

Honors to four at spring Convocation

The University of Guelph will have the opportunity to honor two of its own educators, a best-selling author, and a woman who has dedicated much of her life to children and youth, during four days of spring Convocation ceremonies Tuesday, 78 05 30, to Friday, 78 06 02.



Dr. McCready.

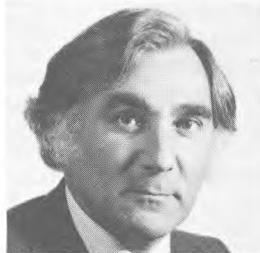
Margaret McCready

Dr. Margaret S. McCready, former dean of Macdonald Institute, will be named a Fellow of the University of Guelph, Tuesday afternoon, 78 05 30.

For almost 20 years, from mid-1949 to December, 1968, Dr. McCready served as Principal and Dean of Macdonald Institute, providing leadership to the College through its post-war growth period. Her predecessor, Dorothy (Lindsley) Walden, initiated the four-year degree program at Macdonald Institute, but it was Dr. McCready who guided the College through the growth and development of that program.

Dr. McCready oversaw the planning and building of the "1953 wing" of Macdonald Institute to help meet the needs of the expanded academic program. She also sought a broader base of background and experience within her faculty, appointing individuals from outside the traditional "home economics" area, including the first male faculty members. By the time of her retirement, Macdonald Institute had grown to be the largest and most widely recognized program of its kind in Canada.

Not content to rest on her laurels, Dr. McCready accepted an appointment as acting chairman of the home science department at the University of Ghana in 1969, serving for two years. Her appointment there preceded by a year the establishment of the Guelph-Ghana co-operative project, a fruitful undertaking in international development between the University of Guelph and the University of Ghana.



Dr. Axelrod.

Herbert Axelrod

Best-selling author and successful publisher, Herbert R. Axelrod, will receive an honorary Doctor of Science degree at the afternoon ceremony Wednesday, 78 05 31.

A graduate in genetics, Dr. Axelrod has become the best-known tropical fish expert in the world with numerous volumes to his credit, including "Tropical Fish as a Hobby" which is now in the ninth printing. He has discovered six formerly unknown species of fish.

Because few publishers would agree with Dr. Axelrod that more books on tropical fish would sell, he began publishing his own soft cover editions in 1952, and T.F.H. Publications, which he heads, now specializes in the pet field. The firm offers some 500 titles, printing 20 million copies annually, in addition to the monthly magazine "Tropical Fish Hobbyist," the most widely read magazine in its field.

Dr. Axelrod has written 16 texts on ichthyology, as well as 30 works about the tropical fish hobby, and hundreds of popular and scientific articles.

As a scientist-explorer he makes regular trips to the far corners of the world, and has collected rare specimens on every continent for the United States National Museum (Smithsonian Institute) in Washington. Last year, he was honored with the Smithsonian Silver Medal for his ichthyological endeavors and for the establishment of the TFH Fund.

Margery King

Dr. Margery King, who recently retired as executive director of the Canadian Council on Children and Youth, will receive an honorary LL.D. degree Thursday afternoon, 78 06 01.



Dr. King.



Dr. Newbould.

A graduate of the University of Western Ontario and the University of Toronto, Dr. King worked for a number of years as a research psychologist with particular emphasis on children. In 1954, she acted as conference organizer for the 5th International Conference on Mental Health. The following year, she was invited by UNESCO to assist in establishing the International Institute for Child Study in Bangkok.

Since 1955, Dr. King has been prominent in Canada in various bodies concerned with mental health services and with the provision of services for children and youth.

Dr. King has served successively as executive director, Canadian Mental Health Association; director of education and training, Canadian Mental Health Association, and executive director, Canadian Council on Children and Youth, which she was active in founding. In addition, she served from 1965 to 1970 as senior staff member of the Commission on Emotional and Learning Disorders in Children. In that position, she was largely responsible for the designing, directing, and writing of the report "One Million Children," which has received international recognition.

Frank Newbould

Dr. F.H.S. Newbould, recently retired from the Department of Veterinary Microbiology and Immunology, will be made a professor emeritus Friday, 78 05 02, at 10:00.

An internationally recognized authority on mastitis of dairy cattle, Dr. Newbould has contributed significantly to the research programs of OVC with resultant benefits for dairymen, not only in Ontario but in a much

Continued on page 2.

Campus Fund kickoff

Solicitations on behalf of the 1978 Campus Fund will commence this week, co-chairmen Professors Cliff Barker of Clinical Studies and Elizabeth Upton of the School of Hotel and Food Administration, have announced. The campaign will run until the end of June.

This year, in order to increase scholarship funding and library purchases, the Fund committee has raised its objective. The co-chairmen report that last year gifts from faculty and staff totalled \$38,812 which, when added to the Alma Mater Fund, brought the total amount of donations to \$201,522, the highest return in the nine-year history of the annual Fund.

The co-chairmen are confident a higher goal can be achieved with the support of many new donors and the continued support of former contributors.

"The success of the Campus Fund will encourage alumni to respond to the general alumni appeal which begins in September. Giving together annually we can contribute to the quality of education on campus and attract good students to Guelph which could be an important factor in the light of the forecasted decline in university enrolments," add Professors Barker and Upton.



A LIGHT LEFT ON
IS ENERGY GONE

HONORS TO *Continued from page 1.*

wider sphere. Under his supervision, a separate herd of dairy cows was established at OVC exclusively for mastitis research. Prof. Newbould was often called on to deliver papers based on his research at international conferences.

Frank Newbould graduated from OVC in 1936, and for a number of years operated a private laboratory. He next went to the Connought Laboratories of the University of Toronto, and in 1946, was appointed to the faculty of the OAC, lecturing in bacteriology. In 1954 he joined the faculty of the OVC and began his research into prevention and control of mastitis.

In addition to his work as a faculty member at OVC, Dr. Newbould spent a two-year period as a visiting scientist at the National Institute for Research in Dairying, Shinfield, Reading, England, and a term as visiting professor at the School of Veterinary Medicine, University of California, Davis.

Dr. Newbould has been a member of the National Mastitis Council (Washington, D.C.) since its inception, and a member or chairman of several of its sub-committees.□

Over the last decade, continued contributions to the Campus Fund and the associated Alma Mater Fund have helped many campus projects. In addition to scholarships and library acquisitions, these include the visiting professor program, Arboretum development, London House, the music program and capital projects such as War Memorial Hall improvements and renovation of the south wing of Macdonald Institute. A complete summary of 1977 Fund allocations appears in the current issue of the "Guelph Alumnus."

For the Campus Fund drive, the payroll deduction plan will be available commencing Saturday, 78 07 01. Cheques may be made payable to the University of Guelph Alma Mater Fund and should be forwarded to the Department of Alumni Affairs and Development.

Staff Association Supports Fund

The University of Guelph Staff Association's membership has unanimously approved participation in the 1978 Campus Fund, says Association president, Cal Hutchins. Representing office, clerical and technical support staff, the Association has a membership of approximately 800.

Association members Richard Gingerich and Peggy Harvey, who have been appointed deputy chairmen of the Campus Fund, will co-ordinate the staff solicitation which will begin in mid-June.□

Professor Douglas A. Riggs

Funeral services were held Thursday, 78 05 11, for English Professor D.A. Riggs, a highly respected teacher whose contributions date back to his 1945 appointment to the OAC English faculty. He taught students from nearly every degree program on campus and authored two widely used manuals, a guide to public speaking, and the undergraduate style sheet.

Prof. Riggs was a graduate of the University of Western Ontario and the Ontario College of Education and took his M.A. from Columbia University. He came to this campus after service as an RCAF navigator in World War II, and later served as Commanding Officer of the University Air Training Plan from 1952 to 1961.

Prof. Riggs edited the "OAC Review" and the "Alumni News" from 1955 to 1961 and was faculty advisor and editor of "The Associate Diploma Yearbook" from 1957 to 1962. He had been supervisor of the graduate student teachers in the Department of English and served as administrative assistant to the department chairman from 1960 to 1975.

The family of Prof. Riggs has requested that In Memoriam contributions go to the United Appeal or the Hospital for Sick Children.

University Canada

Some 4,000 volumes that constituted Lord Bertrand Russell's personal library, along with some domestic memorabilia, have arrived at McMaster. This was the third and final delivery of the Russell holdings that McMaster bought a decade ago, released following the death of Lord Russell's widow in January. The collection also includes the copyright to all unpublished Russell material, whether at McMaster or not. * * *

The new president of Wilfrid Laurier University is to be Dr. Neale H. Tayler, who has been its academic vice-president since 1972. Dr. Tayler succeeds Dr. Frank C. Peters who retires at the end of July after 10 years as president of the University. Dr. Peters will be among five people to receive honorary degrees at the University of Waterloo's 1978 spring convocations Thursday, 78 05 25.

* * *

Paul Coté, president of Argus Installations Ltd., has been elected chancellor of Simon Fraser University for a three-year term from 78 06 01. Mr. Coté is a member of the SFU Board of Governors and its past chairman. He succeeds current Chancellor Jack Diamond. * * *

University of Windsor professor, D.F. Barnett, has been appointed senior economist and chief policy advisor to the U.S. President's Council on Wage and Price Stability. Dr. Barnett's expertise in the steel industry and its trigger price system qualified him uniquely for the position which would normally be filled by a native American. * * *

University of Waterloo students will study the conflict in Northern Ireland first-hand this summer through a credit course offered by Conrad Grebel College. The July course, to be held at the Glencree Reconciliation Centre near Dublin, will be taught by people involved in the conflict. Students will examine the violent and non-violent alternatives to resolving the bitter feud. * * *

Opening ceremonies were held recently at The University of Alberta for a Slowpoke (safe low-power critical experiment) nuclear reactor facility, one of four in Canada. The reactors (also at the University of Toronto, Dalhousie and Ecole Polytechnique) are used to produce radioisotopes for use in medicine and for activation analysis, a process used in the identification of minute elements. * * *

The most comprehensive data bank of research on the Canadian prairies is now in operation at the Canadian Plains Research Centre at the University of Regina. The data bank contains information about more than 2,100 research projects related to Canadian Plains Studies in the areas of economics, sociology, geography, history, and the natural sciences.□

\$30,000 OUPID award

The University of Guelph has been awarded \$30,000 from the Ontario Universities Program in Instructional Development (OUPID). The funding, which is less than that received last year, reflects a 30 per cent reduction in the provincial fund.

Part of the grant will be set aside for projects and development work organized through the Office of the Co-ordinator of Teaching and Learning. Most of the balance will be allocated to new projects approved by the Committee on Teaching and Learning.

The Committee, which will administer the grant when it is received in July, invites members of the University community to submit proposals dealing with campus-wide teaching and learning problems.

Two areas, independent learning and writing ability, have been identified which particularly require attention, but proposals dealing with other areas will also be welcome. Contact Professor H.W. Chapman, chairman of the Committee, Ext. 2606 or Ext. 2670 or Professor G.A. Moore, Ext. 3107 before preparing any proposal. The deadline for submission of proposals is Monday, 78 06 12, at 16:00.

In the area of independent learning, proposals are sought for curriculum studies and pilot workshops which relate to the development of independent learning in the Guelph curriculum. In the area of writing ability, the Committee is interested in the development of written materials or a program of workshops to assist instructors in improving the writing skills of students.

The Committee will also maintain a program of small (less than \$1,000) grants for instructional development. Further details of this program will be available by Thursday, 78 06 01. □

Funding for language labs

The Ministry of Colleges and Universities, operating under the Federal-Provincial Program for the construction or improvement of Language Training Centres, has announced the award of a grant of \$12,000 to the University of Guelph.

Professor M. Andersen, Chairman of the Department of Languages, and President D.F. Forster have indicated that the funds will be used to improve facilities in the language laboratories. □

BRIEFLY

"JOG-A-LONG" — Four members of the advanced group of the noon hour Cardiovascular Club recently competed in the 5th Annual Burlington Road Race. The relay team of Professor Trevor Dickinson, Engineering, Professor Tom Bates, Land Resource Science, Dr. Greg Wall, Agriculture Canada, and Dr. Tony Whitworth, Vice-President Administration's office, completed the four-stage 15-mile relay race in a total time of 1 hour and 37 minutes. This placed them 6th out of 39 teams in their class. Members of the team encourage everyone to participate in the University's annual "Jog-A-Long" event Saturday, 78 05 27, at 09:30. Further details are available from Prof. Dickinson, Ext. 2435.

DO YOU SMOKE? — If you do, a master's student in Psychology, Rick Lindal, would like you to fill out a questionnaire that determines the types of situations in which you would most likely smoke a cigarette. Volunteers are asked to go to Room 216 of the Old Engineering building from 12:30 to 15:30 during the week. An appointment can be made by telephoning Ext. 8310.

BLUE JAYS GAME — Tickets are still available for the Blue Jays game in Toronto Wednesday, 78 05 24. Make reservations at the Central Box Office, Ext. 3940.

NIGHT AT THE RACES — Reservations for the University of Guelph Alumni Association's "A Night At The Races" at Flamboro Downs Thursday, 78 06 08, should be made by Tuesday, 78 05 23. The \$13.00 ticket includes parking, a tour of the backstretch, admission to the clubhouse, a racing program, and dinner. One race will be named in honor of the Alumni Association and a blanket will be presented to the winner.

A RETIREMENT PARTY — to honor Professors L.A. McDermott, Microbiology, and A.J. Musgrave, Zoology, will be held at the Cutten Club on Friday, 78 05 26. A cash bar will be available at 18:30 followed by a buffet dinner at 19:30. The cost is \$10 per person. Please purchase tickets before Friday, 78 05 19 from Professor R.E. Smith, Microbiology, Ext. 3813 or P. Woo, Zoology, Ext. 3581.



In the kitchen, Mrs. Margaret Bridle.

A touch of tradition

Clinking china cups and saucers, starched white table linens, and colorful flower arrangements embellish the sense of occasion and ceremony at Guelph's traditional Convocation teas.

The immaculately uniformed waitresses, so deftly serving the graduates, their families, friends and members of the University community are "backstage hands" as well as "actors." They must quickly change from an apron or white smock, worn in the kitchen while preparing the refreshments, to the more formal gold uniform for serving the tea, coffee or juice from behind tables in Creelman Hall.

"There is a great deal to do," says Mrs. Mary Pryor, who has prepared Convocation teas for over a decade. "We start making sandwiches at 06:30, then we serve at the morning tea, clean up, and begin to prepare again for the afternoon tea."

Spring Convocation ceremonies this year, Tuesday, 78 05 30, to Friday, 78 06 02, will include seven Convocation teas. The ladies are planning for 600 people for each tea and 1,400 for the final one on Friday.

They are well-organized, says Mrs. Pryor. "Some of the women have worked on the teas for years. Mrs. Margaret Bridle has helped prepare teas for over 30 years."

The ladies show a detectable pride in the fact that the teas have changed little over the years. The varied pinwheel and checker sandwiches are still made from scratch, fresh daily, all 2,400 of them and it is still delightfully difficult to make a decision when choosing from so many kinds of squares and cookies. □



Serving in Creelman Hall, Mrs. Helen Burjoski.

CBS Honour Roll

Thirteen students have been named to the College of Biological Science Honour Roll for the winter, 1978. Seven students are receiving the award for the first time, five for the second time and one for the third time.

They are:

Semester 5 — Anna Lippert of Kitchener, 86.8 per cent, Pre-Vet.

Semester 6 — Margaret Tchir of Sault Ste. Marie, 85.8 per cent, Unspecialized and Peter MacDonald of Thunder Bay, 87.0 per cent, Human Kinetics, both for the second time.

Semester 7 — George Zafir of Cote St. Luc, Montreal, 87.6 per cent, Unspecialized; Sara-Elizabeth Wiesenbergh of Frankford, 86.6 per cent, Biology, for the second time and Nancy Barton of Van Kleek Hill, 85.8 per cent, Microbiology.

Semester 8 — Blaine Welch of Downsview, 87.4 per cent, Microbiology; Christine Thomson of Ottawa, 86.8 per cent, Zoology, for the second time; Janet Vermeer of Grimsby, 86.4 per cent, Botany for the second time; Dario Romani of Sault Ste. Marie, 86.2 per cent, Major Biology/Minor Computer, for the third time; Gail Pauling of Scarborough, 85.8 per cent, Major Biology; Catherine Bernaerts of Toronto, 85.2 per cent, Major Biology, and Brian McBride of Whitby, 85.0 per cent, Ecology.

Semester abroad program will continue this fall

One way to build enthusiasm in a group of students is to take them abroad and introduce them to some of the best-known writers and professionals in their chosen field. This is what happened last fall when the University's School of Landscape Architecture initiated its Semester Abroad Program by sending Professor R.R. Stoltz and 13 senior students to London.

Because they were foreign students and because they were lucky enough to be in Europe at the right time, the students were exposed to some of the most successful landscape architects in the world, and were given the opportunity to see, first hand, how they practise their profession.

One of the real benefits to studying landscape architecture overseas is in taking the students out of a southern Ontario context and exposing them to different types of cultures and a new perspective to urban planning, says Prof. Stoltz.

"Most of Guelph's landscape students come from rural areas of Ontario where we are still living in the pioneer ethic. Only in parts of Toronto can you begin to see what happens in European cities," he says. "The idea of a rapid change from rural to urban opens their eyes. It gives them a new concept of land use and how people react to the urban situation."

The Semester Abroad Program began with a three-week tour of West Germany and The Netherlands where the students were hosted by the Dutch Ministry of Agriculture and Fisheries and by several members of the German Society of Landscape Architects. The students viewed ongoing work and completed

landscape projects. The Europeans are justly proud of their accomplishments in landscape architecture, remarked Prof. Stoltz, and are eager to show off their work.

After a week's holiday, the group met in London for the beginning of the scheduled semester. The program included four courses which were designed to expose students to both historic British landscapes and current professional work. They took courses at local schools and completed two independent study projects. Their topics ranged from landscape design for the handicapped and disabled to the pedestrianization of cities, urban infill, historic landscape elements and the "temporary" landscape.

Two women students were given the opportunity to monitor a large townhouse construction project. They probably learned more from that "on-the-job" experience, says Prof. Stoltz, than from earlier textbook construction courses.

The maiden program has given the School of Landscape Architecture a number of good project papers for use in future classes, and has encouraged administrators to continue the semester in London. This fall, Prof. Stoltz will accompany a group of about 15 Guelph students, plus several students from the University of Toronto. They will no doubt benefit from the contacts made during last year's program.

The number of professional landscape architects is relatively small, even on a world-wide scale, and communication between practising landscape architects is frequent. This makes it possible to offer students "a

real-life dose of landscape architecture in various countries," says Prof. Stoltz. "It makes them broader-thinking students and helps to make them more employable," he adds. □

Computer hours

Beginning with the weekend of 78 05 20, the following hours of computer operation will be in effect.

	Time-Sharing	Batch
Saturday	11:00-16:30	12:30-16:30
Sunday	10:00-16:30	10:00-16:30

Computer operations will be closed on Monday, 78 05 22 for the Victoria Day holiday. Operations will also be shut down on Saturday, 78 06 03 and Sunday, 78 06 04 for the installation of the new Amdahl V/5 computer.

From Monday, 78 06 05, the Amdahl system will be available for the following hours:

	Time-Sharing	Batch
Monday-Thursday	08:00 -02:00	08:00-02:00
Friday	08:00 -22:30	08:00-22:30
Saturday	11:00-16:30	12:30-16:30
Sunday	10:00-16:30	10:00-16:30

Sigma Xi award to Prof. Ormrod



Professor Douglas P. Ormrod, Department of Horticultural Science, will receive the 1978 Guelph Sigma Xi award. The award, made annually by the Guelph Chapter of Sigma Xi, recognizes excellence in research.

Prof. Ormrod's research is concerned with the effects of air pollutants, such as ozone and sulphur dioxide, on plants. He has co-ordinated a diversified research effort in the Department of Horticultural Science which has investigated air pollution in relation to different types of ornamental plants, turf grasses, and cash crops such as beans and tobacco.

The award lecture, "Crop Damage Associated with Environmental Stress," will take place Thursday, 78 05 25, at 16:00 in Room 105 of the Physical Sciences building. It follows the annual meeting of the Guelph Sigma Xi chapter at 15:30 in Room 101 of the Physical Sciences building. The official presentation of the award will take place that evening at the annual banquet at the Cutten Club at 18:30.

The Guelph Sigma Xi Chapter seeks to encourage and recognize excellent scientific research. To this end the Chapter makes two annual awards, one to a faculty member, and the other for the outstanding graduate thesis of the year. □

Good response to experimental videotape presentation

Audio visual technology enabled 30 Grade 12 students from Lindsay, Ontario, to tour the Guelph campus without ever leaving their high school. A videotaped presentation about the child studies major in the Department of Family Studies was produced for the annual mini-guidance program at Lindsay CVI. Audio Visual Services, the Department of Family Studies, and the liaison group in the Registrar's Office worked together to produce and present the program.

The videotape presented interviews with several faculty members, scenes of the campus and student life, a look at the university experience and a close look at the child studies major in the College of Family and Consumer Studies.

Don Brown, Secondary School Liaison Officer, and Les Richards, Audio Visual Services, participated in the session in Lindsay. Following a talk by Mr. Brown, and the videotape showing, the students were able to talk directly to Professor Richard Barham, chairman of the Department of Family Studies, on a conference call. The students asked questions into a microphone and received immediate feedback about the child

studies major and the university experience in general.

The students were impressed with the presentation and especially with the telephone hookup to the department chairman. In letters written to the Registrar's Office, the students said the videotape was "up-to-date, informative, and interesting." One student concluded from the presentation that the faculty must be "really concerned about new students." Another commented that the telephone hookup was personal and effective.

School principal Arthur Truax told the Lindsay Post that the University of Guelph had the most unique presentation of the 21 programs offered in the mini-guidance series.

Encouraged by the positive reaction to the experiment, faculty in the College of Family and Consumer Studies plan to produce similar videotapes for all the majors in the College. The technique provides an effective, economical way of exposing many Ontario high school students to the Guelph campus and its academic programs. □

New metric signs did not slow us down on the highways

You can relax if you are one of those people who thought the highway metrication program might create more accidents by confusing drivers. Roadside observations directed by Professor Michael Matthews, Psychology, indicate that most drivers do not seem to worry about "thinking metric" because they typically ignore speed limit signs.

Prof. Matthews reports that people tend to drive at a speed they find comfortable, regardless of the law, and 80 per cent of all drivers seem to prefer a speed which exceeds the legal limit. Twenty per cent drive more than 10 miles per hour above the speed limit. These observations hold true for four types of highways surveyed by Prof. Matthews's research team — a four-lane major expressway, a four-lane rural highway, an urban highway, and a two-lane city street.

On the day following metrication, the research team noted a significant decrease in mean speed and an increase in the variability of speeds. Within a week, however, traffic was again travelling at the normal pre-metrication speed. Follow-up surveys have also failed to show any effect of metrication on mean speed. There is also no evidence to suggest that some drivers are mis-reading the km/h signs in terms of a direct m/h equivalent.

While Prof. Matthews's survey quiets the fear that metrication might affect highway safety, it raises some interesting questions concerning metrication and speed limit enforcement. On some highways, metrication has resulted in a slight increase or decrease in the legal speed limit, but there has been no corresponding change in the mean speed of traffic using these highways. The proportion of drivers violating the speed limit is therefore greater on highways where there has been a reduction in the legal limit and smaller on highways where the legal limit has been increased. Drivers' failure to respond to these changes is further evidence that the regulation of speed while driving is more than just a simple matter of responding to posted speed limits.

The metrication survey is just part of an ongoing program of studies conducted by Prof. Matthews and Professor L. Cousins, also of the Department of Psychology. The overall objective of the program is a better understanding of the relationship between the perception of speed and driving performance. Previous studies have indicated that drivers seem to maintain speed on the basis of motion and other cues from the environment rather than by repeated reference to the speedometer and posted speed limits.

The strongest of these environmental cues, says Prof. Matthews, are noise and peripheral vision; both of which are directly related to the size of the automobile. People who drive large cars do not experience as much road and engine noise or roughness in ride as do small car drivers. Because the driver of a

large car sits farther from the windshield and has a longer hood out in front, his peripheral vision is also reduced, says Prof. Matthews. He cites Highway 401 as an example where the average speed for large cars is four to five miles per hour faster than the average speed for small cars.

Prof. Matthews bases his conclusions on studies which asked both large and small car drivers to duplicate a set speed without benefit of a speedometer. Drivers of small cars were more accurate than drivers of large cars throughout the entire speed range but were more susceptible to the disruption of auditory information when they were asked to wear ear plugs.

The strength of environmental cues is further illustrated by observations on the

Hanlon Expressway connecting Highway 401 and the City of Guelph. Drivers coming off Highway 401 have been accustomed to a faster speed and so they violate the Hanlon Expressway speed limit twice as often as do drivers heading for Highway 401.

Prof. Matthews will be continuing the project again this summer. He will be looking at the frequency of accidents involving large cars as compared to small cars to determine whether speed perception may be identified as a contributing factor in accidents. Volunteer drivers will also be recruited for studies on speed estimation and the perception of velocity at night.

Anyone who would like to participate in the study may volunteer by calling Prof. Matthews, 2164, or Prof. Cousins, Ext. 2104. □

College of Arts honors list

Forty-one students have been named to the first College of Arts Dean's Honors List for fall, 1977.

They are:

English — Mary Beaudette of Niagara Falls, semester 7, 80.6 per cent; Eric Bolton, Weston, semester 7, 80.2 per cent; John Elmslie, Guelph, semester 7, 81.8 per cent; Joan Flaherty, Guelph, semester 5, 81.2 per cent; Graham Henderson, Mississauga, semester 8, 81.0 per cent; David Hoselton, Guelph, semester 3, 80.6 per cent; William Kennedy, Burlington, (with combined History), semester 9, 80.2 per cent; Kimberley Lamont, Guelph, semester 3, 80.2 per cent; Jane Peek, Guelph, semester 6, 80.4 per cent; Neil Randall, Guelph, semester 4, 83.0 per cent; John Switzer, Guelph, semester 7, 82.8 per cent and Gretchen Timmins, Thornhill, semester 5, 81.6 per cent.

Fine Art — Thomas Guppell of Kitchener, semester 6, 80.6 per cent; Dianna Humphrey, Rutherglen, semester 7, 86.6 per cent; Dorothea Krause, Guelph, semester 3, 81.2 per cent; Janie Ravenhurst, Caledon, semester 3, 82.0 per cent.

History — Ian Campbell of Guelph, semester 7, 82.2 per cent; Peter Krats, Whitfish, semester 7, 81.8 per cent and Stephen Loree, Belwood, semester 5, 82.4 per cent.

Languages (French sector) — Jane Dinniwel of London, semester 5, 81.4 per cent; Sharon Grose, Mt. Albert, semester 4, 81.2 per cent; Peter Leslie, Rockwood, semester 6, 87.0 per cent; Jean-Pierre Pilaprat, Guelph, semester 6, 80.6 per cent; Marion Reid, Guelph, semester 2, 81.6 per cent; Wendy Stone, Guelph, semester 3, 80.6 per cent and Rita Van Aalst, Owen Sound, semester 7, 82.8 per cent.

Languages (Latin sector) — Donald Markle, Cambridge, semester 7, 82.8 per cent.

Music — Linda Drennan of Guelph, semester 5, 82.6 per cent; Mary Hollis Hallett of Bermuda, semester 5, 83.4 per cent and Naomi Norquay, Toronto, semester 5, 82.3 per cent.

Philosophy — Robert Calverley, Toronto, semester 5, 82.8 per cent; Hilary Jamnik, Brantford, semester 5, 82.2 per cent; Phyllis McCurdy, Dobbinton, semester 6, 81.8 per cent; Mark Quigley, Hamilton, semester 5, 81.6 per cent;

Mathematics — Mathilda Martens of Dashwood, semester 5, 80.6 per cent.

General Studies — Denise Barrie of Agincourt, semester 4, 80.2 per cent and Nancy Dickieson, Guelph, semester 3, 82.6 per cent.

Semester 1 — Denise Mohan of Guelph, 80.4 per cent.

Semester 2 — Elise Blum of Barrie, 83.8 per cent; Christopher Fung, Don Mills, 80.6 per cent and Beth Gorbet, Owen Sound, 80.0 per cent.

APPOINTMENT



Beryl Jefferies has been appointed to the position of manager of the Central Printing and Duplicating Department. Miss Jefferies assumed her new responsibilities Friday, 78 05 12, although she has been supervising the operation since the departure of her predecessor, Tim van Loenen, who left the University at the end of March.

Miss Jefferies has 23 years experience in the printing and duplicating field. She joined the University and the Central Printing and Duplicating Department in 1972 as a senior press operator and was subsequently promoted to the position of production supervisor in 1977.

Although as yet unconfirmed, John Mason, Director of Administrative Services, believes that Miss Jefferies is the first female to be appointed to the position of manager of a central printing and duplicating department at a Canadian university.

Towards a better apple

Because of University research in horticulture, school children may one day be handing the teacher a better-shaped, more tasty apple. They are already lunching on apples that were grown more economically and harvested at top quality through the use of University-tested growth regulators.

'Growth regulators' loosely refers to a group of organic chemicals which act like plant hormones to affect plant growth and behavior, explains horticulturist Professor B.J.E. Teskey. He and Dr. S.R. Miller of Agriculture Canada's Smithfield Experimental Farm, have recently written a Factsheet for the Ontario Ministry of Agriculture and Food which describes several of these regulants and makes recommendations for their use in commercial fruit orchards.

"They are marvelous tools for the farmer," says Prof. Teskey. "They enable the farmer to increase both the quality and yield of fruit at harvest time." He cites the example of MacIntosh apples, where a 30 per cent loss due to preharvest drop is quite normal. A wind storm just before harvest could increase that loss to 80 or 90 per cent, says Prof. Teskey, since graded fruit must be picked from the tree, not from the ground. "In today's farming venture, the fruit grower is working so close to the margin of profit that such losses cannot be tolerated," he explains.

Growth regulators have helped to cut preharvest drop of MacIntosh and other apples to only about five per cent. The judicious



Application of the correct hormone reduces the number of blossoms that "set," producing fewer larger sized apples without hand thinning.

grower will use one spray to speed up the maturation process on some trees and rely on another spray to slow down the ripening of others. Still a third regulant might be used just before drop to hold the fruit on the tree longer and improve the color for roadside sale. All of these regulators give the farmer a chance to spread out his harvest so that very little fruit drops before it can be picked.

Growth regulators have also reduced the need for expensive hand labor to prune the fruit trees and, later, thin the fruit. The OMAF Factsheet advises which regulators will help to bend the branches and open up the tree. Others, applied after flowering, will cause the weaker buds to drop off. "It improves size, color, and quality of the fruit, promotes regular annual bearing, reduces limb breakage and decreases grading costs," says Prof. Teskey. Still other chemical regulators can be used to control weeds in the orchard.

Prof. Teskey has recently been working at the University with another chemical, not included in the OMAF Factsheet, to increase the length to diameter ratio of Delicious apples. Like other growth regulators now in commercial use, this particular chemical has no effect on the flesh firmness or yield. All chemical regulants on the market have been thoroughly tested to make sure the fruit contains no traces of them, says Prof. Teskey. They are not poisonous, he adds, but are simply synthesized versions of naturally-occurring plant hormones.

The use of growth regulants in the orchard has not completely ruled out the effects of bad weather and the quirks of Mother Nature, admits Prof. Teskey, but they have given the farmer a tool to use in trying to avoid such natural disasters.

Growers and horticulturists interested in complete details on the use of growth regulators for fruit trees should write to OMAF and request the new Factsheet on "Growth Regulators in the Orchard." □

PERSONALS

Accommodation Available

For Rent — Three bedroom house on 10 acres, 4 miles from University, 821-2613; Three-bedroom bungalow on 10 acres near Lake Belwood, 843-4758; Three-bedroom house near campus, July 1 to mid-December, 2452.

For Sale — Four-bedroom semi-detached, University Village, as of end of August, 822-1938; One-bedroom condominium, Conroy Crescent, 8355; Two-bedroom house near University, 821-7985.

Accommodation Wanted — Graduate student wishes to exchange use of farm home near Goderich for family accommodation near Guelph for one year as of September, 1-519-524-8016.

Goods and Services — Lady needed to clean house one day per week, 821-0104; Lilliput Land Nursery School is accepting children 3 to 5 years for the fall, 824-9097; Will share ride from Mississauga to Guelph, daily, 2133.

GOLD MEDAL — Two Erin District High School students won a gold medal in the Canada-wide Science Fair in Sudbury last week. Brothers Ian and Trevor Haws were awarded the Youth Science Foundation gold medal in the senior life sciences division for their exhibit on tests of feeding stimuli in the piranha. They will go to the London International Youth Science Fortnight in London, England, in July and have an extra week travelling in Britain, the three week trip sponsored by Shell Canada. Ian, a grade 12 student, and Trevor, a grade 13 student, live at Windsong Farm, R.R. 1 Erin. They were award of merit winners in the Waterloo-Wellington Science and Engineering Fair in Guelph last month. That fair was sponsored by the Board of Education of the two counties in co-operation with the University of Guelph, the University of Waterloo, local Rotary clubs, area industries and organizations.

JOB OPPORTUNITIES

Custodian 2, Housekeeping. Job rate \$4.89. Probation rate \$.20 per hour lower than job rate.

Custodian 2, Housekeeping. Job rate \$4.89. Probation rate \$.20 per hour lower than job rate.

Custodian 1, Housekeeping. Job rate \$4.53. Probation rate \$.20 per hour lower than job rate.

Production Supervisor, Central Printing and Duplicating Department. Salary grade 009. Salary range \$230.45 - \$305.86.

Accounting Clerk, temporary, full-time, Curator of Art. Salary grade 004. Salary range \$148.68 - \$197.53.

Library Assistant, Kardex, Library. Salary grade 002. Salary range \$124.25 - \$161.42.

Clerk, School of Landscape Architecture. Salary grade 003. Salary range \$133.81 - \$178.42.

The French Immersion Association of Guelph requires two university students. Must be bilingual. Available from May 15 to August 18, 1978. Please submit applications to: Employment Committee, French Immersion Association of Guelph, 164 Maple Street, Guelph, Ontario, N1G 2G7, or call: 821-9574.

Groundskeeper, Grounds Department. Starting rate \$5.06. Job rate \$5.26.

Programmer/Analyst, Department of Geography. Salary grade 008. Salary range \$212.40 - \$281.43.

For further information please see bulletin boards or call Ext. 3058 or 3059.

Preventing

"playing hookey"

Members of the Ontario Association for Counselling and Attendance Services are meeting on campus next week. The 125 delegates from all over the province are involved in preventing what used to be called "playing hookey."

They will attend workshops on school phobia, behavior modification, child abuse and group counselling led by professionals from the new Child Services Division of the Ministry of Community and Social Services, the Canadian Council on Children and Youth and Family Court, as well as universities and boards of education.

During the four-day conference, which runs from Sunday, 78 05 28 to Wednesday, 78 05 31, the delegates will be entertained by the Meistersingers of Centennial CVI and a jazz group from Centre Wellington District High School. Thomas Wells, Minister of Education, will speak at the banquet.

Lillian Orban of the Hamilton Board of Education is first vice-president of the organization and chairman of the committee in charge of the event. Liaison and organization is being looked after by Jim Wilson, Dorothy Gordon, and Brent Gilbert of the Wellington County Board of Education. □

Effects of the shrinking \$\$\$\$\$\$\$\$\$

Devaluation of the Canadian dollar is putting an added burden on library and research budgets already under severe pressure. The "News Bulletin" talked with Mrs. Jean Hill, head of the serials division, McLaughlin Library; Professor W.E. Tossell, Dean of Research; and D.R. Dyson, assistant director, Purchasing, Administrative Services, to get a variety of perspectives on the problem.

Inflation, devaluation hit journals

"Journals are our main concern," says Mrs. Hill of McLaughlin Library. The majority of the 8,000 journal titles in the Library are from foreign countries.

During the 1970's, general inflationary increases raised the average price of the journals by 10 to 11 per cent a year. Devaluation has meant an immediate additional 'surcharge' of at least 10 per cent for the better part of the fiscal year. (The price of books, in comparison, remained static during the same period, but this year had an inflationary increase of approximately 10 per cent in addition to devaluation.)

Once subscribed to, journals must be maintained on an annual basis, and the number of titles grows each year. Because the value of a journal lies in having the complete set, it is not practical to postpone subscriptions and it would be considerably more expensive to purchase the volumes later, says Mrs. Hill.

For 1978/79, the Library is anticipating a further five per cent drop in the value of the dollar, plus the "usual" 10 per cent inflationary rise in the price of journals.

Cost of equipment hurts researchers

"Research in all disciplines depends greatly on journals and books, which are mainly imported, as is the highly specialized equipment required for scientific research," notes Prof. Tossell. "Because they are nervous about the stability of the dollar, some Canadian suppliers of American equipment now refuse to guarantee prices for more than 30 days."

Some researchers have not yet felt the full impact, says Dean Tossell. They are not always in the market for equipment and, for those who currently are, some items were imported before the dollar dropped so significantly in the autumn. It is, the professor points out, sometimes possible for researchers to get some money from their college or department to augment their grants.

University President D.F. Forster has just established a special fund of \$300,000 to help research in various ways, the Dean says. Of this, \$30,000 will provide additional support of outstanding graduate students and \$95,000 will help support activities in departments engaged in contract research. The remainder will be used to replace equipment and to contribute towards the purchase of new equip-

"In order to maintain a responsible balance in the acquisition program and cope with the situation, every new acquisition and existing title is questioned," Mrs. Hill says. Shortly the Library will send all the colleges a list of journals acquired at their request during 1976/77, show them how much of their portion of the library budget it is costing, and ask that they review the titles. Four years ago a similar procedure resulted in the cancellation of approximately 25 per cent of all titles. Librarians in the subject divisions also do reviews and conduct surveys on the amount of use a journal receives. However, the Library is somewhat limited by lack of manpower.

"We are also depending more heavily on cooperation with other universities, although inter-library loans can, in some cases, be expensive," says Mrs. Hill. "When another university, especially a neighboring one, has a title, its acquisition is questioned very closely. If a limit is not put on the allocation to journals within the library budget, there will be nothing left for the acquisition of new books."

ment when the full costs cannot be covered from the normal equipment allocations to colleges and/or research grants and contracts.

"This fund should help make up for devaluation in some cases," says the Dean, "as when a researcher finds himself short to buy a major piece of equipment which costs 10 per cent more than when he applied for his grant in the autumn. However, the cost of equipment, whether for undergraduate or for graduate student and faculty research purposes, is a serious problem. For example, the equipment in OVC alone is worth five million dollars and, as in all the colleges, some needs to be replaced. As it stands, the fund is a help, but certainly not a complete answer.

"We must impress upon contracting and granting agencies the necessity of more money for research," Dean Tossell says, noting that the University's analysis and planning experts are presently carrying out a study on the effect of inflation on the cost of operating supplies.

"Because research is not a high priority in the political sphere," he concludes, "it is up to researchers to convince the public and politicians that their work is relevant and does pay dividends."

Must purchase foreign items

As head of the Purchasing Department which handles virtually every item bought by the University, Mr. Dyson is in a unique, and unenviable, position to see the effects of the shrinking dollar on the entire University. "We are bound to suffer from devaluation," he says, "because Canada is not a manufacturing economy, so we must buy many foreign items."

Purchases handled by his department this year totalled approximately \$12 million dollars. Of this, Mr. Dyson estimates that goods worth about one half million dollars came directly from foreign sources, because they were unavailable in Canada. The remainder was purchased from Canadian sources, but probably 50 per cent of these goods were produced entirely or partially in foreign countries.

Mr. Dyson cautions that, because it is impossible to make clear cut distinctions between foreign and home-produced goods, 50 per cent is only a rough estimate. Canadian suppliers stock both Canadian and foreign goods. Even items manufactured in this country invariably have some foreign components, such as paper, which is made with imported production equipment, and photocopy equipment which uses imported parts.

"Because we have contracts for many commodities and are just out to tender now for the coming fiscal year, we have not yet fully experienced the results of devaluation," he says, "nor do we know what the general inflationary trends are. It is often not possible to distinguish between the effects of devaluation and general inflation."

The Department's main defense against devaluation is to establish long-term firm price commitments. Purchasing is exploring the possibility of grouping with other institutions to save through large volume purchasing. Departments at the University have benefitted from joint purchasing for years.

"People in the various departments are using our services more to help make the most astute buys. They are generally being more aware and careful, questioning whether a new purchase is necessary or an old item can be sold to help the budget," Mr. Dyson says. "But finally, if an article is necessary, no matter how much it has gone up, we have to pay the price." □

Next Week at Guelph

THURSDAY, 78 05 18

Guelph Spring Festival — THE MEISTERSINGERS, 12:15, Chalmers Church.

General Meeting — BAHAI CAMPUS CLUB, 17:00, Rm. 431, UC.

Videotape Presentations — TV ONTARIO, 09:00 to 17:00, 3rd fl. viewing room, McLaughlin Library.

G-OPIRG Film Series — DISASTER IN MICHIGAN, 12:10, Rm. 103, UC.

Conference — ALL IN THE FAMILY, Wellington County Medical Society. Continues to 78 05 19.

Worship — IMMANUEL FELLOWSHIP, 19:00, Rm. 335, UC.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, 19:00, Cable 8. Guest is the chairman of the Department of English, Professor G.D. Killam.

FRIDAY, 78 05 19

Guelph Spring Festival — THE MONTREAL SYMPHONY, 20:30, Athletics Centre.

Lecture — TOUT EN FAMILLE; QUEBEC AND NATIONAL UNITY, V.C. Goldbloom, Quebec's former Minister of the Environment and Minister of Municipal Affairs, 16:00, Rm. 105, PS bldg.

Conference — YOUNG PEOPLES CHRISTIAN REFORM CHURCH; BAPTIST YOUNG ADULT ENCOUNTER '78.

Worship — MUSLIM JUMA PRAYERS, 12:30, Rm. 533, UC.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, 17:00, Cable 8. Guest is Heather Hatch, assistant to the curator of art, speaking about the Vallotton exhibition.

SUNDAY, 78 05 21

Worship — CATHOLIC MASS, 10:00, Rm. 116-117, Crop Science bldg. Weather permitting, the service will be held outside; ZOHR PRAYERS AND QURANIC DISCUSSION, 13:30, 9th fl. Ig. Arts.

MONDAY, 78 05 22

Victoria Day — Classes cancelled.

TUESDAY, 78 05 23

Canadian Society of Asian Studies — EAST INDIAN DANCE DRAMA "AMBAPALI," 20:00, WMH.

WEDNESDAY, 78 05 24

Arboretum — EVENING EXCURSION, 19:00. Meet at the J.C. Taylor Nature Centre.

Canadian Society of Asian Studies — Film — SHASTRI INSTITUTE FILMS ON INDIA, 09:30, Rm. 231, Arts; Plenary, ASIAN STUDIES IN THE SCHOOLS, Prof. K.C. Tan, Dept. of Geography, 13:15, Rm. 107, Arts bldg; Film — VIETNAM, 15:00, Rm. 232, Arts bldg; Plenary, MODERN CHINESE ARCHAEOLOGY'S TWELVE MOST IMPORTANT DISCOVERIES, Prof. K.C. Chang, Harvard, 20:00, PCH.

THURSDAY, 78 05 25

Worship — IMMANUEL FELLOWSHIP, 19:00, Rm. 335, UC.

Canadian Society of Asian Studies — Plenary, THE CHINESE SOCIAL EXPERIMENT AND ITS RELEVANCE FOR ASIA, Prof. W.F. Wertheim, Amsterdam, 13:00, Rm. 107, Arts bldg; TRADITIONAL JAPANESE MUSIC, DANCE, TEA CEREMONY, 21:30, PCH.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, 19:00, Cable 8. Guest is Heather Hatch, assistant to the curator of art, speaking about the Vallotton exhibition.

Society for Asian Studies conference

Events "beyond the academic" will be offered to the general public during the 10th anniversary conference and symposium of the Canadian Society for Asian Studies to be held on campus Tuesday, 78 05 23, to Friday, 78 05 26.

The Indian dance drama "Ambapali" will be performed Tuesday evening, and the traditional Japanese music, dance and tea ceremony will take place Thursday (see "Next Week at Guelph" for details). Films on India and Vietnam will be shown on two occasions, while public displays and exhibitions of the University's Asian Studies Collection, as well as National Archives materials on Asian Canadians, will be featured in McLaughlin Library.

Three distinguished foreign guests will conduct plenary sessions. "Modern Chinese Archaeology's Twelve Most Important Discoveries," "The Chinese Social Experiment and its Relevance for Asia," and "Administrative Reform and Political Stability in India" will be discussed by professors K.C. Chang (Harvard), W.F. Wertheim (Amsterdam), and S. Maheshwari (of the Indian Institute of Public Administration), respectively. Another plenary session, "Asian Studies in the Schools," will be given by the president of the Society, Professor K.C. Tan of Guelph's Department of Geography.

Society members from all across Canada, will meet to discuss their research, the educational and social problems faced by Asian Canadians, and the merging with colleagues in the Canadian Association for South Asian Studies, and welcome your participation in their anniversary celebrations. □

All In the Family

Physicians and their families are no more exempt from the social and health hazards of modern life than are you and I.

Aware of the need to understand and adjust to changing roles as marital partners, citizens, parents and professional people, physicians and their spouses in Wellington County meet annually at Guelph to share their experiences, listen to outstanding speakers, and consider an "All in the Family" theme.

The Sixth Annual Spring Conference, to be held on campus Thursday, 78 05 18, and Friday, 78 05 19, completes a three-phase consideration of the growth of the doctor's family. "Adult Development and the Whole Family in Transition" follows "The Youthful Years" and "The Middle Years," renewing the interest and enthusiasm generated in previous encounters.

Sponsored by both the Wellington County Medical Society and the University, the conference provides a special opportunity for the personal and professional growth of some 150 delegates. This year the concept of family has been expanded to include Canada's nationhood, and the conference co-sponsors invite the public to attend "Tout en Famille; Quebec and National Unity." This lecture, on Friday, 78 05 19, at 16:00 in Room 105 of the Physical Sciences building, by National Assembly Member, Victor C. Goldbloom, Quebec's former Minister of the Environment and Minister of Municipal Affairs, promises to be a most important event for all. □

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The logo for Guelph University, featuring the word "guelph" in a lowercase, bold, sans-serif font. A small crest or shield is positioned between the 'e' and 'l'.

UNIVERSITY NEWS BULLETIN

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