

An Alumni Affairs and Development report shows that the younger colleges are short on scholarships. See page 3.

## Morrison to head tuna probe

by Ian Sloan

Department of Food Science chairman Alex Morrison is heading a three-member federal commission to examine inspection procedures and product quality at the Star-Kist fish processing plant in St. Andrews, N.B.

Morrison, who was appointed Jan. 9 by the minister of fisheries and oceans, Tom Siddon, said the commission will review the standards and procedures used over the past three years at Star-Kist, which is a subsidiary of H.J. Heinz Co. He said it will look at both sides of the issue — department of fisheries inspection and factory quality control.

The point of the commission is to provide independent advice to the minister, said Morrison, who plans to go into the inquiry with an "open mind."

Before coming to Guelph in 1984, Morrison was assistant deputy minister in

charge of the health protection branch, Department of National Health and Welfare, where he was responsible for a program to eliminate health hazards in the physical and social environment. His staff dealt with foods and food safety, drugs and cosmetics, narcotics, radiation emission and environmental pollutants.

Morrison said the inquiry gains credibility from the fact that he has an appointment at a respected university. OAC Dean Freeman McEwen said Friday that Guelph has a well-established reputation in the food industry and a long, successful record in food quality research. "We are pleased that the ministry has recognized this," he said.

Morrison expects the commission will require two to three working weeks to conduct its investigations. The minister, he



Alex Morrison

said, is "obviously anxious" to have the commission report as soon as possible.

Appointments to the two other positions on the commission had not been announced by Ottawa by *Guelph* press time. 0

## Hérons 'fly' south... first class

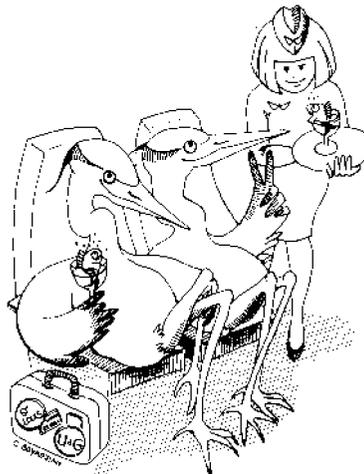
by John Hearn

This story begins in early December when a Great Blue Heron, which had enjoyed the summer up in North Bay and was in no hurry to fly south, fractured a wing. The disaster was swiftly followed by the onset of just the kind of Canadian winter that Great Blue Herons like to avoid.

Standing for a time in shallow water, trying to decide what to do next, our heron was further dismayed to find its feet encased in a block of ice.

Luckily, the bird's plight was observed by a local naturalist who alerted Joe Greenwood, an animal control officer with the North Bay Humane Society. Greenwood rescued the bird, looked after it for a few days and then arranged with Air Canada to transport it to Toronto. From there it came to Guelph, where fourth-year students in OVC's Wild Bird Clinic proceeded to repair its wing and get it back into flying condition.

Meanwhile, over in Fenelon Falls, another stranded Great Blue Heron was being rescued — this one by members of the Kawartha Humane Society. The emaciated bird was also brought to Guelph, where it was housed in a cage right next to its North Bay cousin.



Once both birds had recovered, the students arranged for them to spend the rest of the winter with Adele Evans, who runs the "Heron Hilton," a sanctuary near St. Louis, Missouri. Student volunteers drove the birds to the airport in Buffalo, New York, to catch a flight to St. Louis. After winging their way south in more comfort than migrating birds are accustomed to, the Great Blue Herons, none the worse for their adventures, are now enjoying Evans's hospitality.

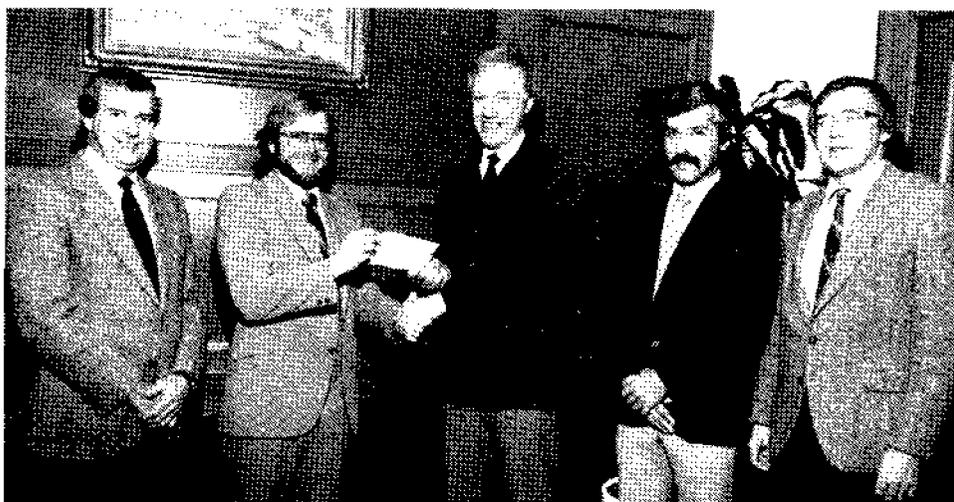
These are only two of more than 200 such stories that could be told each year about the work of the Wild Bird Clinic. Funded primarily by OVC, with additional support from the Max Bell Foundation, Wildlife Canada, World Wildlife Fund Canada and the Elsa Wildlife Animal Appeal, the clinic is the only one of its kind in Canada, and one of only four in North America.

Hardly a day goes by at the clinic without one or more injured birds coming in for treatment. Most of the birds are hawks, owls and waterfowl, says Prof. Bruce Hunter. Some have been accidentally caught in traps or injured in collisions. The birds stay at the clinic long enough to receive treatment, he says, and are then released, usually through local conservation groups.

Right now the clinic is caring for a bald eagle that was shot in the shoulder. When it has recovered, he says, it will go to a zoo.

Surgery and medical responsibilities at the clinic are handled by fourth-year students, and more than 130 other students look after cleaning and feeding the birds on a voluntary basis. The clinic is open every evening from 6 to 9 p.m.

The clinic and its work also provide an opportunity for public education, says Hunter. Student volunteers regularly take owls, hawks and other injured birds into the high schools as living examples of wildlife and its hazards — and of OVC's relationship with them. 0



OVC recently received \$153,000 from Boehringer Ingelheim for basic and applied research into exercise-induced pulmonary hemorrhage in race horses. From left are Dr. Fred Harris and Bill Maxwell of Boehringer Ingelheim, OVC dean Ole Nielsen, and Clinical Studies professors Laurent Viel and Wayne McDonell.

## OVC signs contract to research race horse disease

by Ann Middleton

OVC has signed a \$153,000 contract with the international drug company, Boehringer Ingelheim, to investigate a disease that is a major cause of poor performance in race horses.

Under the two-year contract, negotiated by Clinical Studies professors Laurent Viel and Wayne McDonell, the scientists will examine the causes and treatment of exercise-induced pulmonary hemorrhage.

It's believed that as many as 75 per cent of race horses suffer from pulmonary hemorrhage, a disease that can take a \$100,000 animal suddenly and permanently off the racing circuit. The condition is difficult to diagnose because the horse usually swallows any bloody mucous that moves up the trachea from the lungs.

The two scientists, among the few working on the disease, have become internationally known for their treatment techniques — Viel for his expertise in pulmonary function testing in horses, and particularly for the use of bronchoalveolar lavage techniques, and McDonell for his use of nitrogen washout in horses.

Viel has designed a diagnostic fibre optic endoscope that is adapted from a human colonoscope, much longer than the instrument used for human or equine lungs. Three metres of tube reach deep into the horse's lungs and allow veterinarians to wash the alveoli where the bleeding occurs. Viel says the bronchoalveolar lavage often provides evidence of intrapulmonary bleeding even when there are no obvious clinical signs.

Lung function is also examined with another piece of equipment especially designed for this research. The Dutch-produced pneumotachograph monitors function during intense exercise, providing a linear response

up to a flow rate of 1,000 litres a minute. Because OVC does not have a treadmill, high frequency breathing is induced by a chemical respiratory stimulant. (There are plans to install a treadmill at the new Guelph Centre for Equine Research, which is expected to be operational by the summer of 1987.)

Under the terms of the contract, the scientists will also test the efficacy of the drug clenbuterol for treatment of pulmonary hemorrhage. Although the drug is commonly used as a bronchodilator, there is no research to support its use for the treatment of hemorrhage. Clenbuterol trials will be carried out in the field.

The study will involve 30 animals, with half serving as controls. Viel has developed a method of carrying out bronchoscopic examinations that allows the study animals to be treated as outpatients. They are lightly sedated and restrained in a standing position, thus avoiding the hazards of anesthesia and the physical problems of dealing with large animals as they go "under."

McDonell says OVC personnel are "particularly delighted" with the Boehringer Ingelheim contract because it covers the costs of basic research. Companies commonly seek narrow field trials for their drugs when much more work is needed. "Working with horses is expensive," he says. "There are equipment costs, laboratory costs, transportation and staff costs." But the contract covers all those expenses, as well as the salary of Terry Whiting, an OVC '84 graduate who will do his master's work on the project.

The researchers will be working closely with Dr. Fred Harris, Boehringer Ingelheim's manager of veterinary affairs, as well as with race horse owners, trainers and veterinarians.

### Letters to the Editor

#### Alumni recognition

I would like to express my thanks for the inclusion of Guelph alumni activities in recent issues of *at Guelph*. The reporting of alumni activities expresses to the University community and to the citizens of the City of Guelph that we, as alumni, are supportive of our University.

I would, however, like to comment on the Dec. 5 article on the T.R. Hilliard Distinguished Extension Award and the Dec. 19 article on OAC renovations in Johnston Hall. The Hilliard article should have given credit to the OAC Alumni Foundation, which established this award with donations from Guelph alumni, and friends and relatives of Hilliard. In the article on Johnston Hall, it would have been appropriate if the photograph of the dean's boardroom had given credit to the OAC Class of '84, which contributed more than \$8,000 towards purchase of the boardroom table to mark the 50th anniversary of the class.

Proper recognition of donors will ensure continued contributions from alumni. Our University, in turn, becomes the greatest benefactor because of this recognition.

Norman McCollum,  
Vice-President, OAC Alumni Association

### Meet candidates for OEP directorship

Four open seminars are scheduled this month for interested members of the University community to meet candidates for the position of director, Office for Educational Practice.

The internal candidate is Dr. Don McIntosh, Jan. 30, 3 p.m., Room 442, University Centre. External candidates are: Lorne Parker, Jan. 27, 3 p.m., Room 442, UC; Christine Nash, Jan. 29, 9 a.m., Room 260, Chemistry/Microbiology building, and Richard Tiberius, Jan. 31, 2 p.m., Room 442, UC.

The selection committee would like comments that would help them in their selection by Feb. 4. Members are: Vice-President, Academic, Howard Clark, chairman of the committee; Prof. Joanna Boehmert, Psychology; Dean Richard Barham, College of Family and Consumer Studies; Paul Gilmor, Provost; Ian Easterbrook, Office for Educational Practice; and Dean David Murray, College of Arts. 0

### Financial Services' director named

John Freeman will join the University Feb. 10 as director of Financial Services.

Freeman is an MBA graduate of York University who has been with Suncor Inc., Toronto, since 1978 as manager, corporate performance analysis. 0

## Observatory open for Halley watchers

The University observatory is offering special viewing times in January, March and April on many of the dates when Halley's Comet will be visible.

On Jan. 16 and 17, the observatory will open at 6:15 p.m. In March and early April, it will open before dawn — at 4:30 a.m. March 5 and 7; 4:15 a.m. March 12; 4 a.m. March 14, 17 and 19; 3:45 a.m. March 21, 24 and 26; and 3:30 a.m. March 28 and 31 and April 2 and 4.

When the comet becomes visible again in late April, the observatory will be open at 8:15 p.m. April 21, 22 and 23. An experienced observer will be on hand each time the observatory is open.

The observatory will only open on nights when the sky is clear enough for good viewing. If in doubt, telephone Ext. 2621 after 4 p.m. for a recorded advisory.

Visitors are advised to bring a good pair of binoculars for viewing. Visits will be limited to one hour. 0

## Report shows younger colleges short on scholarships

More than \$725,000 in privately funded scholarships, bursaries, loan funds and special funds is available each year to undergraduate and graduate students at Guelph, according to a report prepared by the Department of Alumni Affairs and Development.

The report was compiled "to get a picture of how much private support there is at the University for student awards," says Don Livingston, assistant director for development, Alumni Affairs and Development.

As of May 1, 1985, Guelph had a total of \$5,322,433 in privately endowed award funds. Given by donors in a lump sum, these funds are invested by the University, and only the annual interest is used for awards.

Of that endowment total, \$3,891,321 was in scholarships, \$355,125 in bursaries, \$274,862 in loan funds and \$801,125 in special funds. Interest from endowed loan funds is available to students on a short-

term, emergency basis; the special funds are for such purposes as research and travel.

In addition to endowed funds, the University receives scholarship and bursary funds from private donors on an annual basis — as of May 1, these totalled \$220,879.

The report also includes a breakdown by college of the privately funded scholarships available to students each year. Some 60 per cent of these funds are in OAC — \$345,159 a year. The next largest percentage (10.7 per cent) is in FACS — \$88,185.

OVC has \$58,457 in private scholarships available each year (10.2 per cent of the total); the College of Physical Science has \$35,361 (6.1 per cent); the College of Biological Science has \$21,991 (3.8 per cent); the College of Social Science has \$14,330 (2.5 per cent); and the College of Arts has \$9,171 (1.6 per cent).

The large discrepancy in the scholarship funds available in the founding colleges and the newer colleges was no surprise, says Livingston. The founding colleges have had more time to build up endowed funds, they have more graduates as potential donors, and their programs are better known to donor corporations. But the figures do provide a "pretty graphic illustration that the newer colleges need help," he says.

(In addition to private scholarships, of course, there is more than \$500,000 in University-funded scholarships available to undergraduate and graduate students in all colleges each year.)

Gerry Davidson, assistant registrar, awards, says the Alumni report's breakdown of college awards will give potential donors a much clearer picture of where their money is needed. Many donors approach the University with a specific college in mind, but for those who ask "Where do you need the money?" says Davidson, the University now has some basis for saying, "We need money here."

Davidson says the report gives his office "a good start" for some analysis of student awards. He plans to take the information on college scholarships and mesh it with enrolment figures, to get a picture of how the colleges compare on a per student basis. He says this will give college deans an even clearer idea of where they stand, and where they should be heading, in terms of scholarship and bursary funding. 0



At left, Bruce Brown of Newcastle receives the Samuel Leister Carr Scholarship from Carr's sister-in-law, Ethel Carr of Mississauga. At right, Carr presents the William Park Carr Scholarship to Frank Stoop of Wainfleet.

## Two farmers get OAC scholarships

Two OAC graduates who returned to the farm after finishing their studies, Bruce Brown of Newcastle and Frank Stoop of Wainfleet, have received \$3,500 Carr awards.

The prestigious awards are made annually from an endowment from the estate of Samuel Leister Carr to graduates whose university career included involvement in campus and community activities as well as a good academic record. The winners must be active farmers.

Can, a bachelor, farmed in Etobicoke before urbanization overtook his farm. He died in 1971. The awards were presented by his sister-in-law, Ethel Carr of Mississauga.

Brown received the Samuel Leister Carr Scholarship, and Stoop received the William

Park Carr Scholarship.

Brown, who graduated in 1985 with a B.Sc.(Agr.), comes from a dairy and fruit farm at Newcastle, 15 miles east of Oshawa. He has been active in his local Junior Farmer club, has served for three years as a 4-H leader, and has been involved in other agricultural activities. On campus, he was a student member of Senate and president of Aggie Week, and he took an active part in several campus clubs and intramural sports.

Stoop, who graduated with a Diploma in Agriculture in 1985, also comes from a dairy farm, where he has been taking an active role in management decisions. On campus, he was president of the Holstein Club, was active in several other student clubs, including College Royal, and participated in intramural sports. 0

### CORRECTION

In the Dec. 5 edition of *at Guelph*, the appointment notice of Shai Barbut should have read that he is assistant professor in the Department of Food Science, with a joint appointment in the Department of Animal and Poultry Science. 0

## FACS professor helps develop programs for rural Africa



John Heam, P.R.I.

Family and Consumer Studies professor Lila Engberg is back from Malawi, an African country just south of the equator, after a 31/2-year leave spent with the University of Malawi's Chancellor College.

Working on a University of Mount Saint Vincent project sponsored by the Canadian International Development Agency, Engberg was involved in reviewing Chancellor College's home economics curriculum and working with faculty to develop programs appropriate to the country's needs.

Part of the program was aimed at developing the contacts and collaborative approaches

needed to study such issues as domestic rural technology, energy conservation and income generation of rural women.

Engberg says technology in rural Africa has to be approached at a primitive level. The energy there is "almost exclusively human energy or, more specifically, woman power," she says. Firewood must be carried by head-load, often from miles away. A great deal of rural women's time and effort is consumed in hauling water and laundering in streams some distance from the home. The dehusking, grinding and processing of maize, one of the food staples in Malawi, may take several hours of work every week.

The Malawi government wants to improve the skills, education, community conditions and income level of rural people, says Engberg, "but it is difficult for the women to find the time or the energy to take advantage of the extension services available. Men have tended to concentrate on cash crops — tobacco, tea and cotton. This leaves rural women to bear a heavy burden in food production and household management."

One of the functions of Engberg's research was to provide a basis for an educational program in home economics. Another was to foster government initiatives in agricultural extension and in the development of appropriate household technologies.

While at Chancellor, she taught courses in family economics and management, and housing and environment. A major concern, she says, was that the content of the courses be relevant for the rural population. Malawi is 90 per cent rural and dependent on agriculture.

Engberg's replacement at the college is a Malawian woman who has degrees from Mount Saint Vincent and Michigan State universities. The new instructor will be testing a student manual written by Engberg — *Management of Personal and Family Resources* — and collaborating with her on a textbook in home economics.

Engberg's stay in Malawi was not her first. She was there from 1963 to 1968 with the UN's Food and Agriculture Organization, helping the newly independent country plan community development programs for rural women. Malawi became a republic in 1965.

Back at Guelph, Engberg is again teaching courses on family economics and management. She is also a co-op program adviser for FACS. This winter, she plans to introduce a new course on household production and management with an international perspective. 0

## Music rethinking core curriculum

The Department of Music is rewriting its core curriculum to emphasize the study of music as a liberal art, says Prof. Edward Phillips, the department's recently appointed chairman. It is doing this in response to the aims and objectives document's concern for undergraduate education, he says.

Although Canadian universities seem to have a bias against music as part of the liberal arts curriculum, music can actually flourish in a liberal arts setting, says Phillips. Many people view the BA degree as a lesser one than a performance degree, he says, but those who follow such a program aren't any less "musicians" than performers are, nor any less beneficiaries of a liberal education than those who study biology or philosophy. A liberal arts degree in music differs from a performance degree "in emphasis ... not in standards."

Phillips, who has a BA in music from Amherst College in Massachusetts and a PhD in music theory from Yale University, joined the Music Department last summer. What he hopes to see continue to develop at Guelph is a program good enough to produce graduates capable of advanced study in

musicology or theory at first-rate graduate schools, and general enough to educate those who desire a liberal arts education but do not intend to be scholars.

"Of course, I stress the intellectual aspects of music, and the core of our program will always be the theory and history of performance and composition," he says. "But we hope to educate people in musical thought, and I see performance and composition as the means students employ to improve their musical thinking."

The University of Guelph choir and the University of Guelph Civic Orchestra are important in this respect, he says, as are the applied music lessons students take. He notes that applied music lessons are an "infinitesimally small" portion of his department's budget.

Phillips also hopes to improve library holdings in music. "We are particularly far behind here," he says. Complete editions of composers are costly — a complete edition of Mozart, for example, costs \$6,500 U.S. — but "if good students are to carry out research projects, they will need better resources." 0



John Majorosky, Illustration Services.

The Staff Association recently elected its new executive: sitting, left to right, Lloyd Cummins, Maintenance, first vice-president; Rosemarie McHugh, Library, president; and Martin Hodgson, Engineering, past president. Standing, Wilna Hendry, OVC Teaching Hospital, recording secretary; Sheila Trainer, Zoology, second vice-president; Antonette Pellizzari, Alumni Affairs and Development, treasurer; and Jennifer Reader, Chemistry, grievance officer. The association represents 850 technical, secretarial and clerical staff members.

## Computer graphics aid map makers

by John Hearn

Computer cartography, introduced into the Department of Geography almost three years ago, is having a major impact on teaching and research.

Much of geography consists of organizing social, economic or physical data through a graphic known as a map. But the map-drawing process is time-consuming and often unrewarding to the geographer, says Prof. Julius Mage. "Computer graphics save a lot of time, greatly increase productivity and free us to explore an ever-wider range of possibilities."

Geography cartographers, working with computer programmer Peter McCaskell, use a SAS/GRAPH package as a point of departure and are building a basic data bank.

The cartographers' first task, says Mage, is to create maps using a digital inputting process to trace XY co-ordinates from a master map. Once this is done, the map becomes part of a permanent catalogue available for every conceivable use. "We now have every country in the world on-line and all of North America outlined in detail,

John Hearn, Public Relations and Information



Student Orville Morningstar works on a computer graphic in the Department of Geography's cartography laboratory.

down to the county level," he says.

Statistics covering every kind of information of interest to a geographer can then be entered, stored and updated as they become available. Some examples might be the distribution of senior citizens throughout Ontario; the use of farm machinery; the acreage given over to any particular crop; changes over the years in forestry acreages; erosion incidence; and the ownership of land.

In the area of land use planning, scenarios relating the effects of different land use patterns can be displayed and analysed. More sophisticated questions, such as sedi-

ment distribution along a shore line resulting from wind action at many different velocities and from many different directions, can also be computed and presented in map form.

"It is, of course, possible to convey geographical information in words and tables," says Mage, "but it takes a map to clarify, at a single glance, what is happening throughout a whole territory. Virtually instant map making now makes it possible for us to do more, and to ask more 'what if' questions, than ever before."

Computer cartography is now a recommended course in the department. □

## The wonder of birds . . .

To some people, birds are merely small flying objects that chirp too loudly in the morning and plug up eavestroughs with their nests. But for Prof. Sandy Middleton, Zoology, they're a wonder of nature to be studied and admired.

Middleton brings his enthusiasm and knowledge of birds to Continuing Education's non-degree course "The Wonder of Birds," beginning Jan. 28.

Middleton says many people view birds as if they were mammals, doing them a great disservice. "For example," he says, "there was great surprise when it was discovered that birds taste with the roof of the mouth, rather than with the tongue as is the case with many mammals." But this should be no surprise, he says, because birds have evolved quite differently from mammals.

"Most people assume that, in the evolu-

tionary sequence, fish came first, followed by amphibians, reptiles, birds and then, the crowning achievement, mammals. In fact, birds evolved after mammals."

During his evening course, Middleton will describe some of the research on birds, including studies of their migration and singing. "Migration is a large jigsaw and we have a few fascinating pieces in place," he says. As for their songs, "we are just beginning to decipher their rich meaning and to see that they are a complex means of communication as well as a territorial advertisement."

People interested in developing a bird-watching hobby that could easily last a lifetime are invited to "flock together" for Middleton's illustrated lectures and discussions. To register, contact Continuing Education, Room 160, Johnston Hall, Ext. 3956.0

## Wine appreciation course

Microbiology Professor Ron Subden will present the course "Wine Appreciation I" on campus this winter. Intended primarily for people in the wine trade, restaurant service and the LCBO, the course is also open to those who simply wish to become more knowledgeable about wines. A letter of certification is available for participants who pass a quiz and judging test during the final class.

Lectures focus on the evaluation of wines available to Ontario residents and include "tastings" as well as visits to vineyards, wine labs and wineries. Participants will learn about wine production, develop a wine vocabulary and gain knowledge of wine districts and types.

"Wine Appreciation I" begins Jan. 30 at 7 p.m., and runs for 11 weeks. Cost is \$200. To register, contact Continuing Education, Room 160, Johnston Hall, Ext. 3957.0

## Certificate courses

Guelph is offering evening courses in three certificate programs this winter, with all courses beginning this month.

The Certificate Program in Personnel and Industrial Relations is for those involved or interested in personnel management or industrial/labor relations. Four courses are required for the certificate, and three are being offered this term. "Introduction to Personnel and Industrial Relations," "Labor-Management Relations" and "Organization and Management" all begin the week of Jan. 20,

and run for 10 weeks.

Training specialists, people involved in employee relations and those responsible for employee planning and recruitment will benefit from the Certificate Program in Human Resources Management. One of the four courses needed for the certificate, "Training and Development," begins Jan. 22 and runs for 10 weeks.

The Certificate Program in French as a Second Language is useful personally as well as

professionally. Emphasis is on oral skills, and no previous knowledge of French is required. A pre-course interview and placement test will help assess the level at which students should begin the program. To qualify for the certificate, students must pass the "French IV" examination. This semester, Levels I, II, and IV are being offered.

For more information on the certificate programs, contact Continuing Education, Room 160, Johnston Hall, Ext. 3957.0

## What's life like in "Mighthavebeenville?"

What could you say about life in "Mighthavebeenville"? It's one of four typologies of the small town in Canada that participants in a "Workshop with the Rural Community Today" will consider Jan. 18 and 19.

Sponsored by the Ontario Rural Learning Association, the School of Rural Planning and Development, the Department of Rural Extension Studies and the University School of Part-time Studies and Continuing Education, the Jan. 18 workshop is in St. George's Church, the Jan. 19 workshop in Room 421, MacKinnon building. Both begin at 10 a.m.

Workshop registration, at \$10, includes the cost of a ticket to *Agnes MacPhail*, a one-woman show with Diane Gordon Jan. 18 at 8 p.m. in St. George's Parish Hall. General admission is \$5. MacPhail was Canada's first female MP and a lifelong supporter of social reform. Workshop leader Alex Sim has arranged for friends of MacPhail to reminisce about the woman and her interests after the performance. Members of the public are invited to both events.

Sim, the recipient of a McGeachy Fellowship to examine the changing patterns of life in rural Canada, notes that Canada's rural population has increased to one-third of Canada's total population, while the percentage of population directly involved in farming has decreased to four per cent. This change has brought with it many radical shifts. The intention of workshop organizers Elizabeth Cockburn, Department of English Language and Literature, and Sim is to focus the participants' energies on exploration of the effects of these changes.

In the morning session Jan. 18, participants are to examine the characteristics of Canadian rural communities, using Sim's typologies. In the afternoon, Sim is to present the results of his research to date, and groups will present the morning's findings for further discussion. On Jan. 19, the workshop concludes with a look at the future implications of issues raised.

"We are looking for feedback," says Cockburn, who notes that the stress is on the word "with" in the workshop's title. The workshop organizers' concern for community knowledge reflects the Ontario Rural Learn-



Diane Gordon

ing Association's objectives. The association, more than 20 years old, has grown up out of the tradition of the Farm Radio Forum and the Ontario Folk School Council.

For more information on the workshop, contact Cockburn at Ext. 3268 or Sim at 824-5547. 0

## Forrester to appear Feb. 13

Renowned Canadian contralto Maureen Forrester, who has appeared with virtually every major orchestra in the world, performs at War Memorial Hall Feb. 13 at 8 p.m.

Forrester has toured in the Far East, the Middle East and Europe, and she performs annually with such orchestras as the New York Philharmonic, the Cleveland Orchestra and the Boston Symphony. She also gives numerous recitals in Canada and the United States.

Forrester specialized in oratorio, lieder and orchestral works well into the 1970s and is considered one of the greatest interpreters of Gustav Mahler. Now, along with her orchestral and recital appearances, she devotes much of her time to the operatic stage. She is a recipient of the Companion of the Order of Canada and 15 honorary doctorates.

Tickets for the concert are \$11.50 to \$14.50 for students and seniors, and \$12.50 to \$15.50 general admission. They are available at the University Centre box office.0

## Job opportunities

As of *at Guelph* deadline Jan. 10, the following opportunities were available.

Carpenter, Maintenance Department; original vacancy. Job rate: \$12.55 per hour; probation rate \$.20 per hour lower than job rate.  
**Programmer/Analyst**, OVC Computer Group. Salary range: \$23,408 minimum; \$29,260 mid-point; \$35,112 maximum; normal hiring range: \$23,408 to 527,504.

The following positions were available to *on-campus employees only*:

Building Custodian 2, Housekeeping Department, Area 1; night shift; consequential vacancy. Job rate: \$9.27 per hour; probation rate \$.20 per hour lower than job rate.

Building Custodian 4, Housekeeping Department, Area 4; night shift, original vacancy. Job rate: \$10.20 per hour; probation rate \$.20 per hour lower than job rate.

Building Custodian 3, Housekeeping Department; night shift; consequential vacancy. Job rate: \$9.75 per hour; probation rate \$.20 per hour lower than job rate.

Secretary, Chemistry and Biochemistry. Salary range: \$270.64 minimum; \$308.87 job rate level 5; \$380.47 maximum.

Secretary, Veterinary Microbiology and Immunology. (Reposted from Oct. 25, 1985.) Salary range: \$270.64 minimum; \$308.87 job rate level 5; \$380.47 maximum.

Clerk II, Veterinary Teaching Hospital. Salary range: \$278.81 minimum; \$322.22 job rate level 5; \$401.34 maximum.

Mail Messenger, Mail Services. Salary range: \$236.66 minimum; \$274.53 job rate level 5; \$340.23 maximum.

Production Design Co-ordinator, Office for Educational Practice; temporary full time for one year. Salary range: \$368.51 to \$400.02.

Library Assistant I (Track 2), Data Input Acquisitions. Salary range: \$236.66 minimum; \$274.53 job rate level 5; \$340.23 maximum.

It is the University's policy to give prior consideration to on-campus applicants. To determine the availability of employment, contact employment services and training, Level 5, UC, or telephone 836-4900.

### Gordon C. Ashton

Professor emeritus Gordon C. Ashton died in Guelph Jan. 8 after a lengthy illness. Ashton joined the University in 1956 as a professor of statistics in OAC and retired from the Department of Mathematics and Statistics in 1973. He is survived by his wife, Emily. A memorial service will be held for Ashton Jan. 18 at 10:30 a.m. at Harcourt Memorial United Church, Dean Avenue. 0

Herb Kauscher, Illustration Services



Fifteen-year service pLs were presented recently to Library employees, left to right, Linda Lue-Kim, Ise Edwards and Vera Cunliffe, all in the technical processing division. The pins were presented by Chief Librarian John Black.

## Our people

Prof. Terry **Beveridge**, Microbiology, is the subject of an article in *Science Dimension*, Vol. 17, No. 5, 1985. The article profiles the 1984 Steacie Prize winner and the work that earned him that award.

**FORUM AFRICA**, a cross-country series of meetings on African recovery, comes to Guelph Jan. 16 and 18. Initiated by David MacDonald, Canadian emergency co-ordinator for African famine, the meetings are designed to examine local and government actions in response to the African drought, and to look at future actions that need to be taken. On Jan. 16, people are invited to participate in discussions and to view a TVOntario program on Africa in the basement of War Memorial Hall, beginning at 7:15 p.m. Discussion resumes in the same location Jan. 18 at 9:30 a.m., followed by participation in a province-wide teleconference at 11:30 a.m. Anyone with Third World experience is especially invited to contribute to the sessions. The local planning committee for Forum Africa includes members of private organizations and the president of the African Student Association, Albert Tonga of Ghana.

**THE JAN. 21 MEETING** of Senate has been cancelled. The next scheduled meeting is Feb. 18. Other meetings scheduled in this academic year are March 18, April 15, May 20 and June 17.

**CANADIAN CROSSROADS** International is presenting a series of three films to raise money to send six volunteers from Guelph to work in developing countries. Scheduled films are: "The Killing Field," Jan. 22; "Beverly Hills Cop," Jan. 29; and "Never Cry Wolf," Feb. 5. All films will be shown in Room 149, Macdonald Hall, at 7 and 9 p.m. Admission is \$2.50.

**THE GUELPH YM-YWCA**, 400 Speedvale Ave. E., is holding a used book sale Feb. 1 from 1 to 4 p.m. For more information, telephone 824-5150.

**STUDENTS ARE INVITED** to participate in the Canadian National Model United Nations, July 7 to 12 in Montreal. Registration is \$25. More information is available at the Development Education Program, 15 University Ave. E.

**THE ONTARIO** Confederation of University Faculty Associations invites nominations for its 1985 teaching awards. Letters of nomination with supporting documentation should be submitted by March 31 to the OCUFA Committee on Teaching Awards, 40 Sussex Ave., Toronto M5S 1J7. For more information, telephone 416-979-2117.

**THE HEALTH** Promotion Task Group of the Counselling and Student Resource Centre will present a workshop, "Helping the Suicidal Student," Jan. 17 from 6 to 10 p.m. in Room 103, University Centre. Dr. Alvin Evans, associate professor, St. Paul's United College, University of Waterloo, will discuss the realities and myths of dealing with the suicidal student. Register at the Connection Desk, Level 3, University Centre, at 836-4444, or at the door. Cost is \$3.

**THE GUELPH** and District Multicultural Centre Inc. offers classes designed to help people prepare for citizenship interviews. The citizenship development classes are Jan. 28, Feb. 4, 11 and 18 at 7:30 p.m. at the centre, 128 Woolwich St., Suite 203. Classes are free and everyone is welcome. For information or registration, telephone 836-2222.

AN ARTICLE on OVC's externship program appears in the January 1986 edition of *University Affairs*. The article, "Student Vets Learn on the Job," describes the program that gives third-year students practical experience by placing them in a private veterinary practice for a summer.

**THE DEVELOPMENT** Education Program has information on the 1986 internship programs for graduate students at the United Nations Organization. The material can be seen at 15 University Ave. E.

**CLASSES IN ENGLISH** as a Second Language run Mondays and Thursdays from 9:30 to 11:30 a.m. and from 1:30 to 3:30 p.m. at 154 Dublin St. The classes are designed to improve both conversational and writing skills, and to prepare people for university entrance tests of English fluency. Sponsored by the Ontario Ministry of Citizenship and Culture, and the Wellington County Board of Education, the program costs \$8 per semester. A preschool program for children is available while parents study, at a cost of \$3 per semester. For more information, telephone 824-4018.

**THE PHYSICS DEPARTMENT** presents a lecture, "Kinks or Lumps, Solitons and Jumps" Jan. 21 at 4 p.m. in Room 113, Physical Sciences building. Dr. Pasquale Sodano, Massachusetts Institute of Technology, will discuss solitons, their mathematical properties and the contexts in which they play an important role.

AWARD-WINNING poet and critic, Eli Mandel, will read from his work Jan. 22 at 3 p.m. in Room 238, MacKinnon building.

**THE GERONTOLOGY** Research Centre is offering a series of four seminars this semester. All seminars are at 12:10 p.m. in Room 333, University Centre. On Jan. 16, Prof. Victor Ujimoto, Sociology/Anthropology, will discuss some methodological issues in "Information Technology and Aging Research." On Feb. 6, Prof. Michael Pratt, Psychology, focuses on "Moral Development in Mature and Elderly Adults: Regression or Reflection?" Prof. Barbara Hanson, Sociology, will examine "The Social Construction of Dementia/Alzheimer's Disease" March 4 and Prof. Dan Yarmey, Psychology, will discuss "The Older Adult and the Law" March 19. Everyone is welcome to attend and to participate in discussion following the formal presentations.

**THE FIRST CONCERT** in the Department of Music's faculty recital series features organist Patricia Phillips Jan. 19 at 8 p.m. at St. George's Anglican Church. CBC Radio will record the performance for broadcast on the program "Organists in Recital." Phillips has a doctor of musical arts from Yale University and has performed in recitals in Europe, Canada and the United States. The program will include works by Bach, Mendelssohn, Gerald Bales, William Albright, William France and Marcel Dupre. Admission is \$5 general, \$4 for students and seniors. Tickets are available at the University Centre box office or at the door.

**THE INTERNATIONAL** Rice Research Institute, located on the campus of the University of the Philippines at Los Banos, seeks applicants for the position of agricultural engineer/associate agriculture engineer, water management department. Applications, including resume and names of three referees, should be submitted by March 1986 to the Director General, International Rice Research Institute, P.O. Box 933, Manila, Philippines.

**THE UNIVERSITY CENTRE** will present noon-hour concerts in the courtyard during January. The free performances are part of the Brass Taps Noon Series. The Romaniac Brothers, who specialize in ethno-fusion, a blend of Ukrainian folk tunes, jazz, soul and pop music, appear Jan. 22. Bowser and Blue, a musical comedy duo from Montreal, appear Jan. 29.

**THE CENTRE** for International Programs and OPIRG are sponsoring workshops this month on writing and radio production. "Making Your Point in Print," Jan. 21 and 30 from 3 to 4:30 p.m., will give participants a chance to learn how to write a newspaper or magazine article. In the workshop "Radio Production," Jan. 20 and 27 from 7 to 10 p.m., participants will make a short radio production on a development issue. The workshops cost \$5 and are open to everyone. To register, call Susan at Ext. 3778.

**ALL OAC STAFF** and faculty, as well as retirees, are invited to attend the annual college dinner-dance Feb. 7 at the Cutten Club. There will be a cash bar at 7 p.m., followed by dinner at 7:45 p.m. Retiring faculty will be recognized at the dinner. Tickets, at \$20 per person, are available from departmental representatives.

**GUELPH INTERNATIONAL** Development Consultants invites applications from interested faculty, researchers and consultants for positions overseas in various fields, including agriculture, veterinary medicine, environmental sciences, sociology, rural development, and information and computing science. The positions are primarily in developing countries. For more information, contact Bill Harcourt, Ext. 2218.

# Next Week at Guelph

## THURSDAY, Jan. 16, 1986

Gerontology Seminar — INFORMATION TECHNOLOGY AND AGING RESEARCH: Some Methodological Issues, Victor Ujimoto, 12:10 p.m., UC 333.

Worship — THE CATHOLIC APPROACH, 4:10 p.m., UC 335; SEEING THE BIBLE WHOLE, 5 p.m., UC 332; SHARED PRAYER, 5:10 p.m., Chapel, UC Level 5; COMMUNITY DROP-IN, 6 p.m., UC 335.

Hearings — SOUTH AFRICA, president's advisory committee on social responsibility, 7 p.m., UC 442.

Discussion — FORUM AFRICA, 7:15 p.m., WMH.

## FRIDAY, Jan. 17, 1986

Worship — CATHOLIC MASS, 8:10 a.m., Chapel, UC Level 5; FACULTY CHRISTIAN FELLOWSHIP, noon, JH 151; MUSLIM CONGREGATIONAL PRAYERS, 12:30 p.m., UC 533; CHINESE CHRISTIAN FELLOWSHIP, 7 p.m., MacK 117A.

Workshop — HELPING THE SUICIDAL STUDENT, Dr. Alvin Evans, 6 to 10 p.m., UC 103, register at the Connection Desk, UC Level 3, at 836-4444, or at the door, \$3.

CSRC — THE LEADERSHIP EXCHANGE, 7 p.m., register at the Connection Desk.

Latin American Solidarity Group — UPDATE OF EL SALVADOR AND THE POSITION OF THE CHURCH, Gilberth Sanchez, 7:30 p.m., UC 441.

Concert — ANN MORTIFEE, 8 p.m., WMH.

## SATURDAY, Jan. 18, 1986

Arboretum — WINTER BIRD SURVEY, 8 a.m., Nature Centre.

Conference THE ECONOMICS OF REGENERATIVE AGRICULTURE, 9 a.m. to 5 p.m., Macdonald Hall 149, registration 8 a.m., \$10.

Guelph Field Naturalists — CROSS-COUNTRY SKIING, 9 a.m., for ride, call Erica Morant, 822-9201.

Discussion — FORUM AFRICA, 9:30 a.m., WMH.

Workshop — WITH THE RURAL COMMUNITY TODAY, Alex Sim, 10 a.m., St. George's Parish Hall, continues Jan. 19, 10 a.m. MacK 421, registration \$10.

## SUNDAY, Jan. 19, 1986

Worship — CATHOLIC MASS, 10:10 a.m., PCH; UNIVERSITY BIBLE STUDIES, 10:15 a.m., PS 113; ECUMENICAL CAMPUS MINISTRY (Anglican, United, Presbyterian), 10 a.m., UC 103.

Lecture — WORKS OF CRAFT, Stephen Inglis, 2 p.m., Macdonald Stewart Art Centre.

Sunday Afternoon Walk — WINTER FIELDS, 2 p.m., Nature Centre.

Faculty Recital — PATRICIA PHILLIPS, organ, 8 p.m., St. George's Anglican Church, \$4 and \$5.

International Cinema — DERZU UZALA (Japan/U.S.S.R.), 8 p.m., PS 105, \$2.

## MONDAY, Jan. 20, 1986

Worship — CATHOLIC MASS, 5:10 p.m., Chapel, UC Level 5.

## TUESDAY, Jan. 21, 1986

Our World — THE INFORMATION AGE HITS THE SUBSISTENCE FARMER, 12:10 p.m., UC 442.

Worship — CATHOLIC MASS, 12:10 p.m., Chapel, UC Level 5; SCRIPTURE ALIVE, 4:10 p.m., UC 335; YOU REALLY BELIEVE THAT? 5 p.m., UC 332.

Lecture — KINKS OR LUMPS, SOLITONS AND JUMPS, Pasquale Sodano, 4 p.m., PS 113.

CSRC — WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359; STRESS SERIES: TAMING THE TIGER, 6 p.m., register at the Connection Desk by 4 p.m.

## WEDNESDAY, Jan. 22, 1986

Worship — ANGLICAN HOLY COMMUNION, noon, Chapel, UC Level 5.

Concert — THE ROMANIAN BROTHERS, noon, UC courtyard.

Poetry Reading — ELI MANDEL, 3 p.m., MacK 238.

CSRC — WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359; MATHEMATICS PROFICIENCY COURSE, 6 to 9 p.m., register at Department of Mathematics, PS Level 5.

Film — THE KILLING FIELDS, 7 and 9 p.m., Mac Hall 149, \$2.50.

## THURSDAY, Jan. 23, 1986

Pathology Seminar — SAMOYED HEREDITARY GLOMERULOPATHY, A MODEL FOR ALPORT'S SYNDROME, 11:10 a.m., Path 220.

Concert — ILTON WJUNISKI, harpsichord, 12:10 and 1:10 p.m., MacK 107.

Worship — THE CATHOLIC APPROACH, 4:10 p.m., UC 335; SEEING THE BIBLE WHOLE, 5 p.m., UC 332. SHARED PRAYER, 5:10 p.m., Chapel; COMMUNITY DROP-IN, 6 p.m., UC 335. n.

Hearings — SOUTH AFRICA, 9 a.m., UC 103.

The following abbreviations are used in "Next Week at Guelph": APS = Animal and Poultry Science; UC = University Centre; L/A = Lennox/Addington; CM = Chemistry-Microbiology; PS = Physical Sciences; PCH = Peter Clark Hall; WMH = War Memorial Hall; MacK = MacKinnon building; ANNE = Animal Science Nutrition; ES = Food Science; CSRC = Counselling and Student Resource Centre; JII = Johnston Hall; HB = Human Biology; AC = Athletics Centre; Lib = McLaughlin Library; BG&Z = Botany-Genetics-Zoology.

## Personals

For Sale: Console stereo; queen-sized bed with mattress and box spring;  $\frac{3}{4}$  maple bed frame; two china cabinets; metal typewriter stand; maple captain's chair; metal TV stand, 824-9389, evenings. House, Metcalfe and Grange area, fireplace, deck, carport, 822-8204. Men's skates, size 9; men's ski suit, new padded hockey pants; ladies' skates, size 7; carpet sweeper, 822-3129. 1970 Chev, four-door, 83,000 miles, 836-1418. Rossignol ARS skis, poles and bindings; two-speed blender; Juicit, 823-1895.

Wanted: Ride from Hamilton to University daily, willing to share expenses, Aldo, Ext. 3108 or 416-383-9831. Female non-smoker to share fully furnished one-bedroom apartment close to campus with parking, 823-1895, evenings. Person to share fully furnished townhouse with two males, no parking available, 822-5994, evenings. Royalex canoe, 16 feet, John, Ext. 3416. Furnished house/apartment, close to campus for visiting professor, wife and two children, September 1986 to August 1987, contact Dr. Hurnik, Ext. 3340.

Available: Japanese language class for beginners, Beginner's Course II, Kohzoh Stonefield, Ext. 4833 or 821-7265, after 6 p.m.



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