

Please do not Remove!

Housing shortage facing fall students

The deteriorating Guelph housing situation will have a profound effect on the university this fall semester, with between 300 and 600 students still looking for accommodation by registration. The lack of off-campus student housing is directly connected to a general scarcity of housing in the city, explained A.W. McInnis, Director of Residences.

He noted that because of high mortgage rates, those who used to rent their premises "are getting out of the renting business and selling their property." Another factor is the attractive location of Guelph vis-a-vis Toronto. Commuters are settling in many of the new subdivisions and Guelph residents who might have moved cannot afford the higher housing prices. This is particularly applicable to those Guelph residents living in the downtown sections of the city which contain older, but extremely large homes. When sold, these houses are often converted into apartments, but with fewer sales, the predictable result is fewer apartments.

Just how acute is the problem? Assistant Director of Residences J.A. Eccles, said there is a sharp increase in the number of students desiring residence accommodation this year compared with the previous Fall.

He noted that at mid-August a year ago, about 2,000 senior students had accepted rooms in residence. By May 15 of this year, over 2,200 seniors had been placed in residence, and with places reserved for 1,760 freshmen, the university's 3,900 beds were snapped up by mid-May. Students who applied late will have a lengthy wait. There are 400 people on the residence waiting list.

The increased demand for residence space is related to the lack of housing within the city. Off-Campus Housing Officer Mrs. Barbara Hoddson said listings for rooms and apartments are very poor. Advertising through the radio and newspaper has met with little success to date, and help from service clubs has not provided substantial results, she said. Landlord response to her enquiries concerning the avail-

ability of apartments was extremely poor. In fact, most of the larger apartment owners did not reply.

Fred Hutchinson, Guelph Campus Co-op Housing Manager, said that his 68 apartments have been filled for the fall semester. Many students took out a year's lease instead of an eight-month agreement, resulting in an extremely low turnover. He estimated the turnover from a year ago at less than 20 per cent. There are 146 applicants on a waiting list for apartments, said Mr. Hutchinson.

Similar difficulties are evident at Wellington Woods, the university's married students' residence located on Stone Rd. Last year at this time there were 36 vacancies for the fall semester; this year that figure has been slashed to a meagre 12. There are between 150 and 200 applicants on the waiting list for the 140 — unit complex.

The university is taking several temporary measures in an effort to alleviate the problem. University officials are currently negotiating with St. Joseph's Hospital for the use of a former nursing residence while students in large double rooms at Johnston Hall are being asked to triple-up on a voluntary basis. City hotels and motels have been approached but their lowest rates would be beyond the financial capabilities of most students. The possibility of mobile homes was investigated but the cost was prohibitive. The use of railroad sleeping cars parked on an unused siding was also explored, but the Guelph depot does not have facilities for steam or electricity.

Mr. McInnis stressed that any help faculty and staff could provide would be greatly appreciated. He added that such help would probably only be required for the fall semester since the expected decrease in winter semester enrolment would lessen the problem and the total community would then accommodate everyone.

Mr. McInnis noted that only three variables

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NEWS BULLETIN

UNIVERSITY OF GUELPH

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\$144,000 grant for OVC research

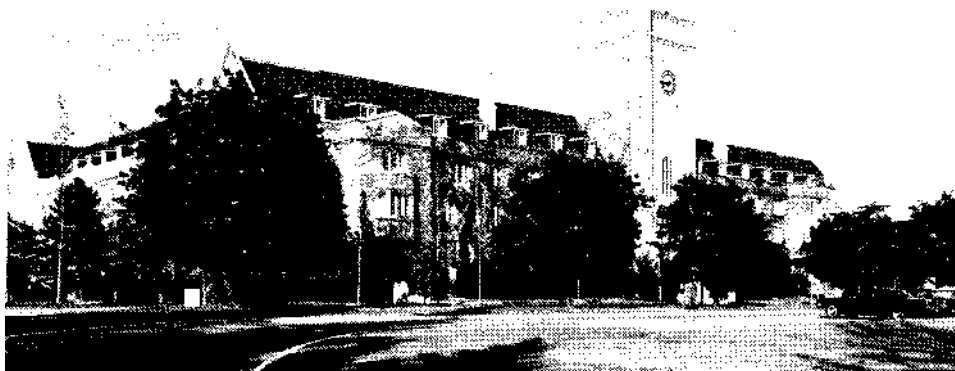
Ontario Veterinary College research on the disease that is the greatest single impediment to the livestock industry in Africa has received a boost from a \$144,000 grant. The two year grant comes to the University of Guelph from the International Development Research Centre for studies of the disease, *Trypanosoma congolense*.

The parasite is transmitted by the tsetse fly and has existed in Africa for centuries. However, it has now developed to the point where it is almost impossible to raise cattle in more than four million square miles of the African continent.

Unsuccessful past efforts to control the disease have ranged from drug treatment of infected cattle to spraying of pesticides and clearing of bush areas to try to control the tsetse fly. Wild animals which are sources of infections in some areas have sometimes been exterminated in an attempt to control the disease. A major international effort has now been launched to control the parasite so that livestock supplies can be increased.

The Guelph research is concentrated on the hematological and immunological responses of cattle to the infection, and according to Professor D.G. Ingram, associate dean, research and resources, is showing results that look promising.

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Department of Residences officials are asking students at Johnston Hall to voluntarily triple-up this semester in an effort to alleviate the expected housing shortage. Similar action was taken in the fall of 1945.

Rapid computerized catalogue system aids library research

Rapid advances in science and technology have created a growing mountain of printed information. Keeping up with the literature, even in a narrow field of interest, can be a gargantuan task, devouring precious hours of research time. Computer techniques have revolutionized these time-consuming but essential activities.

McLaughlin Library offers two methods of computerized literature searching which save time while providing broader coverage of the literature. One method, a retrospective search of the literature, can yield a list of references tailored to the users specific areas of interest. The other method, a "current awareness" file, provides the subscriber with a weekly, bi-weekly or monthly "scan" of the literature in relevant subject areas.

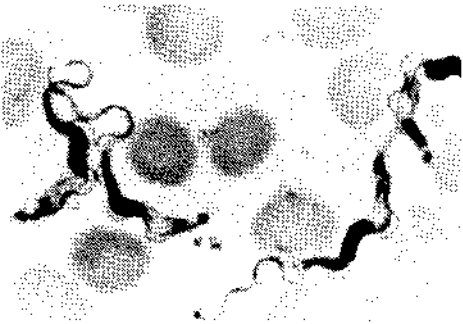
Both information retrieval systems give Guelph users access to such abstracting and indexing data base as the U.S. National Agricultural Library, U.S. Government Reports Announcements, the Geological Reference File, the Educational Resources Information Center, Science Citation Index and Social Science Citation Index. These abstracting services are re available in machine readable form, which enable

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In addition to research on campus, OVC pathology professor G.J. Losos is working in Kenya, in charge of the African side of the project. His work at the East African Veterinary Research Organization is designed to train African specialists for future work.

The IDRC grant is part of a major international effort recently launched to control the parasite. IDRC interest started three years ago when a representative of the organization became interested in work being carried out then by Professor A. Soltys and Dr. Patrick Woo, who is now a member of the Zoology Department faculty.

The work initiated by these two researchers is now coordinated by Professor Ingram. Professor I.R. Tizard, Veterinary Microbiology and Immunology; Professor V.E.O. Valli, Pathology; Dr. A. Kobayashi, Veterinary Microbiology and Immunology and Dr. J.C. Forsberg, Clinical Pathology, are involved in the work.



Trypanosoma, an organism which results in the death of thousands of African cattle each year, here magnified 1000 times.

computerized storage and retrieval of information.

In order to take advantage of the current awareness file, the subscriber and the reference librarian prepare a profile which describes his areas of interest. The profile consists of key words, titles, source authors or cited authors, combinations of which can be used to pinpoint references. The user agrees to pay the fee and subscribe to the service for a period of a year. During this time, the profile can be broadened or narrowed to better represent the subscriber's interests.

Mrs. Ellen Pearson, Head of Special Information Services and Documentation Centre, says that setting up the user profile is the key step in successfully using this computer technique. In constructing the user profile she may spend several hours with the user, determining the combination of words and phrases that will best represent his interests. She tries to make the initial profile more general than required so that important references will not be overlooked. A built-in feedback system enables the user to determine which terms are supplying the usable references and which terms retrieve "junk," thus allowing him to revise the profile.

This current awareness system is designed to alleviate regular literature scanning activities. Because the data bases encompass such a spectrum of references, this system will introduce users to sources which are new or unfamiliar to him.

The retrospective literature search also requires a user profile and in addition it involves on-line contact with the computer terminal. Mrs. Pearson demonstrated the technique in a recent search conducted for Dr. Harvey Robbins, a Guelph Zoology graduate who is now on the faculty at Cambrian College of Applied Arts and Technology. His on-line enquiry compiled a bibliography on wildlife management for the library at the college. Presenting the computer with selected words and phrases in the previously prepared profile, Mrs. Pearson and Dr. Robbins were able to determine how many pertinent references were available. The computer actually "replied" to each enquiry by printing out a numerical tally of the references described in the enquiry.

The retrospective literature search, known

as "on-line retrospective searching" or "on-line enquiry," is available from several abstracting services. This literature searching service is invaluable to researchers in all fields for it gives access to a much broader base of literature sources.

These two services have been offered by the library for about six months and word of them is spreading by satisfied users. Mrs. Pearson suggests that interested faculty members talk to her or any of the reference librarians about the possibilities and limitations of computer literature scans.

Named AIC fellow



Professor L.R. Webber was named a Fellow of the Agricultural Institute of Canada during the annual meeting of the Institute in Quebec City last week. He thus joins a select list of agrologists who have been accorded the coveted honor.

Professor Webber, a member of the faculty of the Department of Land Resource Science for 33 years, initiated research projects in environmental quality many years before these became popular. He has been involved in many such projects on campus, often as part of a team of researchers involving faculty members from other departments as well as his own.

The citation accompanying the award noted that this work had resulted in great improvement in land and water management practices as well as in handling of livestock waste, in chemical pollution control, and in agricultural and urban waste recycling programs.

A native of Victoria County, Professor Webber graduated from the Ontario Agricultural College in 1939 and taught secondary school for two years before joining the faculty of the Soils Department at OAC. He received a Master of Science degree from Cornell University in 1948.

University Centre — Administration building

University departments and groups are starting to move into the University Centre — Administration building. Check the schedule below for the effective relocation dates.

Department of Student Affairs	August 19
University Centre Administration	August 19
Radio Gryphon	August 19
Department of Psychological Services	August 21
Department of Career Planning and Placement	August 21



Philosophy professor Jakob Amstutz and German professor Renate Benson examine the recently published Basic Spoken German Grammar by Professor Amstutz, J. Alan Pfeffer, Hubert P. Heinen and William H. Snyder. The book, published by Prentice-Hall, will be used in university introductory courses. Accompanying tapes are being prepared for the use of people who wish to study German at home.

CAMPUS BRIEFS

Appointment

Professor D.G. Howell, Dean of OVC, has been appointed to the newly created Canadian Agricultural Research Council. This new federal research council will be generally responsible for the coordination and establishment of priorities for agricultural research in Canada. The Council is expected to have its first meeting in the fall. The membership of the Council reflects both the federal and the provincial responsibilities for agricultural research in this country.

Visitor

Dr. Anne M. Gounot, of the Department of Plant Science, University of Lyon, France, was a recent visitor to the Department of Microbiology. She discussed topics relating to northern studies and soil microbiology with several faculty and staff members. Her special interest is in microorganisms found in ice and she was particularly interested in the Department's research efforts on nitrogen fixation in the sub-arctic.

PUBLICATIONS

Wensler, Rita J., Crepuscular activity of adult *Sericothrips geminata* (Coleoptera Scarabaeidae): influence of circadian rhythmicity and light intensity. *N.Z.J. Zool.* 1: 197-204, 1974. (Zoology)

Wensler, Rita J., Sensory innervation monitoring movement and position in the mandibular stylets of the aphid *Brevicoryne brassicae*. *J. Morph.* 143: 349-364, 1974. (Zoology)

Smith, G.J.D., and D.E. Gaskin. The diet of harbour porpoises *Phocoena phocena* (L.) in coastal waters of Eastern Canada, with special reference to the Bay of Fundy. *Can. J. Zool.* 52 (6): 777-782, 1974. (Zoology)

Campbell, G.C. and I.L. Nonnecke. Inheritance of an enhanced branching character in the tomato *Lycopersicon esculentum* Mill. *Journal of American Society of Horticultural Science*, 99 (4): 358-360, 1974. (Horticulture)

Forster, R.R., 1974. Future Needs in Rural Land Planning: The Biophysical Component. *Notes on Agriculture*, Vol. X, No. 2, 23-24. (Landscape Architecture)

Forster, R.R., Planning for Man and Nature in Nation Parks. *International Union for Conservation of Nature and Natural Resources*, IUCN Publications New Series No. 26. 85. (Landscape Architecture)

Grants awarded

Professor D.E. Gaskin, of the Department of Zoology, has been awarded grants totalling \$11,000 for studies of harbour porpoise behaviour and population dispersal in the Bay of Fundy using radio telemetric methods. The National Research Council is supplying \$8,000 for the project, while the remaining \$3,000 is from the Fisheries Research Board of Canada.

HOUSING

Continued from page 1

exist in the student housing problem: on-campus housing, off-campus housing, and student enrolment. A visit to city hall by residence officials confirmed that the off-campus situation will not improve in the immediate future, and high mortgage interest rates coupled with high construction costs makes residence construction a high economic risk. The remaining variable is enrolment, which may need to be constrained.

The lack of rental housing for students will also affect Guelph residents looking for accommodation. Fred Promoli, executive director of the local Children's Aid Society and Family Counselling Service, recently stated that social problems and domestic troubles are compounded when families experience housing difficulties. These difficulties are further aggravated by competition from students, many of whom take low-income housing which might otherwise have been used by some of these families.

FACULTY ACTIVITIES

Professor John Leatherland, Zoology, recently returned from a visit to England and Kenya. He attended the spring meeting of the Society for Endocrinology held at the Zoological Society in London and visited a number of zoology departments of English universities for purposes of collaborative research. He was an invited speaker at the 7th International Symposium of Comparative Endocrinology which was held in Tsavo National Park, Kenya. In his paper he examined the evolution of pituitary gland morphology and function in fishes.

Professor Weldon Findlay, Agricultural Economics & Extension Education attended the seminar on civic design held at Victoria Inn in Stratford recently.

Professor Lawrence J. Mazlack, Computing and Information Science, presented a paper on macro vs micro pattern development at the Second International Joint Conference on Pattern Recognition in Copenhagen, Denmark, one of three Canadians to give a paper at the international conference. Professor Mazlack is studying artificial intelligence, pattern recognition, stochastic art, computational linguistics and multi-access path large data base structures.

Professor D.W. Stanley, Food Science, presented a paper entitled, "The New Pork as Food," to the Canadian Home Economics Association convention in Vancouver. The paper was co-authored by Professor W.R. Osborne, Animal and Poultry Science.

NEXT WEEK AT GUELPH

THURSDAY, AUGUST 15

Exhibitions — OAC CENTENNIAL EXHIBITION OF PHOTOGRAPHY AND ARTIFACTS and HIGHLIGHTS FROM THE PERMANENT COLLECTION OF CANADIAN ART, McLaughlin Library until September 15; 19TH CENTURY HAND TOOLS, Arts building until September 5.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Cable 8 at 6:15 p.m.

FRIDAY, AUGUST 16

Worship — MUSLIM JUMA PRAYER, 1 p.m. in Arts 313.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Cable 8 at 5 p.m.

SUNDAY, AUGUST 18

Conference — INTERNATIONAL AGRICULTURAL STUDENTS MEETINGS, until August 24.

Worship — PUJA, sponsored by the Hindu Cultural Society, 11 a.m., 8th floor lounge Arts; Student Christian worship, 9:30 a.m., 9th floor lounge Arts; Muslim Zuhr Prayer and Quranic discussion, 1 p.m., 9th floor lounge Arts, open to all.

MONDAY, AUGUST 19

Training Course — ORIENTEERING LEADERSHIP DEVELOPMENT, until August 24.

TUESDAY, AUGUST 20

Meeting — BAHAI CLUB, 9 p.m., Arts 132, fireside.

JOB OPPORTUNITIES

Custodian 3, Housekeeping Department, Starting rate: \$3.36. Six month job rate: \$3.72.

Library Assistant, Stack Maintenance, Library, Salary Grade 1, Salary Range: \$78 to \$102.

Library Co-ordinator, O.V.C. Branch, Library, Salary Grade 3, Salary Range: \$93 to \$123.

Stenographer, Horticultural Science, Salary Grade 2, Salary Range: \$85 to \$112.

Secretary, Cultural Affairs, Arts, Salary Grade 4, Salary Range: \$103 to \$136.

Keg Manager, University Centre, Salary Grade 7, Salary Range: \$135 to \$178.

Technician 1, Consumer Studies, Salary Grade 5, Salary Range: \$112 to \$148.

Programmer/Analyst, Geography, Salary Grade 8, Salary Range: \$146 to \$194.

Stenographer, Chemistry, Salary Grade 3, Salary Range: \$93 to \$123.

Stenographer, School of Agricultural Economics and Extension Education, Salary Grade 2, Salary Range: \$85 to \$112.

Technician 11, Microbiology, CBC, Salary Grade 6, Salary Range: \$123 to \$163.

Programmer/Analyst — Department of Geography

The Department has wide ranging research and teaching interests involving computing in both human and physical geography. Applicants must have a working knowledge of either FORTRAN or PLI with at least one year's experience. The job entails the design and implementation of application programs often employing large quantities of data for faculty and graduate student research, and for undergraduate teaching. Consideration will be given to applicants with a good geography background and a facility for programming, as well as to experienced programmers in other disciplines. On the job training will be provided for the successful applicant in areas deemed necessary. The closing date for applications is October 1, 1974, although applications to begin employment early in 1975 will be considered.

For further information please see bulletin board or call Extension 3058 or 3059.

The News Bulletin is published every Thursday by the University of Guelph's Department of Information. News items must reach the Information Office, Room 361, McLaughlin Library, in writing by noon Friday. Articles and news items may be quoted or reproduced in full.

NEWS BULLETIN

UNIVERSITY OF GUELPH

PERSONALS

FOR SALE — Boy's 5-speed bike, 822-5282; kitchen table with 4 chairs and two wooden chairs, Roger at Ext. 3326 or 821-4521; '72 Suzuki Motorcycle, Gary at Ext. 8312 or 821-2254; electric guitar and amplifier, 6-string guitar, Isabel at Ext. 3464; '73 Maverick 2-door, 822-2757; registered Appalouosa mare, Ext. 2521 or 821-9146; Sony stereo music system, 823-2313; Baby crib, 824-6278; '69 Dodge station wagon and camper which fits on top, Ext. 3808 or 824-5146; 4-drawer dresser, 821-3884; non-adjustable dress form, size 14, 821-8243 after 6 p.m.; '70 Volkswagen fastback, new engine, Sam at 3236; blue Divan with matching bolster, Ext. 3317; men's 10-speed bike, Ext. 3464; antique sale, Aug. 24, R.R. 2, Mildmay, call 824-6478 after 7 p.m.; '71 Pontiac Laurentian, V-8, 2-door hardtop, 823-5567.

HOUSING — 3-bedroom furnished house for rent close to university, available January—August, '75, Ext. 2488 or 821-7117; raised bungalow in university area, 821-7242; for rent, university area, one-bedroom executive style apartment, utilities included, 821-1184 after 4:30 p.m.; 2-bedroom apartment for rent on Conroy Cres. available Sept. 15, Ext. 8534 or 823-5573.

MISCELLANEOUS — Wanted to buy — 12 cu. ft. freezer, Marilyn at Ext. 3864; wanted to buy — small freezer, Isabel at 3464; wanted — ride to Hamilton Teacher's College beginning this September, 821-5924.



Fine art student Margaret Sheridan joined amateur and professional flower designers at the Flowers Canada Floral Design School, sponsored every summer by the Department of Horticultural Science and Flowers Canada Inc. She took the course because of her interest in design.

Postage-Paid-In-Cash At Third Class Rates Permit 721, Guelph, Ontario.