



Mac-FACS alumni launching playground design

by Betty Bean Kennedy

The Mac-FACS Alumni Association's 18th annual seminar, "A Special Place for Children," on Oct. 19, will have a special feature this year. There will be an official unveiling of the design for redevelopment of the Department of Family Studies Laboratory Schools' preschool play area, which the alumni association is sponsoring.

There will also be a tour of the play area, which is located to the north and west of the Family and Consumer Studies building.

Expected to cost more than \$60,000 for equipment and landscaping before it's complete, the project involves massive change. It began just a year and a half ago, when the alumni association decided to do something for the College of Family and Consumer Studies with its budget surplus of slightly more than \$2,000.

The special projects committee, made up of alumni Bonnie Kerslake, Linda Markle, Gail Murray and Rita Weigle, with laboratory schools head teacher, Barbara Stuart, as college liaison, approached Dean Richard Barham for suggestions about projects that would benefit the college.

From the dean's list, the committee identified redevelopment of the preschool play areas as a project that would benefit students, faculty and the children who attend the schools, and that would also enhance the college's reputation as a leader in child studies.

The goals of the project are to create a setting that will provide an optimum learning situation for children, enhance the University's research facilities, and create a teaching environment that will attract national interest.

Features of the play area include a tricycle path — carefully graded to provide fun without danger — that will double as an ice slide in winter. Equipped with traffic signs, it will also help children learn about traffic safety.

A two-storey playhouse offers many opportunities for creative play; a variety of blocks, boards, sawhorses and ladders, plus a moveable workbench, will encourage co-operative building projects; and a climbing structure and slide will aid physical develop-

ment and co-ordination. A quiet area, with a low sand table and nearby water supply, will foster an interest in science and serve as a resource area for creative arts.

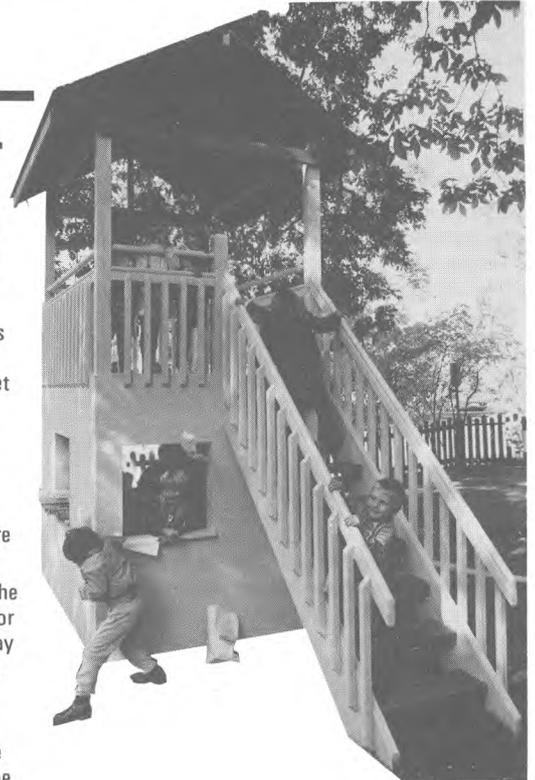
Barham says the redevelopment project comes at a "critical time" for the college's work in the child studies field. "Just as chemistry needs its wet labs and crop science needs its growth rooms, so, too, is it essential to child studies that it has its laboratory facilities," he says. "We must aim at having the best developmental facility of its kind in Canada. Guelph should be demonstrating the standard by which such developmental facilities are judged."

Dr. Kathleen Brophy, professor-in-charge of the lab schools, stresses the value of the new facility for students and children alike. "Creative outdoor play areas provide a framework for students," she says. "They must decide what they wish to accomplish in their play program and then creatively use the facilities to accomplish this. They are learning the skills of planning, as well as of supervision. For the children, outdoor play is an integral part of the program, not only for their physical and gross motor development, but for learning to share and co-operate."

Polly Hill of Polly Hill Associates, Ottawa, keynote speaker at Saturday's seminar, was chosen by the special projects committee to redesign the play area. She has designed for schools, hospitals, museums, day care and play environments of all types. She also writes and lectures on human development, parent information, education creativity and children's environments.

The committee hired landscape architect Owen Scott of Landplan Collaborative Ltd. to work with Hill to combine the learning areas with plantings and landmoulding for sunny and shady areas. In 1971, as an instructor in the School of Landscape Architecture, Scott involved his class in the design and construction of one of the first "creative" playgrounds in Guelph at Dakota Park.

The redevelopment project has been approved for funding by the Alma Mater Fund, and the Mac-



FACS Alumni Association has devised a number of fund-raising ideas. There will be a mail canvass covering industry, alumni, and parents whose children have been in a laboratory school program within the past few years. To give special recognition to groups or companies who sponsor a specific area in the facility or a piece of equipment, plaques will be displayed on site. In addition, the alumni association will be holding raffles and sponsoring a children's program next spring.

Markle, secretary-treasurer of the alumni association, says the funds that began the search for a project were used to buy indoor equipment for the lab schools; it is already in place and in use. The outdoor area of the toddler laboratory school is also receiving improvements, she says.

The alumni association believes the new play area will make Guelph's lab school program unique among Canadian universities and community colleges. □

Retirement brighter under pension improvements

Changes to the University's pension plans, approved last month by Board of Governors, offer three improvements in benefits for employees, says Elvin McNally, manager, pensions and benefits, Personnel Department.

The most significant change is in the formula used to calculate pension income. In the past, employees earned their pension at a higher rate for the years they worked after age 45 than for the years they worked before, even though they continued to contribute to the plan at the same rate. This policy was originally instituted to attract senior faculty to Guelph from other universities, says McNally, but what it meant, in effect, was that employees under 45 were subsidizing those in the older age group.

As of Oct. 1, that difference in rates has been eliminated — all employees will earn a pension at the higher rate that formerly applied only to service after age 45. This increase applies not just to the years an employee will work in the future, but to all the years that have been worked in the past.

What will this change in the benefit formula mean in terms of dollars and cents when you retire?

Say, for example, you've been working at the University for 15 years and are now 45. Let's assume that when you retire 20 years from now, with 35 years of pensionable service behind you, you'll have final average earnings (FAE) of \$35,000. (FAE is calculated by totalling the wages from your five highest-earning years, and dividing by five.)

Under the old benefit formula, you would have earned a pension on your 15 years of service before age 45 as follows: 1.05 per cent of your FAE up to your years maximum pensionable earnings (YPME — a figure set by the federal government as a ceiling on the amount of earnings eligible for CPP benefits — in 1985, it's \$18,265.) plus 1.5 per cent of all your earnings over the YPME figure. For your 20 years of service after age 45, your benefit rate would have increased to 1.4 per cent of your earnings up to YPME, and 2 per cent of the remainder. Using the 1985 YPME figure for calculation purposes, under the old formula your annual retirement income 20 years from now would be \$18,450.

With the new formula, you receive the higher benefit rates of 1.4 per cent and 2 per cent on all 35 years of your service, not just the final 20, and that means you'll be able to retire with an income of \$20,664.

The younger you are now, says McNally, the more dramatic the increase will be in the amount of pension income you'll earn under the new formula, compared to the old.

To pay for this improved benefit, both the University and employees will be making bigger contributions to the pension plans. Members of the professional plan will see their contributions rise by 0.5 per cent of their earnings; members of the retirement plan and the non-professional plan will pay 0.25 per cent more.

Employees will not, however, have to help pay for the cost of applying the higher benefit rate to their past years of service — that is coming out of the pension fund's actuarial surplus in a one-shot payment, says McNally.

The only employees who won't be affected by the change in the benefit formula are those who were hired by the University before Sept. 1, 1964, and those who were 45 or older when they were first hired. These two groups aren't eligible for the improved pension benefit and their contributions to the plan won't be increased.

There has also been a change in the University's policy on spousal pension benefits. For any employee who retires after Oct. 1, and who is entitled to the traditional surviving spouse's pension of 50 per cent, new optional benefits are available for the surviving spouse equal to 60 per cent, 75 per cent or 100 per cent of the employee's pension.

This change involves no cost to the University — the employee pays for it in the form of a lower basic pension benefit, which is determined actuarially. The higher the spousal benefit, the less money the employee will receive each year throughout retirement.

If, for example, you are entitled to a pension of \$20,000 a year and you opt for the 60-per-cent spousal benefit, your annual pension would be reduced to \$19,412, but your husband or wife would receive \$12,000 a year if you died, instead of the standard \$10,000.

If you chose the 75-per-cent option, your pension would be reduced to \$18,593 a year, and your surviving spouse would receive \$15,000. And if you wanted your spouse to receive your full pension of \$20,000 after your death, your annual pension income would be cut to \$17,371.

Employees are not required to choose a spousal option until six months before retirement, but once the decision's been made, it can't be changed. If your spouse dies before you do, you can't have your full pension reinstated.

McNally says the new spousal option addresses the concern of some employees that their surviving

spouses will be faced with a drastically reduced income.

The inflation formula the University uses to adjust pensions has also been amended. In the past, the adjustment was equal to either 50 per cent of the increase in the consumer price index (CPI) in the previous year, or to the investment earnings the pension fund had made that year in excess of seven per cent, whichever was less. Now, annual adjustments for inflation are equal to the increase in the CPI, less three per cent — provided there are enough investment earnings in the pension plan to cover the payout. (Seven per cent of investment earnings must remain in the plan to ensure maintenance of payments.)

If, for example, the increase in the CPI is six per cent, and the University's pension fund has had a good year, pensioners would receive a three-per-cent hike in their income. And if there were still investment earnings left over after all the adjustments had been made, the surplus would be carried forward in a separate pensions adjustment account to provide a buffer for future years when the pension fund isn't earning as much.

If the pension fund performs badly in one year and there's not enough money in the adjustment account to provide the increase, there won't be one.

These improvements to the pension plans are part of an ongoing process, says McNally. For more information on the improvements, contact the pension and benefits office at Ext. 8775 or 8776.□



Oct. 17, 1985.

To All Members of the University:

The University community has always been a major source of funding for United Way and we are again being counted on for increased support.

An increase in the size of the average donation, together with an increase in the percentage of faculty and staff members who participate, would permit this year's campus campaign to more than meet its objective of \$90,000.

As in recent years, there will be no house-to-house canvass, so please respond positively to your department canvasser, who will be in contact with you before Nov. 15.

Thank you in advance for your support of the Guelph United Way campaign.

Yours sincerely,

B.C. Matthews
President.

Gerry Davidson
Professional Staff Association.

Don Huber
Canadian Union of Public Employees.

Hendrik Kups
Food Services Employees Association.

Stefan W. Putter
Faculty Association.

Martin Hodgson
Staff Association.

G. Ferris
Canadian Guards Association.

Anthony Mifsud
Canadian Union of Operating Engineers.



John Majorossy, Illustration Services

Larry Porter, associate librarian, systems and technical processing, with the GEAC 8000.

Gift boosts Library's computing capacity

The Library has increased its computing capacity by 50 per cent, thanks to a gift from Hamilton Group Ltd., an international company that sells and rents computing equipment.

The company's administrator, Andrew Aitkenhead, says the GEAC 8000 computing system, designed especially for library and banking markets, did a superb job for his company, but recently became surplus equipment.

Through negotiations dating back to the spring, Alumni Affairs and Development director Marjorie Millar and Hamilton Group Ltd. reached an agreement to transfer the equipment, worth more than \$300,000 new, and with a current value of \$125,000, to the University as a gift-in-kind.

The package, now installed in the Library, includes the GEAC 8000, three printers, two tape

drives, two disk drives, 47 terminals and three cluster controllers, which handle a group of terminals attached to one line.

Larry Porter, associate librarian, systems and technical processing, says the new computer will function as a boolean search machine, leaving the other GEACs free to handle the on-line catalogue, circulation and acquisitions. The boolean search capacity allows Library users to conduct broad ranging on-line searches using "and/not/or" choices. For example, a PhD student in crop science could search the literature for all material relating to canola in Canada and the United States, receiving a list of sources much longer than the proverbial arm in a few minutes.

For information on using the boolean search, contact Porter at Ext. 2121. □

Carling O'Keefe scholarships to HAFA students

Eleven Guelph students shared \$5,000 in scholarships at the annual Carling O'Keefe Scholarship presentation on campus Oct. 10. The awards recognize outstanding students in the School of Hotel and Food Administration.

The Carling O'Keefe Scholarships have been presented annually since the school was first established at Guelph in 1969. Two entrance awards of \$700 each go to the outstanding members of the freshman class. In addition, \$1,200 is shared by the top students who have completed each of the first three years of the four-year honors program.

This year, entrance awards went to Anita Kuhn of Brantford and Jane Mogygy of Manitowaning. Sheila Trotter of North Bay earned \$400 and Michel Losier of Burlington, \$200.

Second-year winners were Monika Helbig of Burlington, Sandy Page of Ancaster and Carol Morrice of Carleton Place. Winners in the first-year class were Mary Harding of Owen Sound, who received \$600, Kathryn Baker of London, who received \$400, and Sarah Hall of Port Elgin, who received \$200.

Arboretum plans for the future

A steering committee has been established to develop an updated master plan of the Arboretum.

The Arboretum, which is approaching its 15th birthday, has established itself as an important campus resource, serving students, faculty and community needs, says OAC Dean Freeman McEwen, who established the steering committee. As the Arboretum moves into the next phase of development and operation, it is important to reassess the role of the facility in light of changing needs and requirements, he says.

Chairman of the committee is Prof. James Taylor, School of Landscape Architecture. The other committee members are Prof. Erik Jorgensen, Director of the Arboretum, and Prof. David Smith, Botany. The committee's terms of reference include the formulation of goals and objectives, a user needs study, an update of mapping systems, an analysis of resources and existing development, and the establishment of design principles for ongoing work. A five-year plan will be completed to guide Arboretum management.

The steering committee is seeking input from academic units and interested individuals this fall. A symposium on Arboretum design, use and management is also planned for January. McEwen expects the updated master plan to be completed for review by April 1986. □

Halley gazers invited to folklore & science seminar

Halley's comet is receiving star billing for the 1986 winter season, but it's likely to provide more thrills for scientists than for the general public.

Physics professor Jim Hunt, who has had a long-standing commitment to the astronomy teaching program at Guelph and the experimental facilities in the Observatory, says the spectacular performance of Halley's comet in 1910 will not be repeated next year.

Hunt says Canadian viewers with sharp eyes or good binoculars may catch a glimpse of the comet low on the evening horizon from Jan. 5 to Jan. 20, and again low in the morning sky during most of March, "but there will not be very much to see."

For scientists, however, the return of Halley's comet offers the first opportunity to bring modern technology to bear on some ancient questions: How big is the nucleus of the comet? Of what material is it composed? These and a host of other questions may be answered by GIOTTO, a comet probe that has been launched by European and Soviet scientists. It is expected to approach within 300 miles of the nucleus with a sophisticated package of monitoring devices.

Hunt has prepared a guide on Halley's comet for Ontario teachers. It introduces students to the laws of planetary (and cometary) motion; explains the relative merits of binoculars and telescopes in given situations; tells how to make a cardboard model of the comet's orbit; and includes a complete viewing timetable.

This information and much more will be featured in a public seminar to be offered by Hunt Oct. 22. High school teachers will be joining the University community for a presentation on both the folklore and the science of the comet.

Each of the comet's 29 recorded appearances dating back to the time of the Babylonians has been featured in stories and artworks of the time, says Hunt. Halley appears in the Bayeux Tapestry and in a painting by Giotto (hence the name of the space probe). Hunt will explain how archeological references to the comet have reinforced the findings of astronomers.

The 1910 appearance was presumably one of the most spectacular, with the earth actually passing through the comet's tail, says Hunt.

If cloud cover robs viewers of a good view of the 1986 performance, don't worry, it will be around again in the year 2060. □

Probing a cherished relationship

Kevin's grandmother, the leading character in a favorite children's story, rides a motorcycle and sky dives. She is perhaps a bit fanciful, but her image does challenge the all-too-prominent stereotype of the grey-haired cherub, plate of freshly baked cookies in hand, ready to cater to her grandchildren's every wish.

Grandparents have been part of the lives of nearly all of us, and yet relatively little research has been done on their role. In the last 10 years, however, interest in grandparenting has awakened. Family Studies faculty are pursuing research in this area to discover how grandparents enact their roles, what it means to be a grandparent, what grandparents mean to their grandchildren and what influence grandparents have on grandchildren and their families. This knowledge will enhance understanding of the elderly, which, in turn, will ultimately shape policies and services for seniors.

Not like parents

Griffith Morgan, a child psychologist, first developed an academic interest in grandparents when he and his wife, who have no children of their own, became adoptive grandparents to a family. In a research project funded by the Social Sciences and Humanities Research Council, he interviewed 150 children in Grades 1 to 6 about their grandparents. Morgan found the children were positive about their grandparents and saw them as quite different from parents.

The children appeared to be secure in the knowledge that their grandparents loved them. Morgan describes a cluster of things the children associated with their grandparents — visiting, cooking, gifts, treats and being available. "This may sound trivial," he says, "but these are emotionally tinged activities that link the older and younger generations." Through such detailed knowledge comes an understanding of the essence of the grandparent relationship in all its variability.

Morgan has also interviewed 20 grandparents (not those belonging to the children in the first study) to find out how grandparents perceive their role. A recurring theme in these interviews is that grandparents in Canadian society do not have defined rights and authority, but they do have influence on the younger generation. Morgan says grandparents often have a parental role, but they do not act as surrogate parents and in no way do they want to replace parents. Modern grandparents negotiate their position in the family, says Morgan. "They say they now have time to spend on their grandchildren that they didn't have when they were parents rearing their own young children."

Going through a phase

Many grandparents express the sentiment: "Thank God I can go home at the end of the day. I'm not totally responsible. I love these kids, I accept them, but I am no longer responsible. I have my own life." Morgan believes this outlook begins "to get near the nub of the relationship between grandparent and grandchild."

Grandparents themselves are going through a turbulent period in their own lives when they first become grandparents. Many are still involved in the work force, and are decreasing their commitment and



Researchers discover view of grandparents is changing

responsibility to their own families. They are no longer involved in child rearing, yet they are not old; most are still robust and active. These "young old" adults, like adolescents, are in a time of experimentation. They are learning how to golf, joining clubs and making new friends. This is a moratorium phase, a stage when they put things they have been doing on hold, suspend their commitments, and explore new options.

Joan Norris, a psychologist specializing in adult development and aging, and Andor Tari, a child psychologist, began studying grandparents because they are interested in how grandparents view their role in relation to the rest of their lives and their own personal development. Seniors' perceptions of their grandparent role are central to their satisfaction with life.

Descriptive data

Early research about grandparents tended to be descriptive, says Norris. Now that a foundation of descriptive data has been gathered, grandparent research is entering a new phase, one in which this detail can be put into a theoretical framework. Norris felt it was time to "step back and take a more qualitative look at grandparenting; to really delve into what the experience is like, and what the transition into grandparenthood means to them."

Norris and Tari have interviewed 35 people between 60 and 65 who have become grandparents in the last 10 years. The seniors described the grandparenting experience as meaningful, and said they want to be involved with the younger generation, but they do not want the responsibility or authority of being surrogate parents. Norris says today's grandparents want "lots of choices." They prefer to negotiate their role.

The seniors in the study are active, almost frenetically so. Norris believes they are fairly typical of "young-old" adults in the moratorium stage. Most of them are eager to get on with their own lives and to enjoy some independence.

Experimental Live-In

Of the 150 children interviewed by Morgan, only one had a grandparent living with the family. In North America, "family" means almost exclusively the nuclear family format, with parent or parents and children living together. Tari saw in the

"Grandparents say they now have time to spend on their grandchildren that they didn't have when they were parents rearing their own young children."

extended family the potential for grandparents to have a useful role in providing at-home care to young children while the parents worked outside the home. He was concerned about the 1.5 million Canadian children who require child care while both parents work. At the same time, he recognized that there are 2.5 million Canadians 65 or older, many of whom have time on their hands and are looking for a meaningful activity.

Tari asked, "Could we not give grandparents the role of looking after the grandchildren while the parents went out to work?" When he tested this idea on his students, most of them said it wouldn't work. That negative reaction was an incentive Tari needed to test the idea.

Through a Hungarian group in Toronto, Tari interviewed 300 families to find suitable and willing families for the experiment. Thirty-two families agreed to participate, and the grandparents and parents signed a contract to continue the live-in arrangement for a year. Of the 32, there were 25 grandparent couples and seven single grandmothers.

The grandparents were to take over parenting duties while the parents were away at work. When the parents came home in the evening, the grandparents were to carry on with the parenting unless the parents wanted to take over. To measure the impact of the experiment, Tari carried out psychological assessments on all three generations before and



ereotype



Now, four years after the completion of the study, only six or seven of the original group of 32 extended families are still together. Part of the original agreement was that Tari would be available for intervention in case of conflict. In 18 families, no intervention was necessary, but the other 14 families kept him busy during the year.

The interventions opened up lines of communication between the two older generation. During the course of these discussions, says Tari, it became apparent that the grandparents knew a great deal more about parenting than they ever let on.

The "experiment" is being replicated in Hungary, and Tari will spend part of a sabbatical year overseeing it. This intergenerational approach to child care is an interesting concept, Tari says, but he believes it can work in only a few families. He says the experiment in Toronto enjoyed some success because, among other things, he was on call for intervention throughout the year. The ethnic nature of the experimental group also contributed to success.

Grandparent care

How do middle-class Canadian families view grandparent care on a regular basis? Shirley Semple, a graduate student in Family Studies, recently completed a research project on this issue. She saw much value in Tari's ideal of intergenerational child care, but wanted to explore the issue with a different family type.

Out of 70 pairs of mothers and grandmothers she interviewed, more than three-quarters of the mothers said they would not be in favor of the grandmother providing full-time care for their preschool aged grandchild.

Many said they were concerned about the health and stamina of the grandmother. Others said they didn't want to restrict the grandmother's activities or they wanted to separate business and family. (Child care was considered a business arrangement.) They often expressed concern about taking advantage of the grandmother.

A higher percentage of the grandmothers — 81 per cent — said they would not want to care for their grandchildren full-time. Their major reasons for saying no focused on concerns related to their health, which they felt might interfere with their ability to provide high-quality care. Many grandmothers said they were busy in their own lives; they desired freedom from child rearing and didn't want to be tied down.

Of the mothers who favored a full-time child care arrangement, most said kinship ties were important, as were similar values and child-rearing practices. Grandmothers who said "yes" to full-time child care wanted to provide familial support and to instil proper values in the child. They also said they loved and enjoyed being with the child.

Semple concluded from her study that grandparent child care would be a viable option for some families. She believes more should be learned about the benefits and pitfalls of such an arrangement so that families can be provided with information and identify all their child care options.

For all the great variability and richness of grandparent/grandchild relationships, they have inspired little serious academic interest. Tari, Morgan, Norris, Semple and researchers around the world are now starting to probe this cherished relationship. □

after the year. He expected that the arrangement would benefit all three generations, particularly the middle generation because, he reasoned, they would be assured that their children were well cared for.

The grandparents benefited most from the live-in arrangement. Their health improved, they were less depressed and showed fewer signs of hypochondria.

The children benefited as well. Although they did not show any increase in IQ, their motivation increased and their self perception and school readiness improved significantly. Tari adds that they also developed a "delightful ethnic accent."

To Tari's surprise, the middle generation suffered increased anxiety with the live-in arrangement. "My colleagues pointed out that perhaps the anxiety is related to the difficulties mothers and fathers are having with the traditional social and parental roles in our changing world. Observing grandparents successfully handling children probably generated feelings of inadequacy in parents and thus caused stress. Parents, who might feel insecure about their own ability to parent, felt they compared unfavorably to the grandparents."

Differences between the parents and grandparents crystallized when the grandparents moved in with the family. Families that experienced the most conflict were those in which the grandparents were not really satisfied with the way their own child had turned out and in turn had a hard time accepting his/her ideas of child-rearing.



Photographs by Fred Cousineau



Prof. Larry Martin, right, with Prof. Stewart Lane.

Lane Commemorative Award to Martin

Prof. Larry J. Martin has been awarded the Stewart Lane Commemorative Award for 1985. Established in 1983 in honor of Prof. Stewart Lane, who retired after 37 years with the School of Agricultural Economics and Extension Education, donations now provide for an award of about \$2,000.

The award is bestowed on a faculty member in the Department of Agricultural Economics and Business for outstanding contributions benefiting the agricultural community. Criteria include effectiveness in teaching and the ability to conceptualize and apply new extension and teaching methods.

Martin came to Guelph in 1972, becoming a full professor in SAEED in 1983. He teaches both undergraduate and graduate courses, and was involved in reorganizing the undergraduate major. He was honorary president, OAC Class of '83.

Martin is a member of two national committees, and one provincial committee concerned with agriculture and economics, and is also an adviser to three provincial commodity committees.

Martin said he is "very honored to receive the award; it's an indication that my work is recognized and appreciated." The award will further his current research, which focuses on the problems and strategies of marketing, and the impact of various government policies on livestock producers.

OAC Dean Freeman McEwen chaired the selection committee, which included Elmer Menzie, chairman of Agricultural Economics and Business, as well as government and industry representatives. Lane presented the award certificate to Martin at the annual J.S. McLean Memorial Lecture earlier this month. □

Correction

In the Oct. 10 edition of the *News Bulletin*, the article "Lecture Series on Entrepreneurship" should have read that entrepreneur-in-residence Donald McQueen Shaver will give a lecture on "Raising Money to Finance the Venture" Nov. 20 at 3 p.m. in Room 115, MacKinnon building. □

Briefly

STRESS MANAGEMENT is the focus of two upcoming Counselling and Student Resource Centre workshops for students. The workshops are Oct. 23 at 6 p.m. and Nov. 13 at 3 p.m. in Room 442, University Centre. A follow-up preventive series on stress will be offered early in the winter semester. These workshops are part of the Personal Enrichment Programs developed by CSRC. Details are available at the Connection Desk, Level 3, UC, or telephone 836-4444.

THE NEXT SESSION in the Liberal Education series on the implications of the University's aims and objectives is Oct. 21 at noon in Room 442, University Centre. Discussion will focus on "The Community," with panelists Herbert Armstrong, special assistant to the president, and Prof. Barry Millman, Physics, addressing the question: "Can the university serve society and still retain its autonomy?" Moderator is Prof. Jim Shute, Rural Extension Studies.

TORONTO ALUMNI VISA MEMBERS (Volunteers in Support of Admissions) have made arrangements with the Royal Agricultural Winter Fair for a limited number of seats for the horse show on opening night Nov. 8. Tickets for Alumni Night at the Royal are \$12 per person and include entrance to the fair. Place orders through the Royal Agricultural Winter Fair, Exhibition Place, Toronto M6K 3C3.

A DEMONSTRATION of a Sun3 -Workstation is scheduled for Oct. 22 at 3 p.m. in Room 141, Animal Science building. Speakers are Sheila Remtulla and David Lavalley of SUN Micro Systems of Canada Inc.

Visiting Professor

Visiting professor **Dr. Howard Erskine-Hill**, reader in literary history, University of Cambridge, will give a lecture, "Shakespeare and the Succession of Kings," Oct. 24 at 4 p.m. in Room 237, MacKinnon building. He will also deliver a plenary lecture at the annual conference of the Canadian Society for 18th-Century Studies at Guelph this week. Erskine-Hill is a leading authority on 18th-century literature, particularly the work of Alexander Pope. While at Guelph, he is giving classes in the departments of Drama and English Language and Literature. □

Job opportunities

As of *News Bulletin* deadline Oct. 10, the following opportunities were available on campus.

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

Technician, Land Resource Science. Salary range: \$368.51 minimum; \$426.17 job rate (level 5); \$528.40 maximum.

Building Custodian 3, Housekeeping Department. Job rate: \$9.75 per hour; probation rate: \$.20 per hour lower than job rate.

Administrative Secretary, University School of Part-time Studies and Continuing Education. Salary range: \$306.03 minimum; \$353.19 job rate (level 5); \$438.56 maximum.

Staff Nurse, Medical Services. Salary range: \$20,840 minimum; \$26,051 midpoint; \$31,261 maximum; normal hiring range: \$20,840 to \$24,488.

THE GUELPH ARTS COUNCIL is sponsoring a one-day sale of curios, collectables and canvas Oct. 19 from 9 a.m. to 4 p.m. at the council's centre, 21 King St. Items on sale include limited edition prints, paintings, books, antique jewelry and glassware. Admission is 50 cents for adults, free for children.

THE MAC-FACS ALUMNI Association's annual seminar is Oct. 19, with registration beginning at 8:30 a.m. in Creelman Hall. This year's theme is "A Special Place for Children," with sessions on "Children: Their Development and Their Environment," "Children and the Law," "Children as Consumers," "Infant Crying," and "Children and Nutrition." Register by Oct. 17 at Ext. 2122.

THE OCT. 24 MEETING of Board of Governors has been cancelled. The next meeting is Nov. 28.

THE TORONTO CONSORT will be featured in the Department of Music's Thursday noon-hour concert Oct. 17 in Room 107, MacKinnon building. Formed in 1972, the five-member group specializes in music from the Middle Ages and the Renaissance.

Program I at 12:10 p.m. will consist of "Gaité de la Tor," Anonymous; "Estampie real," Anonymous; "Li nouveaux Tanz, Gui II," Chastelain de Couci; "Fantasia," Anonymous; "Mignonne, allons voir," Jehan de Chardavoine; "Voyez le tort," Pierre Sandrin; "L'amour me voyant," Claudin de Sermisy; "Preludium I," Pierre Attaignant; "Celle qui m'a donne," Pierre Sandrin; "Chant des oiseaux," Nicolas Combert; "Hau, hau le bois," Claudin de Sermisy.

Program II at 1:10 p.m. will feature "De plus en plus," Gilles Binchois; "Adieu m'amour," Guillaume Dufay; "Febus mundo," Anonymous; "Prelude," Anonymous; "J'ay le desir," Claudin de Sermisy; "Douce memoire," Pierre Sandrin; "La rousee," Anonymous; "Preludium II," Pierre Attaignant; "Tant que vivray," Claudin de Sermisy; "Chant des oiseaux," Nicolas Combert; "Hau, hau le bois," Claudin de Sermisy.

TRANSFER ANNOUNCED

President Burt Matthews has announced that Douglas Waterston, director of information, will be transferring to the President's Office to take up special duties in connection with community relations. A search committee will be established to find a new director.

Waterston will continue as director until the committee's work is completed.

Waterston came to Guelph in 1965, just after the University of Guelph was established, to set up the department, and he has been director of information since that time. □

Town meetings

Town meetings are planned to discuss the changing environment for computing and communications services, says the executive director for information technology, Margaret Beckman. These are Oct. 30 and Nov. 4 at noon in Room 442, University Centre, and Nov. 7 at noon in Room 103, University Centre. Bring your own lunch. Beverages and doughnuts will be supplied. More details will be announced later. □

Library collections grow thanks to SSHRCC grants

The development of the Library's Scottish Collection into a world-class resource owes much to the Social Science and Humanities Research Council (SSHRCC), which has donated more than \$100,000 towards the collection since 1979.

Tim Sauer, head of the acquisitions and collections division, says the universities of Edinburgh and Aberdeen still retain their pre-eminence in this area, but even they agree that the gap is narrowing. International book dealers, seeing Guelph's growing prestige, are giving the University first choice on some rare material, says Sauer, "and the possibility of our assuming world leadership in the not-too-distant future is far from remote."

The beginnings of the Scottish collection can be traced back to the mid-1960s when now-retired professor W. Stanford Reid came to Guelph from McGill University to become chairman of the Department of History. Around that time, Reid made several trips to the British Isles, returning with quantities of early Scottish historical works that became the foundation of the present collection.

"With those beginnings," says Sauer, "it's not surprising that the main strength of the collection

Support program for hearing impaired

Classes will soon be easier for hearing-impaired students at Ontario colleges and universities. A \$500,000 support services program to improve accessibility for deaf and hard-of-hearing students has been announced by Colleges and Universities Minister Gregory Sorbara.

The government has contracted with the Canadian Hearing Society to supply sign language or oral interpreters, notetakers and amplification devices to hearing-impaired students. The program will be phased in throughout the province over the next five years, with the rate of expansion depending on demand for the service and the availability of trained interpreters. It will be available this fall to students at Ottawa and Toronto institutions only.

Priority will be given to part-time students because full-time students generally receive support funds from other provincial government sources. The program will initially provide funds for only one course per student; the limitation may be lifted, however, as the program expands. □

(GWC)² holds unabashed meeting

Prof. E.W. Abrahamson, Chemistry and Biochemistry, delivered the seminar at the 10th annual meeting of the Guelph-Waterloo Centre for Graduate Work in Chemistry.

Abrahamson is developing a method of studying visual photoreceptor cells under conditions nearly identical to physiological conditions. He is using light-scattering relaxation methods as a non-destructive probe for the study of these coupled molecular-cellular processes that are responsible for perception of light.

Abrahamson said the biological cell presents theoretical and experimental problems far beyond our present conceptual and experimental competence. The solution of the problem of molecule cell interface is perhaps the greatest challenge chemists have taken up, he said.

Following the lecture, (GWC)² members had

emphasizes Scottish history. In recent years, however, we have also been building our collection of Scottish literature and archival material."

Acquisitions made under the current SSHRCC grant include a collection of pamphlets issued by both adversaries in a famous court action for slander that raged between 1780 and 1790. Another involves representations made to the chairman of philosophy at the University of Edinburgh around the same time, recommending against the appointment of a candidate for faculty on the grounds that his denunciation of the philosophy of Hume was not vehement enough.

"Dealers know the kind of material that interests us," says Sauer. "They will send us color photographs or rare works accompanied by lengthy and detailed descriptions. Buying decisions are never easy. Resources, even with SSHRCC assistance, are limited. The works that are offered to us are frequently of a one-of-a-kind variety and comparisons with current auction and catalogue prices are not definitive. The decision is likely to be made on the basis of 'how badly do we need this to fill a gap in our collection or to meet some specific research need?'"

Some Scottish material has come to the Library as a result of bequests by the families of Scottish immigrants to Canada, says Sauer. Donations from graduate students, alumni and faculty have helped build an important archive related to Scottish contributions to early Canada. This is being put to good use for graduate, doctoral and post-doctoral research.

Sauer says many of the visiting professors in the humanities who choose Guelph for their sabbaticals do so because of the Scottish collection — much of it primary material for original research. Undergraduates are also making extensive use of archives and rare books for third- and fourth-year studies, he says.

The Scottish Collection continues to grow, thanks not only to SSHRCC grants, but to the Alma Mater Fund as well, says Sauer. In addition, purchases of new Scottish publications are often made from regular Library funds.

The Library recently received two other Canadian Studies Research Tool grants from SSHRCC — \$19,516 towards the cost of housing, cataloguing and publicizing the "All About Us" collection of children's art and literature, and \$23,345 for the growing collection of theatre archives. □

their annual meeting and an awards banquet. Guelph PhD candidate Ian McClennan was awarded the Bruker Spectrospin Graduate Fellowship, and Waterloo student Karen Kweck received the R.G. Goel Memorial Scholarship in inorganic chemistry. The \$5,000 Charles S. Humphrey award for a student in organic chemistry went to Gilles Arsenaault of Guelph.

R.H.F. Mansky prizes were awarded to Guelph student Moses Lee and Waterloo student Matthew Sharp. Two students received awards for the best seminars presented during the year — Jim Green of Waterloo and Bryon DeFrance of Guelph.

The lights dimmed as Robert LeRoy, outgoing director of the centre, was lauded for his contributions. The students presented him with a fluorescent yellow battery-powered tie, emblazoned with red and blue lights — a fitting symbol for an unabashed (GWC)² booster. □

Math & Stats Clinic offers service

A consulting service in the Department of Mathematics and Statistics gives undergraduate and graduate students hands-on experience in solving problems for industry, commerce, government and the University community.

The Mathematics and Statistics Clinic, which provides statistical consultations on either an individual or group basis, involves students working in research teams under faculty supervision.

Students are required to choose mathematical techniques, make necessary deductions, compare those with observed results, and select an appropriate model. Clients receive a formal written report of the research team's findings.

On campus, consulting not related to the Ministry of Agriculture and Food is provided on a cost-recovery basis through the clinic. Consulting can be provided at an hourly rate of \$50, or by means of negotiated blocks of time allocated to specific groups of faculty and/or graduate students.

The clinic also provides a limited amount of free consulting to individual faculty and graduate students who do not have the resources to cover costs. Free consultations are on a first-come-first-served basis.

To arrange block accounts, contact Prof. William Smith, chairman, Mathematics and Statistics, Ext. 2155. In other cases, contact Janice Smith, Room 515, Physical Sciences, Ext. 3697.

OMAF-related consulting will be done until May 1, 1986, by Ann Hollings, who is located in Room 548, Physical Sciences, Ext. 3293. □

Visiting professor

Dr. Wayne Skaggs will be in the School of Engineering on the vice-president's short-term visiting professor program until Oct. 25.

Skaggs is professor in the department of biological and agricultural engineering at the North Carolina State University. He has earned numerous awards including Outstanding Young Scientist of Sigma XI and ASAE Young Researcher Award, and has supervised many graduate students. His simulation model — DRAINMOD — has been adapted by the U.S. government for routine project planning.

Skaggs has published more than 100 referred papers on land drainage, particularly the simulation modelling of soil-water processes and the optimal design of drainage systems.

Skaggs will deliver two lectures on campus — "Water in Agriculture" Oct. 18 at 1:10 p.m. and "Modelling Drainage in Crop Production Systems" Oct. 21 at 4:10 p.m. The lectures are in Room 112A, School of Engineering, Thornbrough building. Skaggs will also present two workshops on simulation modelling Oct. 22 and 23, 1:30 to 4:30 p.m.

Skaggs can be contacted in Room 213, School of Engineering, Ext. 2433. Appointments may be arranged through Merie Hiskett, Room 203, Ext. 2115. □

Next Week at Guelph

THURSDAY, Oct. 17, 1985

Lecture – GENERAL NUTRITIONAL PATHOLOGY, Paul Newberne, 11:10 a.m., Pathology 220.
World Food Day – THE CHALLENGE OF AFRICAN RECOVERY, Alan Clarke, noon, MacK 121.
Courtyard Forum Series – ON THINKING CRITICALLY, noon, UC Courtyard.
Concert – TORONTO CONSORT, 12:10 p.m. and 1:10 p.m., MacK 107.
Career Services – JOB SKILLS CLINIC, 1 p.m., register Connection Desk, UC Level 3, \$2.
Symposium – ROADS TO REVOLUTION, 4 p.m., UC 103.
Apiculture Club – LEAFCUTTER BEES AS POLLINATORS FOR ALFALFA, Milne Harvey, 5:10 p.m., Graham Hall 200.
Worship – SHARED PRAYER, 5:10 p.m., Chapel, UC Level 5.
Film – JESUS – ONLY A GREAT MORAL TEACHER, 6:45 p.m., Eng. 112.

FRIDAY, Oct. 18, 1985

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 117A.
Lecture – MYCOTOXICOSES: HISTORICAL PERSPECTIVE AND UPDATE, Paul Newberne, 10:10 a.m., Pathology 220.
Oratorio – SONG OF SONGS, Trinity Theatre, noon, UC 103.
Lecture – WATER IN AGRICULTURE, Wayne Skaggs, 1 p.m., Eng. 112A.

SATURDAY, Oct. 19, 1985

Community Education – CARTOON WORKSHOP, 10 a.m., eight weeks, register Ext. 3957.
National Universities Week – FUN RUN, Inter-Hall Council, Ext. 8304.
Mac-FACS Alumni Seminar – A SPECIAL PLACE FOR CHILDREN, register Ext. 2122 by Oct. 17.

SUNDAY, Oct. 20, 1985

Worship – CATHOLIC MASS, 10:10 a.m., PCH; UNIVERSITY BIBLE STUDIES, 10:15 a.m., PS 113; ECUMENICAL CAMPUS MINISTRY (Anglican, United, Presbyterian), 10:30 a.m., Chapel, UC Level 5.
Cycling Club – EVERTON, 27 miles, 10 a.m., UC south doors; BIKE WORKSHOP, 2 p.m., 49 Ontario St.
National Universities Week – AUTUMN DAY AT THE ARBORETUM, guided walks, 1 p.m. and 3:30 p.m., Nature Centre; CONCERT, Percussionisticks, 2:30 p.m., Nature Centre; POETRY READING, 7:30 p.m., Bookshelf Cafe.
Guelph Field Naturalists – MYSTERY WALK, 1:30 p.m., meet OVC parking lot.
International Cinema – CAREFUL, HE MIGHT HEAR YOU, 8 p.m., PS 105.

MONDAY, Oct. 21, 1985

National Universities Week – ART EXHIBITION, 10 a.m. to noon, 2 to 4 p.m., Zavitz Hall, continues to Oct. 25; ART STUDIO TOURS, 10 a.m. to noon, 2 to 4 p.m., Zavitz, from main office, continues to Oct. 24; THEATRE, "Tons of Money," 8 p.m., Inner Stage, continues to Oct. 26. Tickets, \$3 and \$4.
Liberal Education Series – THE COMMUNITY, 12:10 p.m., UC 442.
Lecture – TOXICOLOGIC PATHOLOGY: CHALLENGES AND OPPORTUNITIES, Paul Newberne, 12:10 p.m., Pathology 220.
Lecture – MODELLING DRAINAGE IN CROP PRODUCTION SYSTEMS, Wayne Skaggs, 4:10 p.m., Eng. 112A.
Worship – CATHOLIC MASS, 5:10 p.m., Chapel, UC Level 5.

Community Education – THE STEP-FAMILY, 7:30 p.m., five weeks, register Ext. 3957.
German Club – CONVERSATION AND MUSIC, 8 p.m., Faculty Club, UC Level 5.

TUESDAY, Oct. 22, 1985

Our World – UNIVERSITY OF GUELPH: IMPACT ON DEVELOPMENT, Nora Cebotarev, Neal Stoskopf, 12:10 p.m., UC 442.
Worship – CATHOLIC MASS, 12:10 p.m., Chapel, UC Level 5.
National Universities Week – CAMPUS WALKING TOUR, 1:30 p.m., meet UC Info Desk; THE RETURN OF HALLEY'S COMET, lecture, Jim Hunt, 4 p.m., PS 113; CONCERT, Cambridge Buskers, 8 p.m., WMH, \$9 to \$13.
CSRC – WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359; HOW TO STUDY, 7 p.m., Lib Orientation Room.
Discussion Series – THE BRAIN, Part 5, 8 p.m., MacK 116.
National Universities Week – JAZZ CONCERT & COFFEEHOUSE, Bruce MacColl, 8 p.m., PCH, \$1.

WEDNESDAY, Oct. 23, 1985

Noon-hour Concert – REPERTORY DANCE COMPANY OF CANADA, noon, UC Courtyard.
Worship – ANGLICAN HOLY COMMUNION, 12:10 p.m., Chapel, UC Level 5; ECUMENICAL FELLOWSHIP DROP-IN, (Anglican, Presbyterian, United), 5 to 8 p.m., Chapel, UC Level 5.
Lecture – SHOULD YOU RUN YOUR OWN BUSINESS?, Donald M. Shaver, 3:10 p.m., APS 141.
Cycling Club – PUSLINCH LAKE, 29 miles, 5 p.m., UC south doors.
CSRC – WRITING ASSISTANCE, 5:30 to 9 p.m., Lib 359; STRESS MANAGEMENT, 6 p.m., register Connection Desk.
Lecture – MONTESSORI EDUCATION, Nancy Lawrenz, 7 p.m., UC 332.

THURSDAY, Oct. 24, 1985

Lecture – DIET, NUTRITION AND CANCER, Paul Newberne, 11:10 a.m., Pathology 220.
National Universities Week – CONCERT, Carrol McLaughlin, harp, 12:10 and 1:10 p.m., MacK 107; CAMPUS WALKING TOUR, 1:30 p.m., meet UC Info Desk; OVC TOURS, 3 p.m., meet main OVC entrance; OBSERVATORY TOURS, 7:30 p.m. and 8:45 p.m., register Ext. 3358.
Lecture – SHAKESPEARE AND THE SUCCESSION OF KINGS, Howard Erskine-Hill, 4 p.m., MacK 237.
Apiculture Club – MANITOBA: IMPRESSIONS OF THE BEEKEEPING INDUSTRY, Gard Otis, 5:10 p.m., Graham Hall 200.

Personals

For Sale: 1977 Monte Carlo, 658-2835. Antique nine-piece walnut dining suite, 824-8298. Wringer washer; Thomas Californian 267 organ, 824-0275. Black and white TV; new men's cross-country skis, boots, size 10½; sun lamp; small stereo, 821-1304, after 7 p.m. 1979 Chevrolet Nova four-door sedan; baby's car seat; bathtub and toilet, 856-9835, after 5 p.m. Maple kitchen table and four chairs; two-burner rangette with oven; two occasional chairs, 824-3080. Lowrey electric organ, Ext. 3813 or 824-4432. Thirty-three gallon aquarium, with stand and canopy, 824-0275. 1975 Ford Granada, power steering, 821-4844, after 6 p.m.
Wanted: IBM Selectric self-correcting typewriter for departmental purchase, Marj, Ext. 8773. 1978 VW Westphalia camper van, good condition, 843-3012, after 6 p.m. Ride to McMaster University every Monday for 9 a.m. class, 823-1294, evenings.
For Rent: One-bedroom apartment, downtown, 822-4434.

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