

Inside this issue: The University Centre houses a variety of services. The Centre Pharmacy, the Canadian Imperial Bank of Commerce, P. Lawson Travel, the Guelph Campus Co-operative and University Hair are featured on pages 4 and 5 in a supplement requested by and paid for by the services. 0

\$60M price tag on campus renewal

Guelph would have to spend more than \$60 million to bring its present facilities up to modern standards, says Al Brown, director of physical resources. At least \$30 million would be required to replace obsolete buildings on campus, and another \$30 million to \$40 million would be needed over a 10-year period to renovate outdated structures.

The \$60-million figure does not include the cost of building new facilities to solve space shortage problems or provide for new programs, the costs of renewing site works or utility systems, or the costs of routine maintenance.

To keep the University in good repair, says Brown, Guelph should spend at least \$6 million a year on renovations, alterations, and equipment and furniture replacement, compared to the \$2.27 million it has been averaging over the past five years.

Brown is chairman of a study group that has examined the space use and needs of the University. As part of their study, members of the group visited and evaluated the quality of all major buildings on campus.

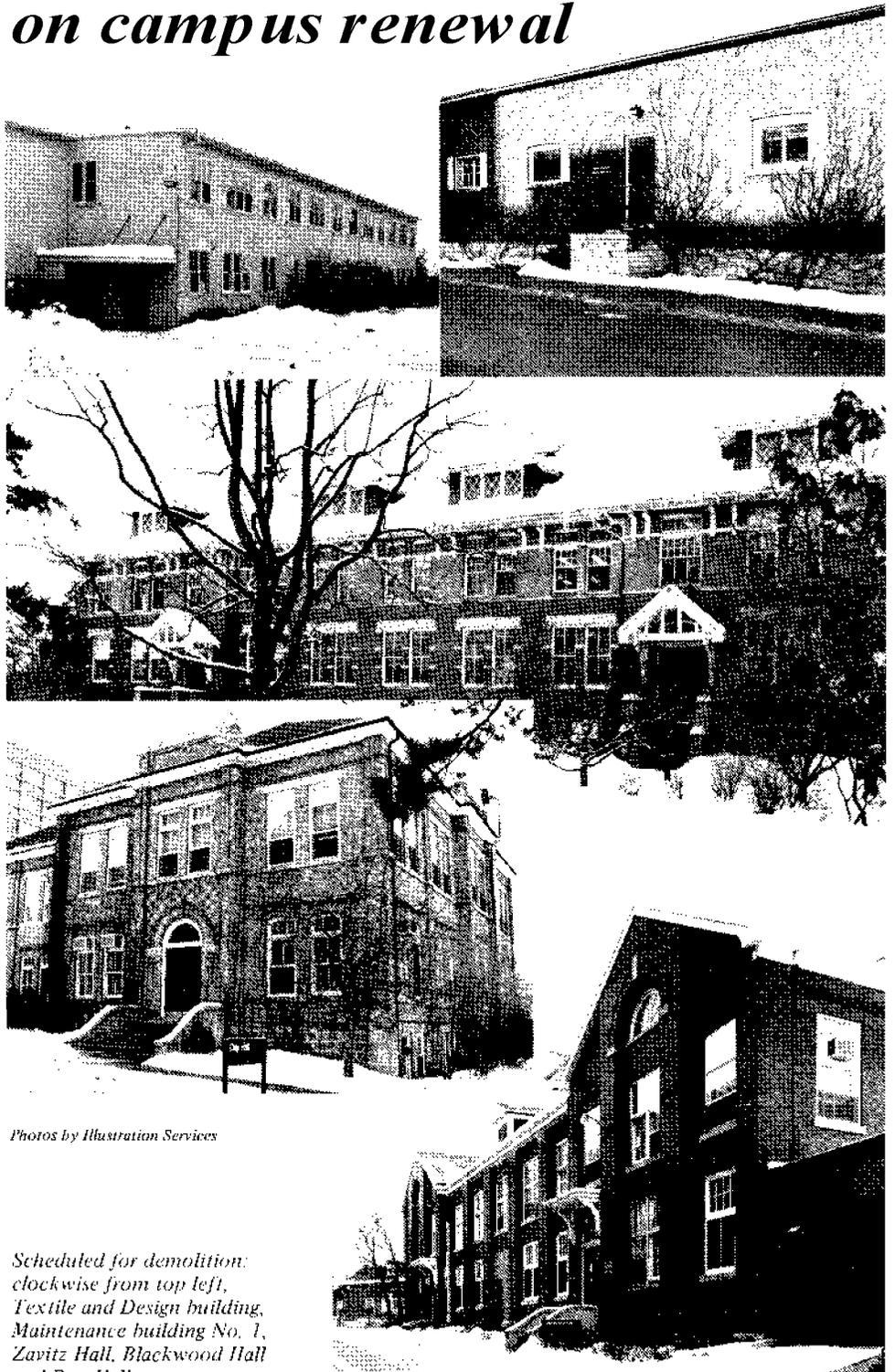
Based on the campus inventory, the group concluded in an interim report that more than 1.1 million square feet of usable campus space — 45 per cent of the total — is substandard. Of that, almost 200,000 square feet of space is not worth renovating, and should be demolished and replaced, the report said. This includes the Textile and Design building, Blackwood, Day and Zavitz halls, the Horticultural Science greenhouses and Maintenance building No. 1, as well as a number of small, old, woodframe buildings.

Most of the remaining substandard space can be renovated to good quality, said the report. Only about 17,000 square feet of substandard space should revert to storage or other low grade use.

Almost 1.5 million square feet of campus space was rated satisfactory, but the report said there is "an urgent need" to establish a renovation and replacement program before the buildings now evaluated as satisfactory also require renovation.

In 1984, at the time of the group's inventory, less than five per cent of the buildings on campus were less than 10 years old. Two-thirds of the buildings had been constructed, or had had major renovations, between 10 and 19 years ago.

Continued on page 2.



Photos by Illustration Services

Scheduled for demolition: clockwise from top left, Textile and Design building, Maintenance building No. 1, Zavitz Hall, Blackwood Hall and Day Hall.

Winter enrolment tops projections

Full-time undergraduate enrolment for the winter semester is above projected figures, and graduate enrolment is still climbing, according to the offices of the Registrar and Graduate Studies.

As of Jan. 10, the last day for late undergraduate registration, there were 9,794 undergraduate students on campus, 134 more than projected. Graduate enrolment as of Jan. 16 was 1,065, compared to 1,026 at the same time last year, and still climbing, although it's not expected to hit the record high of 1,117 set in the fall of 1985. Guelph reports its final enrolment figures to the Ministry of Colleges and Universities Feb. 1.

Total full- and part-time undergraduate enrolment is 11,235, down 189 from the winter semester of 1985. The drop is in the number of Semester 1 undergraduates — there are 511 compared to 617 at this time last year — and in the number of full- and part-time undergraduate visa students 575 compared to 881 in the winter of '85. There are 1,441 part-time undergraduates enrolled, down 44 from projected. 0

Human survival featured in HK symposium

Mountaineers are well aware of the problems associated with oxygen deprivation and extreme cold. But there are people indigenous to mountainous areas such as the Himalayas and the Andes who spend their entire lives at high altitudes with no apparent ill effects. This phenomenon will be discussed at the 16th annual Human Kinetics Symposium on campus Jan. 25.

Dr. A.R. Frisancho, University of Michigan, author of *Human Adaptation*, leads a list of guest speakers who will address this year's symposium theme, "Human Adaptation: Mechanisms for Survival."

Subject areas cover environmental and physiological factors, including space research and zero gravity, bone density and immobility, and neuromuscular disease and muscle stimulation.

Some 200 people, including many Human Biology graduates, are expected to attend the symposium, which has been planned and co-ordinated by third-year Human Kinetics students. The preparation work began last April under three committees: a speakers committee, chaired by Dan Marsh; a committee to handle accommodation and catering arrangements, chaired by Mark Alderson; and a fund-raising committee, chaired by Karen Stefanyszyn.

The symposium is in Room 105, Physical Sciences building, from 9 a.m. to 5 p.m. A wine and cheese reception follows in the Faculty Club, and an awards dinner and dance begins at 7 p.m. Tickets for the symposium, lunch, and wine and cheese are available from Human Kinetics students or from the University Centre box office at \$13. The dinner and dance is \$18. Cost for the entire day is \$27, or \$50 per couple. 0

A measure of excellence

The Guelph-Waterloo Centre for Graduate Work in Chemistry has been ranked third in a worldwide compilation of research citations, ranking behind the Massachusetts Institute of Technology and the University of California, but ahead of such institutions as Harvard, Princeton and Oxford universities.

The 11-year-old (GWC)² is a collaborative centre for research and graduate studies of the University of Guelph and the University of Waterloo. The ranking was made by *Current Contents*, the publication of the Institute of Scientific Information, Philadelphia.

The recognition "really means that we've arrived as a scientific institution," says the centre's director, Prof. Bob Balahura. "We are competing successfully with all of the top universities in the world."

Vice-President, Academic, Howard Clark, himself a chemist, sees citation indexing as a reasonable indicator of significance. "There is certainly a correlation between the list and the best chemistry departments," he says.

Although the centre has been attracting good students from the beginning, Clark sees the third-place ranking as further evidence of the high calibre of work being done in Guelph and Waterloo.

The ranking was based on the number of research reports emerging from the institutions involved that have earned "most cited" status. "Most cited" means the research papers were cited at least 35 times in major chemistry publications such as the *Journal of the American Chemical Society* (described by Clark as the outstanding chemistry journal in the world), *Science* and the *Journal of Physical Chemistry*.

The papers considered for the ranking were first published in 1982 and were cited over the following three years. The Guelph-Waterloo centre produced six papers, MIT produced 10, and the University of California, which is actually a system of state universities, produced nine.

Four (GWC)² faculty collaborated on six papers. They include the centre's first director, Arthur Carty, Victor Snieckus, and two 1985 winners of the prestigious Canada Council Killam Research Fellowships — Giacinto Scoles and Colin Fyfe. Fyfe was also one of a select group of worldwide researchers who each co-authored three of the most cited papers in the list. Fyfe and Carty were also cited once each in 1981. Several other researchers from the United States and Britain were co-authors of the (GWC)² papers.

Prof. Jack MacDonald, dean of the College of Physical Science, says the papers quoted in the study share at least two important features. The scientific subject matter is of interest to a large number of high-quality chemists who publish in the leading journals and the work has made a significant contribution to the field.

"To have four faculty from (GWC)² included on the list is not only a strong endorsement of the relevance and quality of the special research programs involved, but a general indication of the strength of the centre," he says. "Clearly (GWC)² is now being recognized as an international centre of excellence in chemistry." 0

\$60M price tag Continued from page 1.

These structures were built in the 1960s and '70s, a time of expansion in the Ontario university system, says Brown. Guelph's present total building area — 4.6 million gross square feet — is almost three times what it was before the expansion. In the years since, however, capital funding has been provided for only essential needs, he says, and that has resulted in the gradual deterioration of facilities. As the buildings erected in the '60s and '70s enter the stage where major renewal is required, substantial increases in funding are needed to halt the deterioration, he says.

In addition, unlike newer universities, Guelph also has many older buildings requiring major renovations or replacement. About 12 per cent of the buildings on campus were 20 to 29 years old at the time of the study group's survey, 2.3 per cent were 30 to 39 years old, 0.2 per cent were 40 to 49 years old and 13.9 per cent were 50 years and older.

Some of these buildings are not suitable for upgrading, says Brown, "so we try not to spend any money on them. They are kept warm and dry and functional, but they don't represent quality space."

Brown says he'd like to see a program

of replacement and renovation implemented in stages over the next 10 years. Such a program should have begun years ago, he says. "We're already behind ... and as the years go by, it gets harder and harder to catch up. The longer it takes to get started, the more expensive it will be."

The University hasn't had enough money in the past to institute a replacement and renovation program, says President Burt Matthews, but the study group's finding that such a program is urgently needed will be useful in making applications for government funding, and in planning the University's needs for a capital campaign. 0

Agnes Grieve (Scottie) McLean

Agnes Grieve (Scottie) McLean died in Guelph Dec. 27, 1985. She was 85. Wife of the late Ernest C. McLean, who was chairman of the Department of English Language and Literature, she was well-known for her direction of drama productions on campus.

She left a \$30,000 bequest to the University to endow scholarships in the Department of English Language and Literature.

The school with revolving doors

by Betty Bean-Kennedy

As Canada's only school focusing on the rural component in planning and development, the University School of Rural Planning and Development has an important role to play both at home and abroad, says its recently appointed director, David Douglas.

"We are, first and foremost, a University school," he says, "and one with revolving doors. We exchange resources with departments and units across campus, and provide a forum for collaborative research, outreach and teaching."

All but three of the school's 10 faculty members are cross-appointments with other University departments, which makes collaboration easier, he says. The departments now sharing cross-appointments with the school are Agricultural Economics and Business, Geography, Land Resource Science and Economics.

In addition, graduate supervision and courses required by the school, or required in other programs and taught by the school's faculty on a reciprocal basis, establish linkages with several other departments and units. Douglas also stresses the importance of close working ties with the Department of Rural Extension Studies and the Centre for International Programs.

The school focuses on three activities — teaching and training, research and outreach. This becomes a cyclical process as many research projects are components of outreach activities, and the results are then fed back into the classroom. This is true on both the international and domestic fronts, says Douglas.

Students are encouraged to become involved in intern programs related to their studies during the spring semester. Although the school doesn't actually find the placements, it does assist students in several ways. Faculty members visit students on the job, make contact with employers, and encourage job supervisors to give students wide exposure in the work environment. The supervisors are asked to submit written reports at the end of the work experience.

One goal of the school's five-year strategic plan, says Douglas, is to publicize the intern program in a more structured way, reaching out to government agencies and the private sector.

Douglas says the school is committed to managed development rather than growth, and in line with the University's aims and objectives, it will continue to strive for excellence, with growth as a secondary consideration. He expects a senior cross-appointed faculty member in international rural development will be appointed by early



David Douglas

next year.

Other aspects of the school's five-year plan call for implementation of a doctoral program and a marketing program, a review of the school's three integrated program streams (rural planning, rural development and resources development), and increased integration into more departments across campus.

"We're under pressure from the international community and Canadians to accommodate more students," says Douglas. Recent inquiries have come from Papua New Guinea, several African countries, Indonesia, India, Latin America and the Caribbean. The school now accommodates 60 graduate students, 20 of them in programs with other departments. No undergraduate program is offered.

The school's immediate plans call for streamlining financial planning and control, publishing more research results and solving space problems. The establishment of an external advisory committee and more on-campus liaison are two important objectives for the next few months, says Douglas.

The school's challenge, he says, will continue to be one of fostering collaborative and interdisciplinary research, outreach and teaching, and maintaining a "a balance between the very real needs and opportunities in domestic rural development here in Ontario and Canada with the burgeoning international opportunities and demands.

"I have no doubt that the necessary energy, good will and progressive commitment are available in our University to ensure that the school will continue to meet and exceed our collective expectations," he says. 0

THE SURPLUS SALES Department has the following items available for public purchase: one standard garage door, 95" x 82" (SD #007); and one attendant kiosk, two-door entry, counter top and bench seat with storage, aluminum and glass window construction (SD#040).

For more information, contact the sales office at Ext. 8139.

Theology at the cutting edge

Eminent theologian Dr. Gregory Baum of St. Michael's College, University of Toronto, leads off a Wednesday evening lecture series, "Theology from Experience: The Cutting Edge," Jan. 29 at 7:30 p.m. in Room 335, University Centre. The series is sponsored by the University Catholic Community.

Baum, a professor of theology and sociology, and author of *Ethics and Economics* and *The Priority of Labor*, will discuss "The Possibility and Limits of Experiential Theology."

The second lecturer in the weekly series is Rev. Hans Zegarius, whose Feb. 5 topic will be "Rethinking Some Religious Assumptions."

Other scheduled speakers in the eight-week series include feminist theologian Dr. Mary Malone of Toronto, who will focus on "Women in the Church" Feb. 19; Father John Veltri, S.J., of Guelph, who will discuss "Spiritual Development and the Black/Homosexual/Minority/Female Person" Feb. 26; and Val Bozzer of the L'Arche Christian Community in Hamilton, whose topic will be "Living with the Handicapped" March 12. 0

Marketing course available

Continuing Education is offering a marketing course for people involved in small- to mid-size businesses. "Marketing Made Easy" begins Feb. 4 with instructor Peter Barrow, president of Peter Barrow Communications, a public relations and marketing firm in Guelph and Waterloo.

All aspects of contemporary marketing, from basic principles to proven techniques, will be discussed in the six evening sessions. Some of the issues to be covered, through case histories and hands-on assignments, include: Who are your customers? How do you decide whether to spend advertising dollars on radio, television, print or all three? How can you use public relations most effectively?

A do-it-yourself workshop will encourage participants to set up their own one-person marketing departments.

To register, contact Continuing Education, Room 160, Johnston Hall, Ext. 3956.0

Meet candidates for OEP directorship

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

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

The selection committee would like comments that would help them in their selection by Feb. 4.0

Full-service travel agency



The staff of P. Lawson Travel: left to right, travel consultants Kim Efthimakis, Su Johnson, Mary-Ann Prior, Maria Ridi and manager, Marg King.

After more than 11 years in business in the University Centre, P. Lawson Travel could definitely not be called a "fly-by-night" operation. But if you do want to fly by night, or by day, or even if you want to take a train, P. Lawson can handle all of your travel needs, says manager Marg King.

Because the agency is located in the centre, she says, some people think it caters only to students or to business travel. And some people think it deals only with travel within North America. But P. Lawson is a full-service agency, she says, and it can arrange everything from a vacation package in the South Seas to a student field trip to North Bay.

The agency can also help co-ordinate conferences on campus by supplying travel request forms in registration kits and making arrangements for conference participants through its 80 travel offices across Canada, she says.

Vacation packages are a large part of P. Lawson's business, and because of that, King is able to offer University employees and their travelling companions a five-per-cent discount on all package holidays, cruises and tours.

The discount does not apply to air-

only arrangements, but if you are flying anywhere in North America, the agency will guarantee that you are getting the lowest applicable airfare available. Because P. Lawson is one of the largest travel companies in Canada, she says, it has access to some of the lowest airfares anywhere. The national reach of the company also ensures that anyone travelling in Canada through P. Lawson will have somewhere to turn to if problems arise.

In addition to helping travellers save money, says King, P. Lawson aims to save them headaches as well. Whatever arrangements need to be made — an overnight business trip, a lengthy holiday or a group tour — "our job is to make it easy." On-campus customers don't even have to come to the office to pick up tickets — they can be delivered through campus mail.

The agency even has something to offer people who don't actually plan to travel themselves — gift certificates they can give as presents to someone else. On campus, travel certificates are popular gifts for graduations and retirements, and for staff recognition, says King.

P. Lawson Travel can be reached at Ext. 8540. 0

CIBC offers new service on campus

There is more to the Canadian Imperial Bank of Commerce subagency in the University Centre than the three busy money machines, says branch manager Georgia Beingsner. The unit is a satellite operation of the bank's 23 College St. branch, with a resident officer in charge and a number of important services available to customers.

The CIBC maintained full banking facilities in the centre until September 1983 when most of its functions were transferred to College Street. Three cash machines remained on campus, open throughout University Centre hours.

In addition, however, there is a counter area that is open daily from 1 to 3 p.m. where clients can buy foreign drafts, money orders and travellers cheques. Payment for these is made via computer through the customer's branch office. Bank books can be updated at the counter, and staff are available to advise on the purchase of Canada Savings Bonds and RRSPs.

This semester, for the first time, the

centre office is also offering the services of a qualified personal loan and mortgage officer. Anyone wishing to take advantage of this service should make an appointment with Beingsner at 824-6520. 0



The instant tellers at the Canadian Imperial Bank of Commerce are just one of the services the subagency offers.

Serving of University

University Centre hours

More than just a pharmacy



Pharmacist Salim Surani gives a student advice on vitamins.

Guelph probably has one of the most secure pharmacies in the world. When the Canadian Imperial Bank of Commerce moved out of its old location in the University Centre in 1983, the Centre Pharmacy moved in. And pharmacists Salim and Nevine Surani now use the bank vault that came with the lease to store many of their drugs, including narcotics.

Like the bankers before them, the Suranis are part of a service industry — but they're serving health needs rather than financial ones.

Although a large part of a pharmacist's job is dispensing drugs, Salim Surani believes he has an advisory role to play that is just as important. He describes the pharmacy as a "drug information centre," a place where people can get information on the medication that other health professionals have prescribed for them. "There are many drugs

the needs the community

uses variety of services

around the house of which people have very little understanding," he says. "I would be happy to talk with customers about these drugs, and clarify for them each drug's effects and side effects."

A new computer system in the pharmacy allows for reliable record keeping and computer analysis of drug treatment, another safeguard in the complicated world of prescription drugs, says Salim. He also notes that the system frees himself and his staff from routine chores, giving them more time to talk with customers about health-related matters.

The Suranis are committed to their 24-hour-a-day responsibilities as pharmacists. Regular hours at the pharmacy are 9 a.m. to 6 p.m. weekdays and 11 a.m. to 4 p.m. Saturdays. The couple can also be reached at home in emergencies for dispensing or advice at 836-7262. "No one has abused the (emergency) system," says Salim, "and we think that the importance of the correct use of pharmaceuticals is great enough to emphasize this aspect of our responsibility as pharmacists."

The pharmacy handles all drug plans, including the University's staff, faculty and student plans. Because the pharmacy pays the University a commission on each prescription it fills as part of its lease, faculty and staff who have prescriptions filled at the pharmacy are, in the long run, turning money back into the University.

Most prescriptions ordered at the pharmacy are guaranteed delivered to either the office or home on the same day if phoned in by a doctor or brought in in person. Drugs not on the shelves or special orders will usually be delivered by the next day.

Salim says he guarantees the lowest price in Ontario on contact lens solutions and vitamins. He also offers discounted prices on diabetic supplies not covered by drug plans. These are just some of the dividends, he says, in dealing with the Centre Pharmacy. The pharmacy can be reached at 837-1760. 0

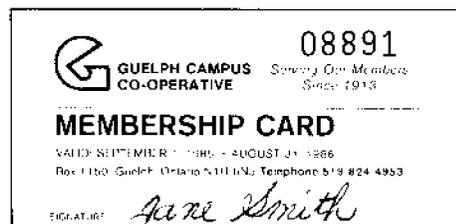
Membership means ownership at the Co-op

The Guelph Campus Co-operative has served the University and Guelph communities since 1913, offering members three bookstores, food services, a gift shop, a card shop, a pharmacy, student housing and member investment programs.

You don't have to be a member to use the Co-op's services, says Susan McPherson, member and staff relations co-ordinator. But as a member, you are entitled to receive an immediate coupon rebate at the Campus Bookstore, Physical Sciences building; the Co-op Shop and Co-op Centre Pharmacy, University Centre; the OAC Tuck Shop, Johnston Hall; the East Residence Variety, East Residence; the Co-op Bookshop and Notes & Quotes at the Stone Road Mall, Guelph; the Bookseller, Eaton's Centre, downtown Guelph; and Notes & Novels,

Cambridge (Galt). The coupons may be used to buy merchandise at any of the Co-op's retail and food outlets.

Member rebates are directly related to the net income of the co-operative and are therefore subject to revision by the board at any time, says McPherson.



Members are also entitled to take advantage of investment programs, attend monthly board of directors' meeting, vote at the annual meeting and run for a position on the board of directors when a vacancy occurs.

Details of membership and member rebates are available at the stores and the central office, 824-4953, care of the Campus Bookstore. 0



The Campus Co-operative.

Where hairstyling is a personal message

University Hair in the University Centre is owned and managed by Mike Papaioannou, holder of more than 40 awards for hair design. He is a recent Ontario champion, and was a bronze medalist at last year's New York International Styling Show. He also teaches hair design, and is a coach and judge at competitions.

For Papaioannou, hair design is an "exciting business," where innovation "is the order of the day." His five operators regularly attend workshops to keep up with the latest hair styling trends and to follow up on new ideas. They don't, however, force their ideas on clients, he says, because "hair fashion is a personal thing. The best styles are generally the result of good rapport between stylist and client."

Many of University Hair's customers are students, but the salon caters to faculty and staff as well. It provides a variety of lines in shampoos, conditioners and hair-sprays, and offers monthly specials in perms, hennas and cuts for both men and women.

Papaioannou says he's grateful for the patronage of the University community and



Personal service at University Hair.

he looks forward to many more years of service.

University Hair (Unisex) is open Monday to Wednesday from 9 a.m. to 6 p.m., Thursday and Friday from 9 a.m. to 8 p.m. and Saturday from 9 a.m. to 4 p.m. Appointments can be made at 836-0071. 0

Briefly

THE DEPARTMENT OF AGRICULTURAL Economics and Business has established the Donald McQ. Shaver Award for Entrepreneurship, to identify students with entrepreneurial potential. Eight prizes will be awarded, ranging in value from \$50 to \$1,000. Candidates must be registered students at Guelph and must notify the department of their intent to enter the contest by Feb. 19. They must submit a report by Feb. 26, identifying a product and/or service and its marketing potential. Shaver will be available in Room 326, J.D. MacLachlan building, from 10:30 a.m. to 5 p.m. Wednesdays and Thursdays throughout January to discuss proposals. For applications, contact Joan Sephton, Room 315, J.D. MacLachlan building.

A NUTRITION STUDY on support networks for breast-feeding women by Prof. Elizabeth Miles, Family Studies, and master's student Judy Kitching, seeks first-time mothers who are breast feeding to answer a confidential mailed questionnaire. For more information, telephone Ext. 2428.

THE DEPARTMENT OF MUSIC needs volunteer ushers for upcoming events. If interested, contact Melody Hohenadel at Ext. 3144.

THE GUELPH chapter of the Association of Faculties of Agriculture in Canada and the Office of Educational Practice are sponsoring a teaching evaluation workshop Feb. 21 at 1:30 p.m. in Room 103, University Centre. The workshop will feature a presentation by psychology professor Harry Murray, University of Western Ontario, and a panel discussion.

THE HUMANITIES Association will meet Jan. 29 at 7:30 p.m. at 3 Caledonia St. Judith Colbert, director of marketing and publicity for the Guelph Spring Festival, will give an illustrated talk on the opera "The Lighthouse" by Peter Maxwell Davies, which will be performed at the festival this year. Cost of admission for non-members of the association is \$2. For more information, telephone 824-7329.

Sports

The annual Guelph Open wrestling tournament is Jan. 25, with university wrestlers from across Canada and the United States participating. The tournament begins at 9 a.m. in the Athletics Centre; the finals begin at 8 p.m. Admission is free.

The women's volleyball team won the Carleton invitational tournament on the weekend, defeating Queen's, McGill, Ottawa Aevo and Brock.

The men's hockey team, which lost to Wilfrid Laurier and Windsor last week, plays host to Windsor Jan. 26 at 3 p.m. at the Victoria Road arena. 0

THE SECOND ISSUE of *Carousel*, a literary/arts magazine published by the University of Guelph arts community, will be on sale in the University Centre courtyard Jan. 29. Copies are also available in Room 243 of the centre. The magazine invites submissions of poetry, fiction and art essays.

THE APICULTURE CLUB meets Thursdays at 5:10 p.m. in Room 200, Graham Hall. All members of the University community and the general public are invited to attend. On Jan. 23, guest speaker David Mitchell will discuss "Migratory Beekeeping in Ontario." For more information on meetings or club activities, contact Zhiyong Huang, Ext. 8548 or 763-0797, evenings.

A FREE LECTURE offering advice on the Foreign Service examination and interviews — the entrance competition for Canada's diplomatic service — is Jan. 27 at 7:30 p.m. in Room 412, University Centre. In the 90-minute session, Barry Yeates, president of Foreign Service Examination and Career Counselling Inc., explains the nationwide competition and its criteria, previews tests and interview questions, discusses the work of Foreign Service officers, and outlines strategies and guidance to improve performance on the exam, which is scheduled for October 1986. For more information, contact Yeates at 613-232-3497.

THE FIRST performance in the Department of Music's winter noon-hour concert series is Jan. 23 and features harpsichordist Ilton Wjuniski. Born in Brazil, Wjuniski is the recipient of many prizes and awards, including the 1985 Pro Musicus Foundation Sponsorship Award. He has performed in Europe and South America, and in 1984/85 gave his first tour in North America. He was recently appointed professor of harpsichord at the Claude Debussy Conservatory in Paris. At 12:10 p.m. in Room 107, MacKinnon building, Wjuniski will perform "Walsingham" (22 variations), "Prelude" and "Fantasia in A" by William Byrd, and "In Nomine X" and "Walsingham" (30 variations) by John Bull. Program II at 1:10 p.m. will consist of "Toccata Decima" and "Cento Partite Sopra Passacagli" by Girolamo Frescobaldi, and "Sonata XI in C minor" by Benedetto Marcello.

FOOD SERVICES is holding its fourth annual St. Valentine's Dinner/Dance Feb. 15 in Creelman Hall. Cocktails are at 6 p.m., dinner is at 7 p.m., and dancing to the music of Opus II begins at 9 p.m. Tickets, at \$50 a couple, are available at the University Centre box office and Food Services, Drew Hall.

THE COLLEGE of Social Science Alumni Association is holding a reception for the CSS '86 graduating class Jan. 23 at 5:30 p.m. in the Faculty Club, Level 5, University Centre.

Scholarship deadline Jan. 31

The deadline for applications for the University School of Rural Planning and Development's 1985-1986 graduate scholarships is Jan. 31.

The school is offering three scholarships, valued at up to \$15,000, to graduate students in any program on campus who plan to carry out field work in a developing country. Decisions will be announced March 1.

For more information, contact Prof. David Douglas, director of USRPD, Ext. 2151. 0

Job opportunities

As of *at Guelph* deadline Jan. 17 the following opportunities were available:

Analyst 1, Systems Development and Coordination, Computing Services. Salary range: \$22,195, minimum; \$27,744, mid-point; \$33,292, maximum; normal hiring range: \$22,195 to \$26,079.

Staff Analyst, Ontario Veterinary College Computer Group. Salary range: \$32,324, minimum; \$40,406, mid-point; \$48,487, maximum; normal hiring range: \$32,324 to \$37,982.

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

Secretary, Medical Services. Salary range: \$270.64, minimum; \$308.87, job rate (level 5); \$380.47, maximum.

Porter, Residences (South); consequential vacancy. Job rate: \$9.52 per hour; probation rate \$.20 per hour lower than job rate.

Supervisor II, Reserve, Library. Salary range: \$390.60, minimum; \$453.79, job rate (level 5); \$564.74, maximum.

Head Baker, Food Services. Salary range: \$11.13 per hour, start; \$13.52, job rate.

Production Control Photographer, Illustration Services. Salary range: \$306.03, minimum; \$333.79, job rate (level 5); \$401.34, maximum.

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

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

Graduate news

The final oral examination of Kathleen Maureen Kovacs, Zoology, a candidate for the Doctor of Philosophy degree, is Jan. 23 at 3 p.m. in Room 168, Botany and Genetics/Zoology building. The thesis is: "Maternal Investment and Early Behavioral Development in Harp (*Phoca groenlandica*) and Grey Seals (*Halichoerus grypus*). Kovacs' supervisor is Prof. David Lavigne.

Interested members of the University Community are invited to attend. 0

Personnel offers staff development courses

The employment services and training office of the Personnel Department is again offering a winter program of staff development workshops and classes.

For women interested in advancing their careers, there is a one-day workshop Feb. 21 on "Career Planning/Goal Setting for Women." Workshop leader is Lynda Pinnington of Pinnington Associates, a Cambridge, Ontario-based consulting firm that focuses on applied productivity improvement techniques.

Career advancement is also the focus of a Feb. 25 workshop on "Resume Writing and Interview Preparation" with David Brown, assistant manager of employment services and training.

For staff in supervisory positions, management consultant Stephen Baetz, a principal of LIVE Consultants Inc., will lead workshops on "Making Meetings Work" March 24 and "Applied Situation Leadership" March 31. Supervisors may also be interested in the Feb. 19 seminar "A Passion for Excellence," which examines the question of how "excellence" can be achieved and maintained. The seminar consists of a videotaped presentation by Tom Peters, co-author of *In Search of Excellence* and *A Passion for Excellence*, followed by a discussion led by Cal Swegles, manager of employment services and training.

A three-part series on financial planning for retirement will be led by Prof. Kathleen Brown, Family Studies, author of *Personal Finance for Canadians*. The first session May 12 focuses on "How Your Financial Situation Changes at Retirement and How to Plan Accordingly." On May 14, the topic is "What to do With Your RRSPs, Various Investments and Insurance, and Some of the Major Tax Implications." The series ends May 16 with "Estate Planning and the Impor-

ance of Putting Your Affairs in Order."

Three courses are being offered this winter through Computing Services. "Information Technology in the Workplace," with Phil Jones, user support services, provides an overview of what's available on campus in the areas of computing and communications. The course consists of three afternoon sessions March 25, 27 and 31. "Microcomputer Concepts," geared to people with little or no knowledge of computers, offers information on the components of a small computer system. Instructors for the three-part course, which runs April 3, 4 and 7, are Jones, Madge Brochet, and Marg Dowling, user support services. Jones will also conduct an afternoon seminar April 8 on "Expert Systems," a branch of artificial intelligence.

A 10-week program on learning how to recognize and deal with stress is being offered through the Relaxation and Biofeedback Research Clinic in the School of Human Biology. The program begins Feb. 6.

Norm Hinds, fire division chief, Safety and Security, will again conduct a number of sessions in cardio-pulmonary resuscitation at the heart-saver level. Participants who successfully complete the half-day course will receive Ontario Heart Foundation certification. Sessions are scheduled for April 14, 15, 16, 17 and 18.

Registration for all courses begins Jan. 23. Except for the CPR sessions, registration is on a first-come, first-served basis. Applicants for CPR training will be selected in keeping with attempts to ensure adequate skills distribution throughout the University community.

Employment services and training supports the costs of all programs, except the course on stress. To register, telephone Ext. 3058 or 3059. 0

Saturday courses for gardeners

Guelph is offering a series of Saturday courses for gardeners. "Bedding Plants" and "Hydroponics" will encourage year-round gardening, and "The Total Landscape," a new three-part series, will ensure a well-rounded gardener conic spring.

A Feb. 1 course on bedding plants will show that all you need to get them started is a set of indoor growing lights or greenhouse space. Also on Feb. 1, "Hydroponics" covers such basics as plant anatomy and nutritional development, and how to build a hydroponic system, for people who'd like to produce their favorite plants and vegetables year round.

Three consecutive lectures in "The Total Landscape" series can be taken separately or as a package. In "The Hard Landscape" Feb. 1, landscape architect Gary Freeburn focuses on the design and function of patios, paths, walks and fences in the urban, residential landscape.

On Feb. 8, Pat Tucker, head of the Grounds Department, discusses "The Low Maintenance Landscape." Tucker will show how to avoid the typical work-intensive landscape of large lawn areas and foundation plantings with the creative use, care and culture of shrubs, perennials and ground covers.

The series ends Feb. 15 with a discussion of "The Natural Landscape" by Frank Kershaw, director of the Toronto Parks Department. Co-author of *Wildflower Gardening in the Great Lakes Region*, Kershaw says growing wildflowers can give great insights into the preservation of plants through observation and experimentation.

For more information on these courses, contact Continuing Education, Room 160, Johnston Hall Ext. 3957. 0

Jazz appreciation course

Ragtime, swing, bebop and blues! Anyone with an interest in jazz will have a chance to learn more about the history of jazz styles and musicians at a Continuing Education evening course being offered on campus by musician John Zadro. The course, "Jazz Appreciation and Improvisation," begins Feb. 6.

"A great many people think they know something about jazz," says Zadro, "but few of them realize just how big it has become worldwide." He sees his course as an entertainment experience, one in which a little structure will go a long way to get people involved. Recordings, films and piano demonstrations of many of the jazz "greats" will supplement lectures on the history of the art. An optional trip to Toronto to hear some of the best jazz that city has to offer is also planned.

No previous musical experience is needed for the course, says Zadro, nor is it necessary to know anything about jazz. For more information, contact Continuing Education, Room 160, Johnston Hall, Ext. 3957.0

Awards



The School of Hotel and Food Administration recently presented two major awards. At left, Monika Helbig of Burlington receives the Hudson's Bay Co. Scholarship from Roger Smith of Hudson's Bay Co.



Student Daniel MacKeigan, Clinton, receives the Dorothy Shantz Memorial Scholarship from Arnold Somerville, representing the Canadian Hospitality Foundation.

Herb Rauscher, Illustration Services.

Next Week at Guelph

THURSDAY, Jan. 23, 1986

Pathology Seminar - SAMOYED HEREDITARY GLOMERULOPATHY, A MODEL FOR ALPORT'S SYNDROME, 11:10 a.m., Path 220.
Exhibition - WORKS OF CRAFT, Macdonald Stewart Art Centre, continues to Feb. 16.
Concert - ILTON WJUNISKI, harpsichord, 12:10 and 1:10 p.m., MacK 107.
Worship - SCRIPTURE STUDY, 1:10 p.m., MacK 313; THE CATHOLIC APPROACH, 4:10 p.m., UC 335; SEEING THE BIBLE WHOLE, 5 p.m., UC 332; SHARED PRAYER, 5:10 p.m., Chapel, UC Level 5; COMMUNITY DROP-IN, 6 p.m., UC 335.
Apiculture Club - MIGRATORY BEEKEEPING IN ONTARIO, David Mitchell, 5:10 p.m., Graham Hall 200.
CSRC - CONVERSATIONS FOR ESL STUDENTS, 7 to 9 p.m., register at Lib Information Desk.

FRIDAY, Jan. 24, 1986

Worship - CATHOLIC MASS, 8:10 a.m., Chapel, UC Level 5; FACULTY CHRISTIAN FELLOWSHIP, noon, JH 151; MUSLIM CONGREGATIONAL PRAYERS, 12:30 p.m., UC 533; CHINESE CHRISTIAN FELLOWSHIP, 7 p.m., MacK 1 17A.
Instructional Development Workshop - CONSTRUCTING VALID MULTIPLE CHOICE ITEMS, 9 a.m. to noon, register Ext. 3522.
Volleyball - MEN & WOMEN VS. ALUMNI, 7:47 p.m., AC, students \$1, regular \$2, families \$3.

SUNDAY, Jan. 25, 1986

Worship - CATHOLIC MASS, 10:10 a.m., PCH; UNIVERSITY BIBLE STUDIES, 10:15 a.m., PS 105; ECUMENICAL CAMPUS MINISTRY (Anglican, United, Presbyterian), 10 a.m., UC 103.
Sunday Afternoon Walk - SNOWSHOE WALK, 2 p.m., Nature Centre.
International Cinema - SMALL CHANGE (France) 8 p.m., PS 105, \$2.
Praise Rally - TRANSFORMED LIFE IN CHRIST, 8 p.m., Creelman Hall.

MONDAY, Jan. 27, 1986

Instructional Development Workshop - THE VIDEO PROJECTOR, noon, register Ext. 3522.
Seminar - TUTSIM, A MICROCOMPUTER-BASED SIMULATION LANGUAGE, Gore Mittal, 3:10 p.m., Eng 112B.
Worship - CATHOLIC MASS, 5:10 p.m., Chapel, UC Level 5.
Continuing Education - RESIDENTIAL LANDSCAPE DESIGN, Gary Freeburn, 10 weeks, 7 p.m., register Ext. 3957.
Lecture - HOW TO GET INTO THE FOREIGN SERVICE, Barry Yeates, 7:30 p.m., UC 412.

TUESDAY, Jan. 28, 1986

Instructional Development Workshop - INTELLECTUAL DEVELOPMENT: CHALLENGE AND SUPPORT, 10 a.m. to noon, register Ext. 3522.
Our World - THE VOICE OF THOSE WHO ARE NOT HERE, 12:10 p.m., UC 442.
Worship - CATHOLIC MASS, 12:10 p.m., Chapel, UC Level 5; SCRIPTURE ALIVE, 4:10 p.m., UC 335; YOU REALLY BELIEVE THAT? 5 p.m., UC 332.
Lecture - FUNDAMENTAL PHYSICS WITH A SINGLE TRAPPED PARTICLE, Gerald Gabrielse, 4 p.m., PS 113.
CSRC - WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359; STRESS SERIES: RIDING THE ROLLER COASTER, 6 p.m., register at the Connection Desk, UC Level 3, by 4 p.m.
Continuing Education - THE WONDER OF BIRDS, Sandy Middleton, 5 weeks, 7:30 p.m.; INTERMEDIATE CONVERSATIONAL SPANISH, 10 weeks, 7 p.m., register Ext. 3957.

WEDNESDAY, Jan. 29, 1986

Worship - ANGLICAN HOLY COMMUNION, noon, Chapel, UC Level 5.
Concert - BOWSER & BLUE, noon, UC courtyard.
Biochemistry Seminar - CYANOGENESIS IN PLANTS, Ingrid Tober, noon, PS 222.
Seminar - HEALTH COMPLAINTS AND SICKNESSES OF WORKERS EMPLOYED UNDER CHRONIC HEAT STRESS, 12:10 p.m., HB 108.
CSRC - LEARNING WORK STYLES, TESTING SESSION, 1 p.m., register Connection Desk; COMMUNICATIONS WORKSHOP, 5 p.m., register Connection Desk by 3 p.m.; WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359.
Art Tour - ASPECTS OF THE PERMANENT COLLECTION, Judith Nasby, 2 p.m., Macdonald Stewart Art Centre.
Continuing Education - CONVERSATIONAL SPANISH II, 10 weeks, 7 p.m., register Ext. 3957.
Film - BEVERLY HILLS COP, 7 and 9 p.m., Mac Hall 149, \$2.50.
Theology from Experience - POSSIBILITY AND LIMITS OF EXPERIENTIAL THEOLOGY, Gregory Baum, 7:30 p.m., UC 335.
Humanities Association - ILLUSTRATED TALK ON "THE LIGHTHOUSE," Judith Colbert, 7:30 p.m., 3 Caledonia St., \$2 non-members.

THURSDAY, Jan. 30, 1986

Guelph Campus Co-operative - INFORMATION MEETING, noon, UC Courtyard.
Instructional Development Workshop - DOs AND DON'Ts OF CAI, noon, register Ext. 3522.
Concert - CHALUMEAU, string quartet and clarinet, 12:10 and 1:10 p.m., MacK 107.
CSRC - INTEREST TESTING SESSION, 1 p.m., register Connection Desk.
Worship - SCRIPTURE STUDY, 1:10 p.m., MacK 313; THE CATHOLIC APPROACH, 4:10 p.m., UC 335; SEEING THE BIBLE WHOLE, 5 p.m., UC 332; SHARED PRAYER, 5:10 p.m., Chapel, UC Level 5; COMMUNITY DROP-IN, 6 p.m., UC 335.
Continuing Education WINE APPRECIATION I, Ron Subden, 11 weeks, 7 p.m.; CONVERSATIONAL SPANISH I, 10 weeks, 7 p.m., register Ext. 3957.

The following abbreviations are used in "Next Week at Guelph": AFS = 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; J = Johnston Hall; HB = Human Biology; AC = Athletics Centre; Lib = McLaughlin Library; BG&Z = Botany-Genetics-Zoology.



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