 A 1900, UC441.

Informal Kodachrome Session - BASIC ASPECTS OF VETERINARY NEUROPATHOLOGY, Dr. B. Jortner, Virginia Tech., 0910, Path. 220.

WEDNESDAY, 83 05 18

Guelph Cycling Club - FIFE ROAD, MARDEN, 1715, front of UC.

Worship - ANGLICAN EUCHARIST, 1200, Johnston Hall 158.

ICS - XEDIT SEMINAR FOR VOLKER CRAIG TERMINALS, M. Torrance,

1000, Ext. 3046 to register.

Biophysics/Biochemistry Seminars - GENES OF ADENOVIRIJS

THAT TRANSFORM CELLS, Or. S. Bayley, McMaster, 1210, PS222.

THURSDAY, 83 05 19

Graduate Research Seminar - THE ROLE OF THE

VETERINARY PATHOLOGIST IN A REGIONAL LABORATORY, G.K.A

Josephson, 1110, Path. 220.

Faculty Association - COUNCIL MEETING, 1930, Faculty Club Lounge.

Spotlight on the University of Guelph - 1900, cable 8.

Orientation - STUDY SKILLS WORKSHOP, 1300 and 1900, UC441.

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

The logo for the Guelph University News Bulletin. It features the word "guelph" in a lowercase, bold, sans-serif font. The letter "e" is replaced by a small crest or shield. To the right of "guelph" is a large, stylized "ph" in the same font. The entire logo is set against a black background.

UNIVERSITY NEWS BULLETIN

The News Bulletin is published weekly by the University of Guelph's Information Services, level 4, University Centre. Deadline: noon Thursday. Executive Editor - Sandra Webster. Copy Editor - Martha Leibbrandt. Contents may be quoted or reproduced. Telephone 824-4120, Ext. 3864.