

Inside this issue: IT plans to integrate information technology into the University's teaching and learning environment. (See story, page 3.)

THE
 CAMPAIGN

*Nestlé supports
 FACS with gift*

Nestlé Enterprises Ltd. is celebrating 100 years in Canada by making a major contribution to facilities and programs at the University. The company has committed \$500,000 to *The Campaign* in support of the College of Family and Consumer Studies.

Of the half-million-dollar gift, \$325,000 will be used for teaching and research facilities — the Nestlé food service case teaching suite and the Nestlé sensory evaluation laboratory.

Nestlé president Ian Murray, a 1956 graduate of OAC and a member of Board of Governors, says Nestlé was looking for a way to create a permanent reflection of its commitment to the Canadian consumer and the food service industry.

"This isn't just a one-time university grant," he says. "Besides underwriting the costs of the two new facilities, our company will be providing ongoing support for programs and seminars to be held at Guelph for many years to come. We expect that forming this partnership of sorts will benefit both parties."

The remaining \$175,000 will provide continuing support for programs and research related to food, nutrition and hospitality management. A faculty committee from FACS is making recommendations for use of these funds.

FACS Dean Richard Barham says he's "delighted" with the gift from Nestlé. "With our specialized interests in human nutrition, food and the hospitality field, there is a very close parallel between the corporate interests of Nestlé and the research and teaching programs of the college. We are looking forward to a continuing association with Nestlé in an ongoing program of academic enrichment."

Undergraduate and graduate teaching, continuing education and research will all benefit

Continued on page 2.

OMAF move good news for U of G research: Milligan

Agricultural research at the University of Guelph gains new prominence with the Ontario Ministry of Agriculture and Food's decision to move its headquarters and over 500 staff from Toronto to Guelph, says Dean of Research Larry Milligan.

"The ministry's relocation signals and solidifies Guelph's position as the leading agricultural research institution in Canada, says Milligan. "It is a major step toward our goal of establishing the University as a world centre for sustained agricultural research and technology transfer."

The decision to relocate OMAF headquarters was announced in the April 28 throne speech and is consistent with the Ontario government's decentralization program. The move is expected to be complete by 1991.

In 1987/88, the ministry will contribute more than \$31 million towards agricultural research, education and services at the University. This includes funds for such projects as the Farm Animal Health Improvement Program and the Ontario Pork Industry Improvement Program. The OMAF funding helps support

478 agricultural research projects at OAC, OVC and other facilities.

"No other university in Canada has the very special and entirely complementary relationship with its primary external research funding source that the University shares with OMAF," says Milligan. "With the planned relocation here, that rapport can only grow."

The OMAF announcement is encouraging to researchers who are awaiting the province's decision on the naming of six centres of excellence, he says. The Ontario government has committed a total of \$30 million a year for the next five years to conduct world-class research. From a field of 28 applicants, it will select six projects for approval.

A proposal spearheaded by the University of Guelph is the only submission dealing with agricultural biotechnology, and Milligan hopes the OMAF relocation will have some bearing on the province's decision, due in early summer. "This enhancement of the University as a focal point for agricultural research and development will surely attract the presence and interest of world-class researchers and wide-ranging fiscal support." ○



A ground-breaking ceremony April 29 to mark the start of construction of the Equine Research Centre featured two Percheron horses, one a direct descendant of the Duchess Percherons, bred by OAC. Ivan Taylor, left, now retired, attended the birth of that stallion 19 years ago. Holding the reins is Cameron Shantz, a member of the ERC advisory council and owner of the team. Watching President Burt Matthews guide the horse-drawn scraper are, left to right, Michael Weber, president of Weber's Construction; Dr. Russ Willoughby, director of the ERC; Dr. Claire Rennie, OMAF, and Dr. Larry Milligan, Dean of Research.

Photo by Herb Rauscher, Photographic Services

Not enough females in University advisory, decision-making roles

Women faculty and librarians shared information and discussed areas of mutual concern at a recent meeting called by the University women's studies committee. Women's studies program co-ordinator, Prof. Joanna Boehnert, Psychology, says the main purpose of the meeting was to discuss human issues in the workplace, commonly referred to as women's issues.

The meeting also provided an opportunity to talk about the visibility of women on campus and the participation of women in advisory and decision-making capacities.

The group discussed the work of the President's Advisory Committee on Equal Rights for Women and Men at the University of Guelph. The committee is updating the University's 1975 report on the status of women for release this fall. Other subjects discussed included the procedures to nominate people for honorary degrees, the women in science group and the need for an adequate sexual harassment procedure and for improved day care on campus.

Concerns addressed during discussion included the small female presence in the higher administrative levels of the University, where policy decisions are made. The President's 20-member Advisory Council, for example, includes only three women, and the 16-member Board of Undergraduate Studies and the 17-member Committee on University

Planning have only two women members each. The 72 female faculty members account for slightly less than 10 per cent of the total University faculty, although 12 of the 21 librarians are women.

Prof. Susan Pfeiffer, Human Biology, who serves on the advisory committee on equal rights, said she was told there are not many women to choose from when she complained about the uneven representation of women faculty on Senate committees.

Salary differentials between male and female faculty and the perception that there is a lack of support for research and courses for women were also discussed. In addition, dissatisfaction was voiced on the issue of gender-exclusive language, still used for course titles and other University materials.

The group decided several steps could be taken to bring about change through the existing University structure. These include encouraging women to allow their names to stand for positions, and also by establishing a status of women committee within the Faculty Association. The release of the advisory committee's report next fall could also provide an opportunity to bring issues of concern to the attention of others on campus, Boehnert said.

The group agreed to meet once or twice a year to keep communications open among women faculty and librarians. ○

Appointments



Patricia (Trish) Walker joined the University Secretariat as assistant university secretary April 6.

Walker is responsible for Senate and University committees concerned with curriculum, liaison and student affairs, including Board of Studies, the Committee on Student Petitions, the Committee on Educational Development, and the Liaison and Communications Committee.

She is also to assist now-retired professor Earl MacNaughton, chair of the 25th Anniversary Committee, in the planning of the University's silver anniversary celebrations.

Walker, previously assistant registrar, admissions, is a graduate of Guelph's honors BA program in geography. She is enrolled in the M.Sc. program in consumer studies, studying factors influencing students' choice of a university.

Walker is located on Level 4 of the University Centre, Ext. 3438. ○

Davie music materials purchased with help of SSHRC grant

A fleeting opportunity grant of \$1,150 from the Social Sciences and Humanities Research Council has enabled the Library to purchase the Cedric Thorpe Davie collection of Scottish music materials. Davie, a renowned composer and historian of Scottish music, wrote several movie scores and was master of music at St. Andrews University until his retirement in 1978.

The collection is mainly folk and bagpipe music, consisting of sheet music and historical works on music, says Tim Sauer, head of the acquisitions and collections division of the Library. The collection arrived from Scotland May 1.

SSHRC's fleeting opportunity grants are a boon, says Sauer. From time to time, the Library learns of a collection in its area of interest that is for sale, but it has to move quickly if it wants to be the successful bidder. The grants can be obtained fairly quickly; application for the Davie collection was made in early March and confirmation was received by the end of the month.

The Davie collection will join the University's Scottish collection — considered the best in the world outside Scotland. Some Scottish universities have better collections of archival and older material, says Sauer, but because they are now financially restricted, their collections of

current material are not as complete as Guelph's.

The Library spends about \$5,000 a year on current Scottish imprints for its collection. Scottish universities, on the other hand, may have as little as \$600 a year for current material, Sauer says. With University funds and the substantial SSHRC specialized collections grants, the Library has also been able to add many thousands of books to its collection of older Scottish material in the past several years.

Guelph's collection is known across North America, which is a real plus, Sauer says. People bequeath material to the collection, and when dealers run across Scottish items, they let the University know. For example, a librarian at a California university who is also a book dealer recently gave the Library first look at his list of items for sale. From the list of 500 or so, Guelph will likely purchase only five or six items, says Sauer, but having an advance look at the list means the items the Library wants will be available.

Archival and Special Collections received the maximum \$50,000 in SSHRC specialized collections support in 1986, and has applied for the same amount this year. In past years, the most received was \$30,000. Grants for acquisitions for the Scottish collection now total about \$200,000. ○

Nestlé Continued from page 1.

from the Nestlé-supported facilities in the FACS building. The case teaching suite will be used by the School of Hotel and Food Administration and the Department of Consumer Studies in management-oriented courses. It will also be in demand each year for the Advanced Management Program for the Hospitality Industry, the school's three-week program for senior managers in the hospitality industry.

This summer, the school will begin a one-week Hospitality Managers Development Course for middle managers in the industry, which will also make use of the case teaching suite.

The sensory evaluation laboratory will be part of a product testing and development unit designed for teaching and research programs in Consumer Studies. The lab will be designed to meet the requirements for food evaluation, and is also expected to be used for other consumer products such as textiles, clothing and cosmetics. ○

EDNET

Information technology to prepare students for the workplace

Two years ago some student senators told Margaret Beckman, executive director of information technology and acting director of the Centre for Information Technology Research (CINTRE), that they knew they would have to use computer technology in their professions, but they weren't getting any exposure to it in their courses at Guelph.

That conversation emphasized the need to develop a mechanism that would advance the integration of information technology into the University's teaching and learning environment, says Beckman. That mechanism has taken the form of an educational network called EDNET, which builds on the communications environment provided by the ROLM voice/data system, as well as the application systems and resources already available through the Library and the University's computer conferencing system, CoSy.

The network's goal is to give all students, whether on or off campus, access to a variety of databases and applications as part of their educational experience. "We want graduating students to be able to cope with the new environment in the workplace," says Beckman, who begins a second term as executive director July 1.

Interactive learning

In January, the EDNET task force, which is chaired by Prof. Stuart Hunter, English Language and Literature, defined the "minimum" information technology exposure an undergraduate student should receive:

- access to the Library's on-line systems and databases;
- personal information handling, including — but not limited to — a word processing package, a spreadsheet package and a database creation and management package;
- electronically supported communication, including the use of electronic mail and computer conferencing;
- access to databases both internal and external; and
- an application of information technology (IT) to illustrate its use in the workplace.

The task force identified a number of pre-conditions before EDNET could become a reality. The primary requirement is the establishment of strategically located public pools of workstations and more network connections.

It is estimated that each student will need six hours a week of workstation time, says Beckman. "If we assume that there are 10,000 students per semester, and that IT exposure will be involved in 10 per cent of the courses being taught, we need to provide 90 hours of terminal time for 1,000 students each semester or 90,000 hours of terminal time."

Fifty workstations in a public pool in the Library, available during the current operating hours, would provide about 65,000 hours. This, coupled with college microlabs, as well as labs in residences and the Department of Computing

and Information Science, reaches the minimum target, she says.

Pools of workstations called microlabs have been established in all colleges for the use of students. But more network connections to these microlabs are needed, and the cost of establishing public pools of workstations has yet to be determined, says Beckman.

Last month the Personal Purchase Micro-computer Committee announced a special purchase of microcomputers for faculty, staff and students. (See *at Guelph*, April 2). In addition, less costly data communication rates for faculty have been established through the use of splitter boxes that allow three people to use one network connection. "We aren't, at this point, asking students to have their own microcomputers," says Beckman, "but as personal computers become cheaper, more and more students will come with their own, and this will supplement the use of the microlabs."

In the short-term, EDNET services would include access to the Library's on-line catalogue and files, the University's electronic mail and CoSy, word processing, spreadsheet, database creation and computer-assisted instruction modules. In the longer term, EDNET would allow electronic submission and revision of student assignments. Faculty members would also be able to provide assignments and accept solutions electronically, and access discipline-specific applications and environments.

Orientation to and instruction in the use of EDNET would be provided by Computing Services staff who have already been seconded to the colleges as IT co-ordinators. CS staff would also be located at public pools in the Library.

Technical and clerical support would be provided by CS and Communications Services, with manuals and brochures prepared and distributed to students and faculty.

"That's the beginning — the basics," says Beckman. To provide a leadership role into the 1990s, as recommended in the University's information technology goals, EDNET should offer access to college or department discipline-oriented instruction modules from the public pools, other college labs or from home or residence; external databases and other network services such as those now available through NetNorth and Bitnet; appropriate student information for both faculty and students; and job banks, on-campus recruiting information and other community information databases.

The EDNET task force, whose report is now being discussed by college IT committees, is expected to give its final report to the Senate Committee on Information Technology in June.

Other IT plans

The information technology strategic plan also defines strategies for continuing change in the areas of research and administrative and management systems.

Support of research projects in information technology will continue into the next academic

year, says Beckman. Funds will be distributed through CINTRE, which was established in 1986 to build on the University's information technology strengths in areas such as inter-personal computing and conferencing, and by encouraging research that recognizes the need to interpret the human dynamics of computer use. CINTRE's first annual report is expected to go to Senate shortly.

In the first year of operation, CINTRE encouraged nine research projects and gave financial assistance to several faculty to attend conferences, says Beckman.

Plans for other areas relating to research include the improvement of the interface between Netnorth and Bitnet, the enhancement of CoSy, and the University's continued participation in the definition of an appropriate network for the Toronto supercomputer facility through its representative, Murray Alexander, Computing Support Services.

CINTRE has also encouraged a computer conferencing symposium that will be held on campus June 1 to 4. Chaired by Prof. Elaine McCreary, Department of Rural Extension Studies, the symposium will discuss the uses of conferencing systems and related technologies like electronic bulletin boards, electronic mail, computer-based instruction, computer-mediated conversations, present and potential uses in education, management, social support networks and research activities.

Keynote speakers are Murray Turoff of the New Jersey Institute of Technology and Starr Roxanne Hiltz of Usala College in New Jersey, who did a pioneer study on the impact of computer conferencing in the United States. This is the second time the University has hosted a program on computer conferencing, and Beckman hopes it will spark an annual event focusing on communication technologies and the impact of interactive computing.

Administrative systems

An *ad hoc* Committee on University Computing Facilities (CUCF) was established in November 1986, chaired by Ken MacKay, assistant executive director of information technology. CUCF's mandate is to develop a proposal for the campus computing environment when the lease on the University's two IBM 4381 computers expires in August 1988. Collecting information on all current and planned usage of the University's central computers are Larry Porter, Library, (computers and teaching), Prof. Jimmy Law, Physics, (research computing) and Ron Elmslie, acting director of Computing Services, (administrative computing). ○

CUCF is also defining a longer-range plan for central computing, identifying "what alternative equipment or configurations we should be looking at," says Beckman. CUCF should have a preliminary report completed shortly, with revisions to be prepared after discussion with IT committees and the University community, says MacKay. ○

Milligan urges order in agricultural research

Agricultural research in Canada is anemic, confused and in need of order and structuring, says Dean of Research Larry Milligan.

Speaking at the Canola Council of Canada's recent annual conference in Montreal, Milligan said Canada risks becoming a "poor cousin" in food production technology if its research efforts are not better rationalized. He called for a new view towards responsibilities in Canadian agricultural research, and for the inclusion of an understanding of these responsibilities in the national agricultural strategy Canada is now developing.

Milligan blamed the three primary players in agricultural research — government, private industry and universities — for acting in apparent isolation. "Each sector has had its own independent agenda," he said. "Other than attempts to avoid the duplication of specific projects, we don't have a national view of our research system." An overall plan must be developed with the participation, agreement and commitment of all the partners in the research community.

Milligan said that universities, with their "constant recruitment of young, fresh and inquiring minds" and their "vigorous, tireless and questioning community of graduate students," should specialize in fundamental

exploratory research and development. The federal government, with its well-established network of research facilities across the country, should concentrate on evaluations required on a regional basis. It should also be active in research to support regulations, standards and other similar requirements to meet broad national needs. That leaves private industry to invest more money in commercializing laboratory-level developments, he said.

"Basically, we as a Canadian society haven't held research in high enough esteem," said Milligan. He noted that canola was developed only through a major research commitment to improve rapeseed, which has led to the emergence of the multi-million-dollar canola

industry. "Just imagine the ground we could have broken if we'd made similar commitments to other crops and problems."

Milligan said he is encouraged by Prime Minister Brian Mulroney's establishment of the National Advisory Council on Science and Technology, but added that the prime minister should consider enhancing the agricultural complement of the new group. Currently, just one member of the food production sector sits on the board, "and that may give agriculture less attention than it deserves." He called the federal-provincial agreement announced March 12 in Vancouver an undertaking of major significance to all Canadians that should lead to more — and more effective — research. ○

Additions to graduate faculty

The following people have been named graduate, associated graduate and provisional graduate faculty:

Associated graduate faculty: Mohamed Ali, University of Montreal/Zoology; Oded Bar-Or, McMaster University/Human Biology; Stan Boutin, University of Alberta/Zoology; Kenneth Breitman, Homewood Sanitarium/Landscape Architecture; Trevor Evelyn, Department of

Fisheries and Oceans, B.C./Pathology; Alan Filewod, Drama/English; Trevor Hearn, Sunnybrook Medical Centre/Human Biology; B.D. Hicks, B.C. Ministry of Agriculture & Fisheries/Pathology; Ira Jacobs, Defence and Civil Institute of Environmental Medicine/Human Biology; Mohamed Kamel, University of Waterloo/Computing and Information Science; R.E.A. Mason, On-Line People/Computing and Information Science; Paul Mulholland, Drama/English; M. Perry, Warner-Lambert Research Institute/Bio-medical Sciences; James Roth, University of Western Ontario/Clinical Studies; K.M. Somu Sundaram, Algoma University College/Environmental Biology; Andre Vallerand, Defence and Civil Institute of Environmental Medicine/Human Biology; Bob Webb, Human Systems Inc./Human Biology.

Provisional graduate faculty: Peter Conlon, Biomedical Sciences, and Satish Negi, Engineering.

Graduate faculty: Walter Kehm, School of Landscape Architecture.

The list was received for information by Senate April 21. ○

Graduate News

The final oral examination of Elenimo Billiat Khonga, Environmental Biology, a candidate for the doctor of philosophy degree, is May 11 at 2 p.m. in Room 307, Crop Science building. The thesis is: "Survival and Inoculation Production by *Gibberella zeae* (Schwabe) Petch in Corn and Wheat Residues." Khonga's supervisor is Prof. John Sutton.

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The final oral examination of Juan Manuel Chirino-Trejo, Veterinary Microbiology and Immunology, a candidate for the doctor of philosophy degree, is May 15 at 1:30 p.m. in Room 101, Veterinary Microbiology and Immunology building. The thesis is: "Immunity to *Rhodococcus equi* in Horses." Chirino-Trejo's supervisor is Prof. John Prescott.

Interested members of the University community are invited to attend. ○



The first meeting of the editorial advisory board of *Lifelong Learning* in Ontario, a new magazine for those teaching or interested in distance and continuing education, was held Feb. 20 on campus. Seated, left to right, are Prof. Mark Waldron, director of the University School of Part-Time Studies and Continuing Education, and past-president of the Ontario Association for Continuing Education (OASE); Steven Jones, editor of the new publication; and Ross Wilmott, executive director of OASE. Standing, left to right, are Wendy Terry, past executive director of OASE; Bob Carley, Conestoga College; John Millington, co-publisher of *Media C*, Guelph; Frances Shamley, OASE board member; and Peter Mee, co-publisher of *Media C*. The magazine will initially be published on a quarterly basis, and was funded with a \$15,000 seed grant from the Ministry of Citizenship and Culture.

Photo by John Majorossy, Photographic Services

GRADUATE PROGRAMS in Biomedical Sciences have been reclassified from category "C" to category "A" by the Ontario Council on Graduate Studies. The "C" placement of the M.Sc. and PhD programs occurred at the 1983 appraisal when the program was perceived to need curriculum changes, improved structure and definition and clearer definition of core faculty. These deficiencies have been corrected and improvements made in physical facilities and faculty resources. The department's detailed progress report in late 1986 led to the reclassification.

FITNESS CLASSES begin May 11 and continue to July 31. Participants in noon classes can choose between regular or low-impact classes and are encouraged to choose a combination of the two to reduce body stress.

VOLUNTEERS are needed to work in the Macdonald Stewart Art Centre gift shop one or two afternoons a month. Telephone Edith Bray, 822-0303, or Lish Dimock, 822-2749.

THE GOLDEN AGE of Aviation is the theme of the 24th annual national convention and general meeting of the Canadian Aviation Historical Society, being held on campus May 29 to 31. Cost of the full program, including two night's accommodation, two breakfasts, Saturday luncheon and banquet, is \$110. Spouses' rate is \$104. For more information, contact Milton Patterson, 416-661-9500 days, 416-223-9729 evenings.

WELLINGTON WINDS' final concert of the season is May 10 at 3 p.m. in Room 107, MacKinnon building. The program includes works by Cole Porter, Holst, Grainger, Bernstein and Walton.

THE GUELPH SPRING FESTIVAL presents the winners of the 1986 Edward Johnson Music Competition at a free "Winners in Concert" May 11 at 8 p.m., in Room 107, MacKinnon building. Performers are Richard Benedict, classical guitar, Kathleen Brett, soprano, and Carol Isaac, piano.

NICHOLAS GOLDSCHMIDT, artistic director of the Guelph Spring Festival since it began in 1968, will be honored at a testimonial dinner May 14 at 6:30 p.m. in Creelman Hall. Advance reservations are necessary; tickets are \$30.

THE DEVELOPMENT EDUCATION Program is hosting an informal welcome for representatives of the African Medical and Research Foundation May 12 from 10:30 a.m. to 1:30 p.m. in Room 334, University Centre. The representatives will include executive director Bridget Lawson, Joyce Naisha and Matilda Nyoka from Kenya and Robina Biteyi from Uganda. For more information, call Susan James, Ext. 6914.

AN EVENING with Larry Grossman, sponsored by the Guelph Progressive Conservative Association, will be held May 7, beginning at 6:15 p.m. For more information and tickets, call Cheryl Anderson-Langmuir, Ext. 3435 or 836-9989.

Campus Canada

McMaster University has received a \$12-million grant from the Ministry of Colleges and Universities to establish a multi-disciplinary department of geriatrics and gerontology. The department will enhance teaching in undergraduate and graduate health professional education programs, provide continuing education for practising professionals, be involved in research related to the elderly and provide a focus for the development of clinical services with related institutional community health and social service agencies.

Memorial University has opened a Centre for Computer-Aided Engineering, funded by a \$1-million grant under the Canada-Newfoundland Offshore Development Fund. It will provide training for professional engineers in areas such as graphics and geometric modelling, and will aid researchers in fields such as ocean engineering. (Notes from AUCC)

United Way honors top volunteers

Star volunteers for the 1986 United Way canvass on campus were recognized April 7.

Ron Traviss accepted a certificate on behalf of the Payroll Department for its role in organizing lists for record keeping and the payroll deduction plan. The chairman's award for excellence went to the College of Physical Science, where donations and the participation rate almost doubled from the previous year. The award, accepted on behalf of CPS by Prof. Ernie McFarland, Physics, is to hang in the dean's office. McFarland was also presented with a certificate of achievement as area coordinator for CPS.

Doug Waterston, President's Office, received recognition for his contribution as "loaned representative" — a person designated by the president to help in the campus canvass.

A United Way coffee mug was presented to canvasser Allan Deroo, Agricultural Economics and Business. AG&E gave \$3,453 and had the highest participation rate — 76 per cent — in OAC. Deroo has volunteered to canvass again. A coffee mug was also presented to Marisa Phillips, Media Productions, Office for Educational Practice, who has been the campus United Way secretary and a canvasser for two years.

The 1987 campus canvass is now gearing up, says chairman Don McIntosh, OEP. Anyone interested in being a canvasser or an area coordinator should contact McIntosh at Ext. 3106. ○

Counselling Unit after hours calls

Counsellors are no longer available after office hours. To talk with someone outside of regular office hours, phone the Guelph Distress Centre at 821-3760.

In emergencies where medical attention is necessary, phone the Guelph General Emergency at 822-5350.

Counselling Unit hours are 8:30 a.m. to 4:30 p.m., Monday to Friday, except statutory holidays. Call Ext. 3244. ○



The second annual President's Council dinner, held April 23, recognized 160 major donors to the University. The council, established with 22 members in 1985, has grown to a group of 201 and has made donations totalling \$1,412,862 to the University in the two years since it began. The evening was a social affair designed to enable off-campus donors to meet the University's president, faculty and other Guelph supporters. President Burt Matthews brought members up to date on recent developments at the University. Among those attending were Doreen and Walter Hellyer of Waterford, left, and Leon Claus of Canton, New York.

Photo by John Majorossy, Photographic Services

Public-speaking contest brings French students to campus

Students from eight southern Ontario high schools shared prizes in the fourth edition of *Echanges*, a public-speaking contest in French sponsored by French Studies, Department of Languages and Literatures.

More than 90 participants in Grades 11, 12 and 13 were delegated by their schools to appear in the final competition held March 27 on campus.

The one-day event is an opportunity for students interested in French to meet, exchange ideas and spend the entire day immersed in their second language, says Prof. Francois Pare. The quality of spoken French was high this year, he says, and the University faculty who have served as judges have noticed a steady improvement in the ability of area core

French students to speak spontaneously in their second language.

Pare says *Echanges* is an excellent way for the participating students to discover the campus, and for French Studies faculty to understand the needs of students now studying French in high school.

This year, first prizes went to Monica Marina, Grade 11, Cardinal Newman High School, Hamilton; Margot Lange, Grade 12, Centennial CVI, Guelph; and Kerry McLoughlin, Grade 13, Bishop Macdonell High School, Guelph. Second prizes went to Tina van Hinte, Grade 11, Georgetown District High School, Georgetown; Ed Bagares, St. Jerome High School, Kitchener; and Tina Lanillos, Orchard Park Secondary School, Stoney Creek. ○

VISA hosts Ottawa students and parents

Ottawa high school students and their parents had a chance to learn about the University of Guelph at a recent information day hosted by Volunteers in Support of Admissions (VISA) in Ottawa.

About 60 students and their parents attended the gathering, where they met eight Ottawa-area Guelph alumni; current students Warrne Briggs and Trevor Allen; Keith Alnwick, associate registrar, Admissions; and Betsy Allan,

liaison co-ordinator in the Department of Alumni Affairs and Development.

The Ottawa VISA chapter has hosted an information session each spring since 1980 for high school students who have applied to Guelph. Alnwick provided admissions information; Briggs and Allen described campus life, their experiences in residence and their courses. The alumni explained how their studies at Guelph have influenced their careers. ○

CS offers free seminars

Computing Services is offering free orientation seminars this semester for computer users. All seminars will be held in Room 212, ICS building. Morning seminars run from 10 a.m. to noon, afternoon seminars from 1:30 to 3:30 p.m. and evening seminars from 7 to 9 p.m.

Registration begins May 8. Call Ext. 8888 or register in person at Room 204, ICS building, from 8 a.m. to 9 p.m., Monday to Thursday, and 8 a.m. to 5 p.m., Fridays. For descriptions of what the seminars cover, call Ext. 8888.

Date	Topic	Time
(M=morning, A=afternoon, E=evening)		
May 19	PC DOS	M
May 19	CMS BASICS	A
May 20	Communications	M
May 20	NOMAD Reporting	A
May 21	CMS File Management	M
May 21	NOMAD Database	A
May 26	PC Data Management	M
May 26	Mainframe	A
May 27	LOTUS 1-2-3	A
May 28	dBASE III	A
June 2	Scientific Computing	A
June 2	Communications	E
June 3	Mainframe	E
June 4	Microcomputers	E
June 8	Microcomputers	M
June 16	WordPerfect Basics	A
June 17	WP* Macros/Columns	M
June 18	WP Indx/Tab. Contents	M
June 18, 19, 22	SAS-multi-session	A
June 24	SAS Graph	A
June 25	SAS-PCA	A

*WP=WordPerfect

Our people

Norm Lightfoot, Media Productions, has been appointed to the board of governors of the International Wildlife Film Festival. Lightfoot recently attended the 10th annual festival, where he participated in a filmmaker panel, led a film-editing session and was involved in a discussion on assisting the Mexican International Wildlife Foundation produce films about Mexican wildlife and conservation.

The OAC degree team won the grand champion judging award during the fourth annual Canadian Intercollegiate Judging Competition held during College Royal. Members of the winning team were **Donna McNabb**, **Pete Vingerhoeds**, **Richard Chant** and **Eva Bodahelyi**. Vingerhoeds was named Grand Champion Individual Judge; Chant placed second. Several Ontario teams participated in the day-long event; others came from Alberta, Quebec, Nova Scotia, Ohio, Michigan and New York.

Prof. Reid Kreutzwiser, Department of Geography, has been appointed by Natural Resources Minister Vincent Kerrio to a three-year term on the nine-member Shoreline Management Advisory Council. The council will hold at least four public meetings a year in different communities along the Great Lakes.

Morris Freeman, OAC '55, is the recipient of the 1987 OAC Outstanding Service Award.

Researchers and industry meet for biotechnology

The first gathering of all four centres of Guelph-Waterloo Biotech, a consortium involving researchers from the two university campuses, was held recently at Guelph. The annual meeting and symposium was an all-day event attended by 150 researchers and industry representatives. Eight invited papers were presented by Guelph and Waterloo faculty on a variety of biotechnology concerns.

Prof. Ken Kasha, director of the Plant Biotechnology Centre, one of two centres at Guelph, says the broad representation from industry underlined the importance of the industrial affiliation in the area of biotechnology research.

Plant and animal biotechnology centres are located on the Guelph campus; microbial and industrial centres are at Waterloo. ○

Appointments

Francis Ronald has been appointed manager, Food and Beverage Operations, University Centre. Ronald has been with the University Centre since 1976, when he began part-time work while attending the School of Hotel and Food Administration. ○

Harshman Lecture May 11

"The Two-paycheque Family" is the topic of the College of Family and Consumer Studies' Harshman Lecture May 11 at 8 p.m. in Room 149, Macdonald Hall. Guest lecturer is Dr. Helena Znaniecki Lopata, director of the Centre for Comparative Study of Social Roles and professor of sociology at Loyola University of Chicago.

Lopata is author of several books, including *City Women: Work, Jobs, Occupations, Careers and Dependent Wives and Widows: From Social Problem to Federal Policy*. She is also editor of

Marriages and Families and has written a chapter on "Contemporary Family Roles in Life Course Perspectives" for the forthcoming book *Women in Society*.

The Harshman Lecture, sponsored by the H.H. Harshman Foundation, is an annual event focusing on the quality of family life. In addition to funding the lecture, the foundation provides support for undergraduate and graduate scholarship as well as for visiting professors.

The lecture is free and open to the public. ○

Philosophy conference on campus May 21-23

"Ethics and Justification," a conference sponsored by the joint Guelph-McMaster doctoral program in philosophy and the University's ethics research group, will be held May 21 to 23 in the Hotel and Food Administration building.

Sixteen philosophers from across Canada will address problems people face when they try to develop ground rules for making moral decisions. Participants include Kenneth Rankin, University of Victoria; Kai Nielsen, University of Calgary; Leslie Armour, University of Ottawa; and Richmond Campbell, Dalhousie University.

Although the topic of the conference is theoretical, the underlying concern is practical, says Prof. Doug Odegard, Philosophy, one of the conference organizers. Canadian philosophers are increasingly being called upon to provide guidance in the resolution of concrete social issues, he says, and "the more they can

achieve real agreement at a theoretical level, the more effective that guidance will be." Guelph's ethics research group has tried to create the right kind of melting pot by pulling together a cross-section of Canadian philosophers, he says.

Cost of the conference is \$30 general and \$10 for students. Registrations should be sent to the Department of Philosophy. For more information, call Ext. 3886.

The conference precedes the meetings of the Canadian Philosophical Association, which begin at McMaster University May 24. ○

Correction

In the April 30 issue of *at Guelph*, the article "BofG Members Named to Selection Committee" should have read that **three** faculty members and **two** students elected by Senate will serve on the selection committee for president. In the same issue, the article "The Name of the Game" should have read that "Several facilities around campus will soon undergo name changes following recent **BofG** approval."

MacDonald on leave

Vice-President, Academic, Jack MacDonald will be on administrative leave from June 1 to Sept. 4. Associate Vice-President, Academic, Janet Wardlaw will remain in her position until his return. ○

Personals

For Sale: Ice cream, Food Science 025, May 8, 2 to 3 p.m. Jerrold remote TV converter; Crane lavender bathtub; large games-pool; shuffleboard, 822-5669. Apple II-Plus computer, peripherals and software, Ext. 3365 or 824-4623. 1982 Honda CB 900F, 843-3114, after 5 p.m. Bic sportsrack (windsurfer) for gutterless cars 50-56 inches, Chris, 821-7081. 1977 Plymouth Colt station wagon, 821-3814, evenings. Siamese sealpoint spayed female, two years old, all shots, Anne, 836-3006. Three-bedroom house, 15 minutes from University by car, Ext. 8740 or 821-5412. Dorchester stereo; used stove and refrigerator, 821-5502, after 5 p.m. King-size waterbed with six drawers, Ext. 3617 or 836-8258. Men's 10-speed bicycle, Brian, 763-0491. Hibachi; high chair; "Barbie" van; toddler dresses, sizes 2 and 3; low white fence for garden; inside door; women's large bicycle; cross-cut saw; 3-h.p. roto-tiller, 822-3129. Gendron baby carriage, Ext. 6358 or 824-7093, 6 to 9 p.m. 1985 front-wheel drive, four-speed Dacia sedan, under warranty, Ext. 3488 or 884-3002, evenings. 1981 Honda Civic, 1976 Buick Riviera, 1974 Camaro, 821-5813. Men's 10-speed bicycle, 823-1909, after 6 p.m. Three-bedroom house, northeast Guelph, Tony, Ext. 2618 or 822-7615.

Wanted: Sailboat, CL-14 or similar, 14-foot boat preferred, 843-4789. Two-bedroom apartment for two mature, non-smoking female students,

Job opportunities

As of *at Guelph* deadline May 1, 1987, the following opportunities were available:

Head Football Coach, Department of Athletics. Salary commensurate with qualifications and experience.

Customer Support Co-ordinator, Cosy Marketing Group; contractually limited position. Salary commensurate with qualifications and experience.

Assistant Manager, Beverage Operations, University Centre Directorate. Salary range: \$448.76 minimum; \$488.05 job rate (level 5); \$589.81 maximum.

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

Clerk, Department of Landscape Architecture. Salary range: \$291.19 minimum; \$336.53 job rate (level 5); \$419.16 maximum.

Secretary, Department of Residences, Residences Life. Salary range: \$282.66 minimum; \$322.58 job rate (level 5); \$397.36 maximum.

Secretary, Department of Music. Salary range: \$282.66 minimum; \$322.58 job rate (level 5); \$397.36 maximum.

Custodian 2, Housekeeping Department. Job rate: \$9.77 per hour; probation rate: \$.20 per hour lower than job rate.

Custodian 3, Housekeeping Department. Job rate: \$10.25 per hour; probation rate: \$.20 per hour lower than job rate.

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

Positions elsewhere

The University of Alberta is seeking a director of computing systems to assume duties July 1, 1988. Applications, including curriculum vitae, should be sent by May 31 to: Dr. J. Peter Meekison, Vice-President (Academic), University of Alberta, 3rd floor, University Hall, Edmonton, Alta. T6G 2J9.

Ext. 3605 or 836-8002. Two bunk beds in good condition, Ext. 3617 or 836-8258.

For Rent: Furnished rooms in a clean well-managed house within walking distance of University, available May 1, 833-0764. Two bedsitting rooms, University Avenue, available for females only for summer and fall, summer rates \$30/week, Anne, 836-3006. Bedsitting room, Yeates Court, available for summer and fall, summer rates, Brian, 822-1712. Four-bedroom house, fenced yard, garage, central air, near park and schools, available immediately, \$800/month plus utilities; one-bedroom furnished apartment, own entrance, on bus route, 821-8857, after 6 p.m. Two-bedroom apartment with dining room, living room, library in historical stone home, no pets, \$720/month, 824-1773, evenings. Two-bedroom house, available July 1 to Sept. 30, fridge, stove and dishwasher provided, \$670/month, 822-9608.

Available: Belgian, French-speaking university student wishes to be an au pair, approximately late July to early September, has previous experience, 836-0433.

"Personals" is a free service offered by *at Guelph* for staff, faculty and students at the University. All items must be typed, double spaced, and submitted to *at Guelph* one week before publication.

Keep working at a better future

Biotechnological alteration of plants and animals will be needed in the future as people try to produce more and more food from fewer resources to feed a population that is increasing by 90 million people a year. "We must instead look for a balance to ward off global disaster," said Keith Ronald, director of The Arboretum, as he opened the recent Arboretum Symposium "The Predicament of Man."

Monte Hummell, president of the Wildlife Fund of Canada, spoke in the plenary session about how humankind has the ability to extricate itself from the catastrophic course it has set itself on. Human welfare concerns most often stem from environmental concerns, he said, and anti-pollution movements have finally caught the attention of individuals, organizations and lawmakers. Ironically, it is still not popular to be "anti-nuclear," despite the increasing military build up and the Chernobyl disaster, he said. A co-founder of Pollution Probe with Donald Chant, who was also present at the symposium, Hummell said he is disappointed with the lack of progress in the area of resource conservation. "These concerns seem to be slipping from our consciousness," he said, noting that the participants were sipping their coffee from disposable styrofoam cups. ○

Library hours for spring

May 4 to July 19

Monday to Thursday	8:30 a.m. to midnight
Friday	8:30 a.m. to 10 p.m.
Saturday, Sunday and Holidays	noon to 10 p.m.

July 20 to Aug. 9

Monday to Friday	8:30 a.m. to midnight
Saturday, Sunday and August Civic Holiday	9 a.m. to midnight

Aug. 10 to 18

Monday to Friday	8:30 a.m. to 9 p.m.
Saturday and Sunday	noon to 9 p.m.

Aug. 19 to Sept. 7

Monday to Friday	8:30 a.m. to 7 p.m.
Saturday, Sunday and Labor Day	noon to 7 p.m.

Regular building hours resume Sept. 8

Reader Service and Evening Reference Service

Monday to Thursday	8:30 a.m. to 9 p.m.
Friday	8:30 a.m. to 4:45 p.m.
(during University summer hours)	(8:30 a.m. to 4:30 p.m.)

Veterinary Science Section

May 4 to Aug. 9

Monday to Thursday	8:30 a.m. to 10 p.m.
Friday	8:30 a.m. to 5 p.m.
Saturday and Sunday	1 p.m. to 5 p.m.

Victoria Day (May 18)

Canada Day (July 1) SECTION CLOSED

Civic Holiday (Aug. 3)

Aug. 10 to Sept. 7

Monday to Friday	8:30 a.m. to 5 p.m.
Saturday, Sunday and Labor Day	CLOSED

Reader Service

Monday to Friday	8:30 a.m. to 4:45 p.m.
(during University summer hours)	8:30 a.m. to 4:30 p.m.

Regular semester hours resume Sept. 8.

Next Week at Guelph

THURSDAY, May 7

The Human Factors in Day Care - Address, Jake Epp, 9 a.m. Peter Clark Hall; Workshops, 10 a.m. to 4 p.m.

Pathology Seminar - "Reproductive Pathology of African Flying Fever," Donald Schlafer, 11:10 a.m., Pathology 220.

PC Association - An Evening with Larry Grossman, 6:15 p.m., tickets Ext. 3435 or 836-9989.

FRIDAY, May 8

Schedule of Dates - Last day for late registration; last day for submission of student petitions.

Conference - The Human Factors in Day Care, 9 a.m. to 3:30 p.m., Peter Clark Hall.

Current Issues in Agriculture - "The Global Agricultural Research System," Bill Tossell, 3 p.m., Crop Science 121.

SUNDAY, May 10

Cycling Club - Diagnostic Clinic, 9:45 a.m.; West Montrose, 58 miles, 10 a.m., UC south doors.

The Arboretum - Sunday Afternoon Walk, Slimy Songsters, 2 p.m., J.C. Taylor Nature Centre.

Concert - Wellington Winds, 3 p.m., MacKinnon 107.

MONDAY, May 11

Cycling Club - Meeting, 7:30 p.m., Athletics Centre 203.

Harshman Lecture - "The Two-Paycheque Family," Helena Lopata, 8 p.m., Macdonald Hall 149.

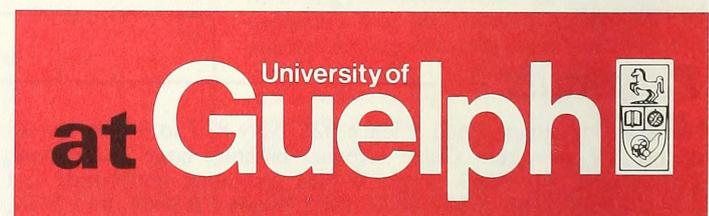
WEDNESDAY, May 13

Symposium - Vertebrate Visual Transduction, 10:30 a.m. to 5 p.m., MacNaughton (Physical Sciences) 105.

Worship - Ecumenical Campus Ministry, Holy Communion, 12:10 p.m., Chapel, Level 5, UC.

Cycling Club - Cambridge, 25 miles, novice ride, 5 p.m., UC south doors.

The Arboretum - Wednesday Evening Excursion, 7 p.m., J.C. Taylor Nature Centre (cancelled if raining at 5 p.m.).



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