



## Convocation honors to academics and scientists

Guelph will recognize four academics and scientists with honorary degrees during spring convocation June 3 to 6. Seven former faculty members will also be honored — one as an Honorary Fellow of the University and the others as professors emeritus.

Dr. Chris Bigland of Victoria, B.C., and Dr. Philip Leder, Harvard University, will receive honorary doctor of science degrees. Dr. Bernard Fonlon, University of Yaounde, Cameroon, will receive an honorary doctor of literature degree. And Dr. Ernest Mann of Reading, England, will receive an honorary doctor of laws degree.

Dr. Murdo MacKinnon, former dean of Wellington College and the College of Arts, will be made an Honorary Fellow of the University. The following recently retired faculty members will each be made a professor emeritus: Dr. James Archibald, Dr. Cliff Barker and Dr. Frank Milne, Clinical Studies; Dr. Rex Barrell, Languages and Literatures; Dr. Ernie Reinbergs, Crop Science; and Dr. Reg Shuel, Environmental Biology.

### Chris Bigland

Bigland recently retired as director of the Veterinary Infectious Disease Organization in Saskatoon, a research and service laboratory that he founded in 1975. He was Guelph's MacMillan Laureate in Agriculture in 1985, an award that recognizes outstanding contributions to Canadian agriculture in the preceding five years. Bigland's professional career has included service with Agriculture Canada, the Alberta Department of Agriculture and the universities of California at Davis, Liverpool and Saskatchewan. He received his early education in Alberta, and holds degrees from the University of Alberta and the Ontario Veterinary College.

### Bernard Fonlon

Fonlon, emeritus professor of African literature at the University of Yaounde, has played a major role in a Canadian International Development Agency project aimed at preserving traditional oral literature in parts of West Africa.

He has served his country as a government minister and a civil servant. As minister of



Left to right: Top, Chris Bigland, Bernard Fonlon. Bottom, Philip Leder, Murdo MacKinnon.

health, he initiated irrigation works; as minister of transport, post and telecommunications, he established Cameroon Airlines and a telecommunications system unrivalled in Africa.

Fonlon, who holds a doctoral degree from the National University of Ireland, studied at the University of Kansas under a Fullbright Fellowship.

### Philip Leder

Leder, John Emory Andrus Professor of Genetics and chairman of the department of genetics at Harvard Medical School, is noted for his work as a molecular biologist and geneticist. His current research relates to tumor genesis.

Leder is an elected member of the National Academy of Sciences, the American Academy of Arts and Sciences and the Institute of Medicine.

### Ernest Mann

Mann is director of the Commonwealth Bureau of Dairy Science and Technology, a position he has held since 1957. He pioneered the information service *Dairy Science Abstracts*, and helped set up an international consortium that brought together Commonwealth Agricultural Bureaus and similar organizations in West Germany, the United States and the Netherlands to provide the *International Food Information Service*.

As a scientific editor, Mann has gained international recognition. He is president of the

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Inside this issue: Computing Services offers CMS and APL hands-on workshops. See page 5. Supplement requested and paid for by Computing Services. ○

# Two named to Royal Society

Two Guelph professors are among 47 Canadian scientists and humanists who have been elected fellows of the Royal Society of Canada. Prof. Colin Fyfe, Chemistry and Biochemistry, and Prof. Michael Ruse, Philosophy and History, will be inducted into the society at its annual meeting in Winnipeg June 1.

Last year, both men became Guelph's first faculty members to receive Killam Research Fellowships from the Canada Council.

Fyfe, a member of the Chemistry Department since 1969, is a pioneer in the use of nuclear magnetic resonance spectroscopy to investigate and characterize solids. He received the Killam fellowship to continue his work in this area. He is co-author of the research text *Solid State NMR for Chemists*.

Holder of a B.Sc. and PhD from St. Andrews University, Scotland, Fyfe has served several terms as visiting foreign scientist at IBM Research Laboratories in California and has been a distinguished visiting scientist at Cambridge University. He is the recipient of the Merck, Sharp and Dohme Lecture Award of the Chemical Institute of Canada, a Sigma XI Award and the Barringer Award of the Canadian Spectroscopy Society.

Prof. Ed Janzen, chairman of the Department of Chemistry and Biochemistry, describes Fyfe as an enthusiastic, energetic and innovative researcher, whose pioneering work in NMR investigations has become known worldwide. Fyfe is also "an excellent teacher and lecturer," says Janzen, "and he is continuously invited to present seminars in universities and in government and industrial laboratories. The fellowship is well-deserved and long overdue."

Ruse, who has taught at Guelph since 1965, is the first non-science faculty member to receive an FRSC at the University. Known for his work in the philosophy of science, he

received his Killam fellowship to study the relevance of Darwinian evolutionary theory for philosophy. In 1981, he appeared as an expert witness against creationism for the Civil Liberties Union in Arkansas.

The author of seven books, Ruse has a BA from Bristol University, an MA from McMaster University and a PhD from Bristol. He has been a visiting professor at Indiana University and a visiting scholar at Harvard University.

Prof. Carole Stewart, head of the Department of Philosophy, says Ruse is "one of the most productive and scholarly active members of

our department. He has enhanced the reputation of the department, and the University, nationally and internationally."

Ruse is currently doing research at Cambridge University in England.

The election of Fyfe and Ruse brings to nine the number of FRSCs at Guelph. The others are Profs. Howard Clark, vice-president, academic; Bernhard Nickel, Peter Egelstaff and Gabriel Karl, Physics; Bruce Sells, dean of the College of Biological Science; Derek Bewley, chairman of the Department of Botany; and Herbert Armstrong, special assistant to the president. ○



Colin Fyfe

Photo by Barbara Chance



Michael Ruse

Photo by Barbara Chance

## Nominations sought for non-teaching staff seat on BofG

Nominations are sought for the first-ever position on Board of Governors for a full-time non-teaching staff member. The three-year term begins July 1.

Nomination forms and electoral procedures may be obtained from the University Secretariat, Ext. 2114. All nominations must be signed by 10 eligible nominators, and submitted to the Secretariat by May 21.

A general election will be conducted by mail ballot in early June. At Guelph will publish the list of candidates in two issues prior to the deadline for the return of ballots. Ballots will be distributed May 23 for return to the chief electoral officer, Barbara Abercrombie, University secretary, by June 6. ○

## Convocation *Continued from page 1.*

European Association of Editors of Biological Periodicals and the International Association of Agricultural Librarians and Documentalists. Mann is also a fellow of the Royal Society of Medicine.

## Murdo MacKinnon

MacKinnon came to Guelph in 1964 as the first dean of Wellington College. He recruited key faculty members, established academic programs and coped with the growing pains of the new college. In 1970, Wellington College split into three new colleges: Physical Science, Social Science and Arts. MacKinnon remained as dean of arts.

MacKinnon has also contributed to the cultural life of the Guelph community. His love of music led to the creation of the Edward Johnson Music Foundation, from which sprang the Guelph Spring Festival. He was president of the foundation for 16 years. At the same time, he managed and raised funds for the international tours of the University of Guelph Choir.

Educated at the University of Toronto, MacKinnon taught at the University of Western Ontario, where he was chairman of the department of English and assistant dean of University College, before coming to Guelph. ○

*he didn't found it - was 2nd president*

# Research dean building supportive office



Photo by Barbara Chance

Larry Milligan

by Ann Middleton

Dean of Research Larry Milligan, in office since last October, says there's a tendency to dwell only on the negative aspects of research funding. "We have to have an atmosphere of positive excitement in research in order to be a good university," he says. "And we have lots of exciting things happening here."

Milligan came to Guelph just as the University's aims document, *Towards 2000: Challenges and Responses. Aims of the University of Guelph*, was published. That document sets the Office of Research the tasks of preparing a plan to further develop research in areas of special responsibility or distinction. It also calls on the dean and the Research Board to actively encourage cross-departmental, cross-institutional and university-industry research links.

Like many people on campus, Milligan is uncertain about the precise definition of the phrase, "areas of special responsibility or distinction." He suggests these may best be defined as those areas where Guelph has a historical presence, particularly appropriate sets of talents or a research advantage because of established strengths.

When *Towards 2000* directs the Office of Research to foster industry-university links, it is on more familiar ground. Industrial and Innovation Services is now in its third year of operation and undergoing a review. The office works as a broker between faculty and industry in an attempt to wed the interests of the two groups.

## Aware of opportunities

Milligan says an important part of his task is keeping in touch with external research opportunities right across the country and bringing them to the attention of faculty. "Industry is not the only place opportunities come from," he says. The office needs to keep in touch with government granting agencies, research funding foundations, public organizations and individuals interested in backing research.

"I believe very strongly that as we try to develop research thrusts, we must do so in a way that ensures that at all times we have the commitment of researchers on campus," says Milligan. "Historically, however, research has been viewed as an individual, self-motivated endeavor that is not . . . subject to or shaped by external influences," he says. In the future, it will be important to make researchers aware of opportunities available, and at the same time respect the "sanctity of the individual's commitment to his or her own research."

## Funding system a problem

Like other Ontario researchers, Milligan is not cheered by the situation in this province. "I don't see the task of accessing research support becoming easier," he says. "I think it's going to become more and more competitive."

Milligan doesn't believe it's useful to try to differentiate between areas of applied and

basic research. "We need the whole range," he says. "I'm concerned that we first have very high-quality research and a balance between shorter- and longer-term pay-off possibilities." The current funding system, however, makes it difficult for researchers to make long-term commitments. "That kind of research needs to be done somewhere in a university, but it tends to disappear with underfunding."

There are few basic built-in research opportunities now, he says. "Ontario's been a bad actor on the scene — the level of support of universities has really cut into the research infrastructure." In real terms, operating budgets of Ontario universities have dropped 14 per cent since 1970, and this reduction in funding has led to a real decrease in research capability as well as the more obvious deterioration of the physical facilities of institutions. "NSERC (Natural Sciences and Engineering Research Council) grants just give the opportunity to top off your inherent research capability," Milligan says. Ontario universities, Guelph included, are now using external grants for physical upkeep of research facilities, modification of laboratories, repair costs of equipment and all the little costs that add up to substantial amounts — such things as long-distance telephone calls, typing and photocopying.

The problem, of course, extends far beyond Ontario. In a talk to the Canadian Club of Vancouver in January, Gordon MacNabb, then president of NSERC, said Canada ranks eighth in terms of research and development funding among the nine nations of the Organization for Economic Co-operation and Development. On a per capita basis, this country has less than half the number of researchers of the United States and Germany. And although 2.5 per cent of gross national product was set as a target for research and development during the euphoria of the election campaign, in actual fact Canada has stalled at 1.3 per cent and is now slipping back, MacNabb said.

The news isn't all bad, however. Milligan says that although the level of funding in Ontario makes it difficult to keep and attract good researchers, good new people are coming to Guelph, and to some extent, good research attracts more good researchers. Milligan, himself, is a case in point. The initiator of the Metabolic Research Unit and the Ruminant Feed Evaluation Unit at the University of Alberta, he has won several prizes for his work, including the Canadian Society for Nutritional Sciences' Borden Award in 1985. He continues an active research program here, and is sympathetic to the problems faced by faculty trying to carry on programs with limited funding. He hopes Guelph researchers will see his office as helpful and supportive and not just another agent of bureaucratic control. ○

## Corrections

The deadline for applying for a 1986/87 undergraduate tuition scholarship for dependent children of faculty and librarians is Aug. 1, not Aug. 15, as reported in the May 1 edition of *at Guelph*. Also in the May 1 issue, the headline on the story "LA Students Place in Arboretum Design Competition" contains an error. The Arboretum planning team consists of graduates, not students. ○

## Library acquires Galt family papers

The Library has purchased a collection of Galt family papers, including Guelph founder John Galt's unfinished — and unpublished — biography of Sir Walter Scott.

The collection, which was sold to the University by retired history professor Hamilton Baird Timothy of White Rock, B.C., also includes letters and diaries by Galt's son Alexander Tilloch, a major political figure at the time of Confederation, and, like his father, a colonizer.

The collection strengthens Guelph's position as a leading centre for Galt-related studies, says Bernard Katz, head of the Library's humanities and social sciences division. And it will provide material for a number of graduate and undergraduate research projects. Katz says the acquisition "fits . . . beautifully" into the University's special collections in regional and local history and Scottish studies.

Tim Sauer, head of acquisitions and collections, who is compiling a definitive John Galt bibliography, says the collection contains a number of items reflecting Galt's personality, such as a presentation copy of one of his books to his father, specially bound and inscribed. Little of this kind of material is known to exist, he says.

Prof. Elizabeth Waterston, English Language and Literature, says the John Galt papers contain material "that will help sort out his literary output." This includes the corrected printer's proofs of publications, letters to publishers and project proposals, including a book on the theatre.



Library staff examine the Timothy collection. Seated, Tim Sauer, collections librarian. Right, Nancy Sadek, librarian in charge of archival collections and Gloria Troyer, library associate.

Photo by John Majorossy

Much of the collection is made up of good Xerox copies of the Galt material held in the Public Archives in Ottawa, says Waterston. It also contains the primary and resource material, including research notes, that Jennie Aberdein, an early biographer of Galt, used in preparing her study.

The Alexander Tilloch papers, which form the bulk of the collection's material, provide insight into Confederation politics, Waterston says.

Information about the Timothy papers can be obtained from Nancy Sadek, archival and special collections librarian, Ext. 3413. ○

## Campus Canada

"God Save the Queen" won't be part of Trent University's convocation anymore. Senate voted 14-13 to discontinue playing it on the grounds that it's not the national anthem and only four other Ontario universities still play it at their ceremonies.

The University of Alberta is studying a proposal to create a centre for machine intelligence and robotics.

The University of Waterloo is offering a co-operative exchange program for students who are fluent in French. An agreement has been signed by Waterloo and the University of Nantes in France for an exchange of up to five students a year in a program that begins in September.

A new research journal focusing on outdoor recreation research is just off the presses at Lakehead University. *Outdoor Recreation Research Journal*, edited by Prof. Rick Rollins, will cover leadership theory, interpretation (communication of nature and human history), parks and facility management, tourism and special populations.

Humor can help memory, according to a new book, *Humor is No Laughing Matter*, just published by University of Manitoba psychology professor F.L. Marcuse.

University Hospital, at the University of Western Ontario, has donated "mini" operating room greens, coats and shoes, and nurses' stethoscopes to the London Regional Children's Museum. The scaled-down versions are for dress-up by children who visit the museum.

Carleton University is hosting the National Capital Marathon May 11. ○

## Town heritage conservation a real project for USRP&D students

Students in the University School of Rural Planning and Development who acted as heritage conservation consultants to the Town of Ingersoll have presented the results of their study to the town's council. Ingersoll Mayor Doug Harris says the student researchers did a "fine job" on the study.

The students, who estimate that in "the real world" their study might have cost the town about \$30,000, developed an inventory of Ingersoll's heritage resources and provided a conceptual framework for implementation of conservation programs.

The researchers considered their project a preliminary feasibility study for the town, in response to the desire of council members "to know the paths they might take," says Mike Cook, a member of the research team. The students say their final report could be used as a resource document for any planning the town may do.

The study included an analysis of heritage projects in other communities and an inventory

of Ingersoll's cultural resources and sources of external and internal funding. As far as the students are aware, theirs is the first study in Ontario that has put all that information in one place, says Cook.

One of the study's findings was that many Ingersoll residents consider their town hall to be a point of heritage significance that should be preserved. The hall, however, was recently declared structurally unsound. Some Ingersoll residents have used the results of the survey to support the case for renovating the building, says Harris.

Members of the research team, all students in the school's master's program in rural planning and development, were Cook, Colleen Drew, Gary Boyle, Daniel Brown, James Felice, Laurie McNab, Patricia Rosch, Aldo Salis, Peter Smith and James Van Osch. Copies of their final report, *Options for Heritage Conservation in the Town of Ingersoll*, are available from the school for a nominal fee. ○

# NETNORTH spreads its wings

NETNORTH, a computer network initiated in 1983 as a link among Ontario universities, has spread its wings — it now crosses Canada from coast to coast.

The system is also linked with Cornell University, providing access to the American university network BITNET, which recently expanded to include Japan. Cornell also gives NETNORTH access to EARN, the European academic research network. In all, NETNORTH opens an electronic door to some 4,000 institutions, says Kent Percival, communications specialist, Communications Services.

Many Guelph faculty have begun using NETNORTH for joint research projects with colleagues at other institutions, to share information, and to collaborate on works.

Prof. Stuart Hunter, English Language and Literature, is collaborating with a colleague at Virginia Polytechnic Institute and State University. His favorite story about his use of NET-

NORTH involves transmitting information to this colleague. After spending a day at the University of Toronto Robarts Library, feeding research material into a lap-top computer, Hunter stopped at a telephone booth on the way home, connected to the Guelph mainframe and transmitted his research to Virginia via NETNORTH. "When I arrived home in Fergus, I signed on and there waiting for me were my colleague's comments on my day's work."

Carl Gorman, director of Communications Services, says he'd like to see NETNORTH used more as a research aid and communications tool at Guelph. He admits, however, that more staff might be required to help users or to prepare documentation, and the funding is not available for support right now. Percival says people who use electronic mail should have no problems using NETNORTH because CMS "mail" and "send file" commands are used and on-line help is available.

Guelph plays a unique and key role in NETNORTH's development, say Gorman and Percival. As the administrator of the network, the University ensures that messages transmitted reach their destinations. A computer located at Guelph, known as Canada01, is the central hub of NETNORTH, with about 20,000 pieces of mail (files) travelling east, west, north and south through here each month, Percival says. Although an agreement with IBM has provided equipment and software for the operation, Guelph is currently absorbing the cost of staff support.

"Guelph's leadership role in establishing NETNORTH has enhanced our reputation with other universities and vendors such as IBM," says Gorman. At a time when there is much competition for limited dollars from granting agencies and industry, he says, it's important that Guelph is being recognized for its expertise in electronic communications. ○

## Computing Services offers hands-on workshops

### HANDS-ON WORKSHOPS

The hands-on workshops offered by Computing Services are intended for new users. They offer an opportunity to become familiar with using the mainframe computer and to learn some of the basic commands. Each workshop is offered several times a semester. To reserve a space, sign up on the sheets posted in the basement of the ICS building.

The workshops concentrate on CMS and APL. CMS refers to the system used by the mainframe computer for interacting with its users. CMS is also used to refer to the language used to tell the computer what you want it to do. CMS is a relatively easy language to learn. Commands are usually simple words such as PRINT, READ, TELL and EDIT. Regardless of what you want to do, if you want to use the mainframe computer, you need to know at least the basics of CMS.

APL is a mathematically oriented programming language. It is powerful and concise and is widely used in the College of Biological Science and OAC. It's an excellent tool for mathematical calculations, including matrices. This summer, CS is introducing a new version of APL called STSC APL, which is available both on the mainframe and on microcomputers.

#### CMS WORKSHOP I: Getting Started

This seminar is intended for people who have never used CMS before. You will learn how to switch on a terminal, how to log on to the system using the full-screen emulator CMSF, and how to create and edit files.

Offered May 12, 13, 16, 20 and 21 from 10:30 a.m. to noon in Room 008A, ICS.

#### CMS WORKSHOP II: XEDIT

No matter what you plan to do in CMS, you'll need to be able to use an editing program. The CMS editor, XEDIT, allows you to create files,

add and delete information, correct mistakes and move data between files.

This workshop introduces the use of XEDIT in full-screen mode and allows you to get some additional practice in the use of the editor with help near at hand. You should know at least some of the basic CMS commands before you attend this workshop.

Offered May 26, 27, 28, 29 and 30 from 10:30 a.m. to noon in Room 008A, ICS.

#### CMS WORKSHOP III: Making the Most of Your Virtual Machine

In this seminar you will learn about your "virtual" machine, how it operates and what it will do for you. Topics of discussion will include printing and sending files, obtaining temporary storage, and the many uses of the query command. You should have at least a few hours experience with CMS before you

attend this workshop.

Offered June 2, 3, 4, 5 and 6 from 10:30 a.m. to noon in Room 008A, ICS.

#### HANDS-ON WORKSHOP FOR NEW APL USERS

This seminar is intended for people who have never used APL before. You will be shown how to switch on to a terminal, connect to the system and use some of the basic features of STSC APL.

Offered May 20, 21, 22 and 23 from 1:30 to 3 p.m. in Room 008A, ICS.

#### OTHER COURSES

No other courses will be offered this summer, but CS does plan to offer a number of new short courses in the fall semester. Information: telephone Lisa Menegon, Ext. 2265. ○

## Higher education conference to meet here

Faculty development and effective lecturing will be among the topics at a conference on "Teaching and Learning in Higher Education" on campus June 22 to 25. The sixth annual conference of the Society for Teaching and Learning in Higher Education is sponsored jointly by the University and the society.

Aimed at faculty, educational researchers and administrators, the conference features the authors of *Improving Undergraduate Education Through Faculty Development*, Ken Eble and Bill McKeachie. Eble, a professor at the University of Utah, will speak on "Faculty Development: Everyone's Responsibility." McKeachie, a psychology professor and research scientist at the Centre for Research on Learning and Teaching, University of Michigan, will speak on "Cognition, Motivation and University Teaching."

George Brown of the University of Nottingham, author of *Lecturing and Explaining*, will give a workshop on "Refreshing Lecturing."

Presentations and workshops will be held on a variety of topics, including "Alternatives to Lectures," "Distance Education," "Computers and Learning," "Peer Evaluation" and "Learning Teams."

Registration for the conference is \$65 until May 31 and \$100 after that date. Faculty can also register for a single day at a cost of \$30. For more information, contact the Office for Educational Practice, Ext. 3522. ○

# Rest, relaxation and renewal

## Summer camp will emphasize the other "three R's"

The "three R's" will take on a new twist in July as Summer Campus '86 offers a program aimed at rest, relaxation and renewal. Summer Campus is a vacation that combines non-credit courses with entertainment and recreation for people of many ages and interests. The annual event attracts participants from across Canada and the United States.

The first program of its kind in North America, Summer Campus was initiated 10 years ago by Prof. Jim Murray, chairman of Continuing Education. "We started off wanting to attract people to study at Guelph in the summer," he says. "Then we realized that we were competing with holiday time, so the concept of a 'vacation with a difference' began."

During the week of July 7, Summer Campus

will offer 27 courses varying in length from one to five days. They include skill-oriented courses such as "Beekeeping," "Microcomputing" and "Residential Landscape Design," as well as courses that take the classroom outdoors — "Avian Adventure," "Fish Farming" and "Outdoor Watercolors and Sketching."

People who want to develop themselves both professionally and personally can sign up for "The Art of Negotiating (With Anyone)," "Marketing Yourself" or "Entrepreneurship." There are also courses for people who want to learn how to cope with change, be more assertive, influence difficult people or manage time more effectively.

Classes end at mid-afternoon to allow plenty of time for recreation and socializing. Evenings

will feature a concert, a barbecue, a night under the stars at the campus observatory and a wrap-up party at the Faculty Club.

Young people have a range of choices during Summer Campus. Drama Camp, for 12- to 14-year-olds, provides experience in all aspects of theatre arts, both onstage and backstage. And Computer Camp offers 12-to 16-year-olds a chance to "log on." (See accompanying story.) In co-operation with the Guelph YM-YWCA, the University will offer five off-campus programs — including sailing and equestrian and adventure camps — for children aged four to 16. Young people over 16 can register in many of the regular Summer Campus courses.

For more information, contact Continuing Education, Johnston Hall, Ext. 3956. ○

## Time to log-on for computer camp

For many teenagers, summertime means games, sports and barbecues. But for participants in Guelph's annual Computer Camp, it means spending uninterrupted hours in front of a computer screen. "We have to practically pry some campers away from the computers, and insist that they join recreational activities," says Prof. David Swayne, Computing and Information Science, who is academic coordinator of the camp.

"Our campers come to indulge their fascination with computers and to gain a competitive edge in school and future careers," says Swayne. "During the regular school year, students often have difficulty in gaining access to sufficient computing equipment and tutoring."

Now in its fourth year, the camp limits its size so that participants receive maximum individual attention. Campers, who range in age from 12 to 16, spend a minimum of five hours a day in the computer laboratories. This year, a handful of seasoned campers are being considered for tutorial duties.

The University has proven to be an ideal place for young people to study computing, says Swayne. "We provide expert tailor-made instruction by faculty, and our hardware is first rate." This includes six Digital Equipment Corp. Micro Vax II computers, graphics equipment, a robot arm and an abundance of software.

Of course, the social aspect of the camp is also important, says Swayne. It gives young

people a chance to discover friends with similar interests and skills, who can share their expertise on a higher, more satisfying level.

This year's sessions are July 6 to 12, July 13 to 19, Aug. 10 to 16 and Aug. 17 to 23. Rookies, those with little or no computing experience, can attend the first or third week of camp, with the option of a second follow-up week as a more advanced hacker. All weeks of the camp are open to hackers, the mainstay of the program. Five gurus, those with an extensive background in computing, are accepted into each week of the camp. A camper need not be a computer whiz to attend, but a recommendation from a math, science or data processing teacher is required.

The camp emphasizes computer programming and languages, with a good balance of formal instruction and individual guided exploration, says Swayne. Depending upon each camper's needs and preferences, the program can include basic program design, problem-solving, artificial intelligence, operation systems, games, and computing theory and architecture.

To ensure that even the keenest computer types have a well-rounded summer despite themselves, swimming, sports, barbecues and socials are also an integral part of the camp.

For more information, contact Continuing Education, Room 160 Johnston Hall, Ext. 3956. ○

### Don McHugh

Don McHugh, Housekeeping, died at St. Joseph's Hospital in Guelph April 28. He was 66.

He is survived by his wife, Rose Ann, who is employed in the serials division of the Library, and daughter, Rosemarie, who is also employed in the Library in the circulation division. ○



Prof. Jim Murray, chairman, Continuing Education, centre, receives a cheque for Computer Camp from Tandy/Radio Shack managers, Brian Spencer, general manager, left, and Jeff LaPlaunte, computer marketing manager. Some 22 corporate sponsors have provided the equivalent of 72 scholarships of \$100 each for deserving young people in the University's two summer youth programs, Computer Camp and The Drama Camp. Other local contributors are Canox Ltd., Guelph, and Union Gas, Kitchener.

Photo by Herb Reuscher

## Briefly

**THE CUTOVER** to the ROLM communications system from the old black, rotary dial telephone system was completed the April 27 weekend. Some 3,100 campus telephones are now in operation on the new system.

The biggest change for users is the long-distance procedure, says Garry Tatum, assistant director, Communications Services. Users should dial 9, then 1, the area code if necessary, and the 7-digit number. The system sorts out the most economical way to get there, says Tatum.

If you have not received the May, 1986 green directory, telephone Ext. 2205. Tatum says everyone should read the first four pages to understand the procedures for using the ROLM system.

**THE ANNUAL MCLEAN** Memorial Lecture will be delivered this year by Dr. Michael Boehlje, chairman of agricultural economics at the University of Minnesota. The topic of his lecture, which will be given Oct. 8, will be "Financial Restructuring of U.S. Agriculture and the Implications for Canadian Farmers."

**AUDITIONS** for all sections of the Guelph Youth Orchestra will be held May 10 from 1:30 to 4:30 p.m. at the Guelph Arts Council Centre. For information and applications, contact Prof. James Pleva, Physics, Ext. 3549.

**AN INDEPENDENT** aggregate producer based in Brantford seeks a supervisor to plan and co-ordinate the rehabilitation and grounds maintenance of the company's sand and gravel pits. A degree in agriculture or resources management and five years relevant experience is required. Send applications, including resume and references, to Sarah B. Lowe, Property manager, TCG Materials Ltd., P.O. Box 1390, Brantford, Ont. N3T 5T6.

**THE CANADIAN UNIVERSITIES** Society of Great Britain and the Canadian High Commission jointly host a reception each year for British students intending to study in Canada in the following academic year. The reception this year is June 19 at Canada House.

**THE GUELPH ARTS COUNCIL'S** third annual craft exhibition is on at the Claysmith Gallery, 28 Wilson St., until May 17. Craftworks '86 features the work of artisans from Wellington, Waterloo, Wentworth, Halton and Dufferin counties. The gallery is open Tuesday to Thursday from 10 a.m. to 6 p.m., Friday from 10 a.m. to 9 p.m. and Saturday from 10 a.m. to 5 p.m. Admission is free.

## Appointments

Alan Filewod of Queen's University will join the Department of Drama July 1 as assistant professor in a new position. ○

**ASPART OF** Agriculture Canada's celebration of its 100th birthday June 1, the Vineland Research Station in the Niagara Peninsula will hold an open house from noon to 4 p.m. Visitors can tour the research facilities of the station, as well as the greenhouses of the Horticultural Research Institute of Ontario. The station is located just north of the Queen Elizabeth Way on Regional Road 24, about 35 kilometres east of the Burlington Skyway and 15 kilometres west of St. Catharines.

**THE UNIVERSITY OF LETHBRIDGE** seeks applications and nominations for the position of president and vice-chancellor. Applications, including a curriculum vitae, should be submitted by Aug. 31 to the Chairman, Presidential Selection Committee, c/o the University Secretariat, the University of Lethbridge, 4401 University Drive, Lethbridge, Alberta T1K 3M4.

**SAINT MARY'S UNIVERSITY**, Halifax, seeks a dean of the faculty of education to assume duties Sept. 1. Written applications with resume and the names of three referees should be sent by June 1 to Joseph G. Jabbar, Academic Vice-President, Saint Mary's University, Halifax, Nova Scotia B3H 3C3.

**THE COLLOQUIUM** for the Critical Approach to Science and Philosophy will meet May 25 from 1:30 to 5:30 p.m. in Room 441, University Centre. At 2 p.m., Marie-Francoise Livoire, chef de clinique, Service de Pédopsychiatrie, Hôpital la Colombe, Montpelier, France, will discuss "Is Autistic Development Linked to a Defect in Species-specific Identification: A New Approach." At 4 p.m., the topic is "From Propensities to Behavior: Problems in the Philosophy of the Organism" with Arne Freimuth Petersen, Psychological Laboratory, University of Copenhagen, Denmark. Anyone interested in being on the colloquium mailing list or making a presentation should contact Prof. Tom Settle, Philosophy, or Prof. Fred Eidlin, Political Studies. ○

**THE SURPLUS SALES** Department has the following items available for public sale: one IBM Selectric I typewriter, s/n 163845; three Superbrain computers, s/n 6Y1128, 9D9427 and 6Z3422 (SD6046); and an assortment of bicycles (SD6595). For more information, or to view the items, contact the office at Ext. 8139.

**GUELPH INTERNATIONAL** Development Consultants seeks a president and chief operating officer to direct its operations in developing countries. The president will be responsible for the day-to-day marketing and administrative operations; seeking business opportunities with both private and public sectors and international aid agencies; preparing written submissions; and the general direction and control of field operations. Apply in writing to Edward C. Boston, quoting Assignment 401, 386 Woolwich St., Guelph, N1H 3W7.

## Our people

Prof. **Donna Woolcott**, Family Studies, has been appointed to the editorial board of the *Journal of Nutrition Education* for a three-year term.

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**Erich Barth**, art director, Public Relations and Information, and **Alf Hales**, a Guelph graduate and former president of College Royal, are 1986 recipients of the Guelph Chamber of Commerce's annual award of merit for volunteer activities. Barth was honored for his contributions to culture and arts; Hales for his citizenship and public service. The awards were presented by Lt.-Gov. Lincoln Alexander at a merit dinner last month.

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Dr. **Craig Miller**, Clinical Studies, has passed the examinations for diplomate status in the American College of Veterinary Surgery.

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Prof. **Victor Matthews**, Department of Languages and Literatures, has been named a Fellow of the National Humanities Centre in North Carolina for the academic year 1986/87. He is the only Canadian to receive the honor this year.

## Job opportunities

As of at Guelph deadline May 2, the following opportunities were available:

**Treasury Clerk**, Alumni Affairs and Development; temporary full time from May 1, 1986, to April 29, 1987. Hiring range: \$236.66 to \$256.64 per week.

**English-Language Services Co-ordinator**, contractually limited position from July 1, 1986, to June 30, 1987, with possibility of renewal. Normal hiring range: \$24,082 to \$28,297.

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

**Administrative Secretary**, Department of Family Studies; temporary full time until Nov. 30, 1986. Hiring range: \$306.03 to \$331.19.

**Custodian 2**, Housekeeping Department; night shift; consequential vacancy; Area 3; position number 025. Job rate: \$9.27 per hour; probation rate \$.20 per hour lower than job rate.

**Program Manager**, Centre for International Programs. Salary range: \$21,904 minimum; \$27,380 mid-point; \$32,856 maximum; normal hiring range: \$21,904 to \$25,737.

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

# Next Week at Guelph

## Personals

### THURSDAY, MAY 8, 1986

**Guelph Spring Festival** - LA TROUPE CIRCUS, 1:30 and 7:30 p.m., Ross Hall, \$10, children \$5; 1986 EDWARD JOHNSON MUSIC COMPETITION, 7 p.m., MacK 107, free.

**Guelph Field Naturalists** - THE BIOLOGY OF WOODLAND STREAMS, Narinder Kaushik, 7:45 p.m., Arboretum Centre.

### FRIDAY, May 9, 1986

**Schedule of Dates** - LAST DAY FOR LATE REGISTRATION.

**Guelph Spring Festival** - DESROSIERS DANCE THEATRE, 8 p.m., Ross Hall, \$14.

### SATURDAY, May 10, 1986

**Arboretum** - SPRING WARBLER WALK, 7 a.m., Nature Centre.

**Guelph Spring Festival** - JENNY ABEL, 8 p.m., WMH, \$12/\$14.

### SUNDAY, May 11, 1986

**Worship** - CATHOLIC MASS, 10:10 a.m., MacK Alumni Lounge; ECUMENICAL CAMPUS MINISTRY, Sunday services are available at St. Matthias (Anglican), Kortright and Edinburgh; Kortright Presbyterian, Scottsdale; and Harcourt United Church, 87 Dean Ave.

**Cycling Club** - WEST MONTROSE, 58 miles, 10 a.m., UC south doors.

**Guelph Spring Festival** - THE TORONTO VIRTUOSO ENSEMBLE, 3 p.m., Melville United Church, Fergus, \$10; ROBERTSON DAVIES, 8 p.m., WMH, \$8/\$10.

### MONDAY, May 12, 1986

**Lecture** - ELECTRIFIED INTERFACES, Roger Parsons, 3:30 p.m., CM 160.

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

### TUESDAY, May 13, 1986

**Worship** - CATHOLIC MASS, 12:10 p.m., Chapel, UC Level 5.

**Cycling Club** - MEETING, 7:30 p.m., AC 203.

### WEDNESDAY, May 14, 1986

**Cycling Club** - CAMBRIDGE (novice ride), 25 miles, 5 p.m., UC south doors.

**Guelph Spring Festival** - MANITOBA CHAMBER ORCHESTRA, 8 p.m., WMH, \$14/\$17.

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; ANNU=Animal Science Nutrition; FS=Food Science; CSRC=Counselling and Student Resource Centre; JH=Johnston Hall; HB=Human Biology; AC=Athletics Centre; Lib=McLaughlin Library; B&Z=Botany-Genetics-Zoology.

**For Sale:** Guelph Lioness Club annual garage sale May 9 and 10, at Dave Ausma Clocks on Hwy. 6, call 836-7682 after 5 p.m. for information. Burgundy camel-backed sofa, Gabrielle, Ext. 6031. Heintzman piano, upright grand; 12-cubic-foot freezer; arm chair; recliner, 821-0026, after 6 p.m. 1978 Chev Belair; 12-inch black & white TV; 8' by 10' carpet; 823-8398, after 6 p.m. Night tables; dressers; queen-size and bunk beds; lamps; 26-inch color TVs, one working, one not; Mason jars; china and hallway cabinets; portable stereo; 12-speed mixer; kitchen table and chairs; sewing machine; dehumidifier; vaporizer; carpet and vacuum cleaners, 821-8415. Large, four-bedroom, brick split-level house on quiet cul-de-sac leading to park, deck, fully fenced lot, games room, College-Edinburgh area, 836-8028. Three-cushion, natural pine couch; gold bedroom chair, 823-1895. New, 42-inch, round oak pedestal table, walnut stain, two leaves, 837-1791. Starcraft hardtop trailer, 836-3142. 1969 El Camino SS396, 823-1796, evenings. 1983 Pontiac Acadian, four-door hatchback, automatic, Tom, 837-1969, after 6 p.m., or Larry, 821-6040, before 6 p.m. Hardtop trailer, Suncamper, sleeps six, fridge, stove, sink, Lorraine, Ext. 2383 or 823-1297. Home on 20 acres, 10 minutes from University, trout ponds, stream, 822-7306. Girl's 10-speed bicycle, 746-6326, after 5:30 p.m.

**Available:** House-sitter throughout the summer, ground and house maintenance, experienced, references, 763-0476. Professional word processing, high quality, fast turnaround, 837-1410. Word processing on IBM computer, reasonable rates, delivery on campus, 824-8758, after 5 p.m.

**For Rent:** One-bedroom apartment to sublet, furnished kitchen, \$395 per month, Ext. 2713. Large, two-bedroom apartment to sublet, close to University and shopping, available June 1, \$497 per month, parking and utilities included, 821-1298. Three-bedroom cottage, Miller Lake, Bruce Peninsula, 824-9579. Three-bedroom furnished house, Dean Avenue, July 1 to Dec. 31, while owner on leave, 822-8891.

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