

NEWS BULLETIN

UNIVERSITY OF GUELPH



Dean Richards at home with his wife Mary.

Dean Richards to retire

Ten most dynamic years in OAC history

When Rick Richards retires from the job of Dean of the Ontario Agricultural College in July he will have guided the OAC through the ten most dynamic years of its history. Reviewing these ten years we see how much this phase reflects both Dean Richards' vision and also his powers of diplomacy.

The Ontario Agricultural College has moved into position as an integral part of the new University of Guelph, without losing either its crucial relationship with the Ontario Department of Agriculture and Food or its long-standing openness to rural needs and interests.

The Dean's office was set up July 1, 1962, when the founding colleges were federated under the direction of a single president. Besides his academic administrative responsibility, Dean Richards' job has been to assure the people of Ontario that OAC is still here to serve rural Ontario and cooperate fully with ODAF.

Dean Richards, who is a believer in a two-term stint for a Dean, takes partial responsibility for the decision to keep the OAC name despite all the changes that have been made within the College in adapting to the University structure. "The old name has an image, and it is a well recognized name on a national and international scale. Besides," he adds "we have a very strong and viable alumni group who have been at the core of our development — and they want to maintain the familiar name as it is a tie with the past."

In an era when most agricultural colleges have decreased in strength OAC has been able to spin off from its old departments two new self sustaining colleges (College of Physical Science and College of Biological Science) and still maintain its importance. "The increase in number of students in agricultural science has been the largest at Guelph of any University in Canada," Dean Richards notes. Because of our most imaginative and most affective educational programs," he says "we have grown in important ways in the last decade. We have introduced the elective

system for course programs. We have involved students in college-student program committees and we have moved into new degree programs: Bachelor of Landscape Architecture, Bachelor of Engineering, and Bachelor of Science in Food Science and Earth Science."

Although not entirely on the three semester system, freshmen students are accepted in the Science in Agriculture program in May as well as September.

While helping academic committees through the careful process of opening up these spectacular new areas, Dean Richards has made sure that all move together in a generally scientific orientation. He has also kept up pressure in student recruitment so that the new programs would find appropriate acceptance in the professional community.

"For the first time," says the Dean "we have tried to document our commitments and rationalize our research." OAC is still the research arm of ODAF, he says, and maintaining the strong relationship with this major research contractor has been an essential part of the Dean's job. Among important results of this cooperation and research he cites the impact of OAC research in recent years on changing the land resource use pattern in Ontario. He cites as an example the replacement of oats as a feed crop by corn and soybeans. Research in animal science and food science can show similar real results.

The impact of our new research station at Elora is just making itself felt. The thousands of hours that have gone into its organization and working out of an operational agreement with ODAF, have been well spent and will pay dividends of which we'll all be proud, in the future. "I consider the new Station one of most significant projects undertaken by OAC in its history."

Looking forward, Dean Richards sees a major challenge in the developing contribution of OAC to the whole University. "We must," he says, "provide opportunities to as many University of Guelph students as possible to

participate in programs of OAC. We want the whole University to see how we relate to agriculture and to society as a whole."

Environmental development, resource use and management and rural community development are areas where all University students could benefit from fitting OAC courses into their studies.

Dean Richards cites Aggie Week and College Royal as two important functions by which agricultural students reach out to do a public relations job for the whole university as well as among their fellow students. "Our students are purpose oriented: that appears in the mere fact that they elect one of the degree or diploma programs centred in the College. They distinguish themselves by providing leadership to the University as a whole."

As for the rural community off-campus, the Dean emphasizes another challenge here. He has tried hard to allay any resentment in the farm public at the ending of some traditional on-campus agricultural functions. He has emphasized to faculty the importance of remaining available to farm groups, keeping up field days on farms and instituting challenging agricultural conferences.

Agricultural Conference Week held annually the first week of January has been built into the yearly pattern of the new University, Dean Richards notes. His own biggest regret over the past few years has been the loss of some personal associations with farm groups — the Dean's job on campus has been a very exacting and time consuming one. During the term of office Dean Richards also served as a founding member and first president of the Canadian Council of Rural Development. He is a member of Provincial ARDA Committee, and has served on the Grand River Conservation Authority. He was made an Honorary Life Member of the Plant Food Council of Ontario in 1971.

Because of his concern for keeping professional standards high in agriculture, he was elected

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REPORT FROM SENATE

April 18, 1972 Meeting

"It was a long pregnancy and a difficult labor but we think it was worth it!"

With this remark, Professor John Melby introduced to Senate last week the long-awaited draft report on the Aims and Objectives of the University.

While Senate discussion was limited to points for clarification, much more debate on the 16-page report of the Committee on Academic Priorities will likely be heard in coming months since Senate has authorized widespread distribution of the document.

Professor Melby, who prepared most of the report, acknowledged there would be many people who felt the committee had taken the wrong approach and instead should have been more specific.

However, he said, if indeed this approach had been taken, it might well be that within five years, the report would have been obsolete and another would have to be done.

Moreover, he noted, the committee agreed that a lengthy report (the first draft of the report took more than 100 pages) would not be read by everyone and would lead to a prolonged debate.

Professor Melby also acknowledged there would be misunderstandings about the generalities expressed in the report but felt the committee's recommendations allowed sufficient flexibility for the University to adapt to current educational trends and lifestyles while retaining good basic goals.

Several Guelph Senators wondered what the committee had in mind when they noted the "primary objective of the university will be

that of providing undergraduates with the opportunity of a liberal education of quality."

Professor Melby said this thought had its beginnings when the question of the ultimate size of Guelph had been under discussion about two years ago. A consensus of many faculty at that time was that the university's main function was not as a job training centre but the "development of the whole man."

Thus, he said, "an educated man must know a little bit about a great many things or he won't be well-educated."

Other Guelph Senators were puzzled by the use of the terms "metropolitan" and "non-metropolitan" in the report.

Professor J. R. Stevens, another committee member, said the committee didn't want to convey the impression that Guelph should only be concerned with the rural areas in establishing a theme or focus for its graduate studies and research programs, and thus had tried to avoid limiting such work to these areas by the particular terminology. "These phrases are closer to what we think is needed," he said.

President Winegard noted it was the committee's hope in giving general direction to faculty and graduate research themes that the result would be a "natural spillover" into the undergraduate area, particularly in the area of interdisciplinary studies.

"A faculty member wouldn't have to bend a subject out of shape but he could use cross-references where he could," said the president.

Replying to a later question about what were "new needs" the University should be responsive to, Dr. Winegard said that the education of large numbers of students was one of them. Professor Melby added that the committee hesitated in defining them in the report "because they will become apparent as time goes on."

The president said a special Senate meeting would be scheduled for June to discuss the content of the report. Professor Melby noted that the committee welcomes all comments and suggestions on the draft document by June 15.

In other Senate business, a suggestion by the executive committee that a special steering committee be established to study the three-semester system at Guelph was approved.

The 11-member ad hoc committee, which will comprise faculty and administration representatives, will be chaired by Professor D. A. Auld, Economics, who will be full time director.

The academic, administrative, social and financial effects of the three-semester system at Guelph will be studied. The university will attempt to get outside funding for the study (so far DUC has not responded to requests) but the study will proceed, regardless, with a cost estimated at "closer to \$50,000 than \$20,000," by the Vice President (Academic).

A lengthy discussion ensued on a report of an ad hoc committee of the Board of Under-

graduate Studies on invigilation procedures at examinations. Before the report was finally adopted, two motions, one to adjourn debate and the other to refer the report back to the committee for further work were defeated.

Dr. H. M. Dale, chairman of the Board of Undergraduate Studies called Senate's attention to statistics of examination results in all programs in the fall semester, 1971, and reminded faculty that there will have to be "careful adjustments" in student grades in the transition to the pass-by-course system.

A recommendation from the Senate committee for the Centre for International Programs asking for approval of plans for a cooperative research venture between the University and an East African research centre was approved.

The research will be into animal trypanosomiasis, a disease known as sleeping sickness in humans which is the major cause of loss of animal production in a large part of Africa. Several OVC staff members in the department of veterinary microbiology and immunology have been engaged in research into the disease and when Canada's International Development Research Centre became interested in supporting research into the problem, its officials naturally came to Guelph, said Dean Howell.

Dean Howell said that while "political" considerations have delayed selection of a place in East Africa where the cooperative research will be conducted, he anticipated that these would be resolved fairly soon and that a formal proposal would then be forthcoming.

Professor Howard Binns, Centre director, said one of the most important aspects of such a proposed cooperative program is that it provided an opportunity for home-based research.

Replying to a question about the involvement of other university departments in the project, Dean Howell said he could see no reason why this could not evolve eventually. He added that because of the significance of the research, there would be "considerable" funding forthcoming.

During a discussion on Professor Benson's report from recent meetings of the Council of Ontario Universities, it was revealed that a vote to continue support of SACU testing for a further two years carried by a 12 - 11 vote with three abstentions.

Dr. Winegard, noting that the program was costing Guelph between \$50,000 and \$60,000, said it was obvious that other universities besides Guelph did not have continued confidence in the project.

MOTIONS

Executive Committee

Senate approved the establishment of an ad hoc committee to study the academic, administrative, social and financial effects of the three-semester system.

N.R.Richards retires

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as President of the Ontario Institute of Agrologists. These commitments have brought rewards including the election to fellowships of the Agricultural Institute of Canada and the Soil Conservation Society of America, an honorary Doctor of Science degree from Laval University. However they haven't left much time for hobbies and relaxation and for church work that he has always done, or for summer holidays with Mary and the boys.

Dean Richards, who is the author of many scientific publications comes from Lucknow, and is a graduate of both the OAC and Michigan State University.

Dean Richards will return to the Department of Land Resource Science for a period and will then take his year of leave entitlement to study resource management. "Management of resources as related to people and the environment, in which they live," should be an appropriate area for the man who has directed the Ontario Agricultural College into its present position and strength within the University of Guelph.

The ad hoc steering committee includes: Professor D. A. Auld, Economics, Director; A. E. Austin, English; R. P. Gilmor, Provost; A. G. Holmes, Registrar; M. A. MacGregor, Agricultural Economics and Extension Education; J. J. Madden, Economics; J. P. Mokanski, Mathematics and Statistics; J. P. Smith, Vice-President (Academic); N. M. Sullivan, Comptroller; D. A. Upton, Psychological Services; W. Vaughan, Research Associate, Vice-President (Academic); J. D. Hundelby, Psychology; and one student senator.

Board of Undergraduate Studies

Senate approved the following changes in membership of the program committee.

M. K. Bhatnagar, Biomedical Science, will replace G. G. Stott, Biomedical Science, on the DVM Program Committee; and B. D. Fahey, Geography, will replace M. H. Millar, Land Resource Science, on the B.L.A. Program Committee.

Senate accepted the following additional course offerings.

One new course, Britain in the Democratic Age from 1860 will be offered in the Department of History in the 1972 Fall semester; and Eastern Europe in Modern Times; Imperial Russia; Celtic Britain and Ireland since 1603; and The Rise of Industrial Britain, 1760 - 1860 will be offered in the Department of History in the 1973 Winter Semester.

Senate approved the addition of the B.Comm. and the B.Sc. (P.E.) programs to the list using the part-time category in the current calendar.

Senate approved the following replacements on the B.A. program committee.

Dean A. M. Ross, Arts, will succeed Dean J. W. Skinner, Social Science as Chairman of the B.A. Program Committee; and F. A. Dahms, will replace Dean Skinner, who is taking leave of absence commencing May 1, on the same committee.

Senate approved a general policy for advanced standing that becomes effective in May, 1973. Up to a maximum of the equivalent of four semesters of full time study may be granted to students with a degree when switching programs or from another university in the same program.

Senate accepted the report approving examination regulations and recommendations

The report cites the Registrar as being the final arbiter of the manner of conducting examinations, and that policy be set by the Vice President (Academic) and the Board of Undergraduate Studies. Regulations governing finals and mid-terms in University examination halls and in departments are covered in the report.

Senate approved proposals for the University of Guelph to proceed with plans for long-term joint research on trypanosomiasis in cooperation with an institution in East Africa, and to submit, at the appropriate time to the International Development Research Centre in Ottawa, a request for financial support of the project.

Senate received the Draft Report of the Committee on Academic Priorities — Aims and Objectives of the University — for initial discussion.

All interested individuals and groups are invited to submit comments and suggestions on this draft report to the Committee by June 15, 1972.

Recommendations contained in the report are as follows:

- A. that the primary objective of the University will be that of providing undergraduates with the opportunity for a liberal education of quality;
- B. that in its graduate studies and research programs the University will have as its central concern studies dealing with the quality of life in a non-metropolitan setting and with the interaction between metropolitan and non-metropolitan environments; and that this central concern will be reflected, where feasible and appropriate, in all teaching programs;
- C. that the University continue to develop its contributions to society, including its international contributions, in harmony with its objectives.

With these general principles in mind, the Committee proposes further:

- i. that a standing committee of Senate be named, to include faculty members, students, and representatives of the Provost's office, to foster the integration of the academic and non-academic resources of the University in the learning process, through strengthening faculty-student relations outside the classroom, through special adaptations of the residence system such as French House, through more intensive counselling, and so on. This committee should meet jointly at least once a year with the Committee on Teaching and Learning.
- ii. that Senate direct the Board of Undergraduate Studies:
 - a. to study the need and potential for interdisciplinary instructional programs and propose mechanisms for developing them.
 - b. to study the feasibility of developing innovative courses and make appropriate recommendations to Senate.

to Senate.

- iii. that Senate direct the Board of Graduate Studies:
 - a. to review carefully the graduate programs of the University in the light of the three principles stated above and make appropriate recommendations;
 - b. to seek ways of facilitating the development of interdisciplinary programs.
- iv. that Senate direct the Library Committee to review the policies of the library in the light of the three principles stated above.
- v. that Senate direct the Research Advisory Board:
 - a. to seek ways of integrating research activities more closely with the teaching program of the University, in cooperation with the Boards of Undergraduate and Graduate Studies.
 - b. to seek ways of increasing interdisciplinary research.
- vi. that Senate direct all Colleges that have not in the past two years had full-scale reviews of their programs to do so now and report to the Committee on Academic Priorities.
- vii. that the Vice-President, Academic, be responsible for the coordination and continuing review of the developments herein envisaged;
- viii. that Senate and the Board of Governors inform the Committee on University Affairs that when the combined undergraduate and graduate enrolment has reached a range between 10,000 and 11,000 we will permit further increase only if unforeseen circumstances require it.

(Copies of the complete Report will be sent to each Department next week. If further copies are needed please contact the Department of Information.)

PUBLICATIONS

Ellis, C. R., 1972. Susceptibility to two strains of *Sitophilus granarius* to 1, 2-dibromoethane. 1. effect of weight-dependent respiration and fumigant uptake on strain susceptibility. *J. Econ. Entomol.* 65(1): 42-47. (Environmental Biology)

Top, R. C., and H. C. Carlson, 1972. Studies on avian heterophils. II. Histo-chemistry. *Avian Dis.* 16: 369-373. (Pathology)

Topp, R. C., and H. C. Carlson, 1972. Studies on avian heterophils. III. Phagocytic properties. *Avian Dis.* 16: 374-380. (Pathology)

Valli, V. E. O., T. J. Hulland, B. J. McSherry, G. A. Robinson and J. P. W. Gilman, 1971. The kinetics of haematopoiesis in the calf. I. An autoradiographical study of myelopoiesis in normal, anaemic and endotoxin treated calves. *Res. Vet. Sc.* 12: 535-550. (Pathology)

Tomkiewicz, J. and M. Fugimoto, 1972. EPR of cationic radicals formed by UV irradiation of Cu²⁺-doped amino acid crystals at 77°K: glycine and dimethylalanine. *J. Chem. Phys.* 56, 3317-3319. (Physics)

Topp, R. C., and H. C. Carlson, 1972. Studies on avian heterophils. I. Cell separation. *Avian Dis.* 16: 364-368. (Pathology)

Fujimoto, M., and S. Saito, 1972. EPR studies of UV-induced free radical conversion in irradiated amino acid crystals. *Bull. Am. Phys. Soc. II* 17, 328. (Physics)

Convocation ceremonies

May, 1972

Wednesday, May 24

a. m. B.A. (General), Speaker — Dean N. R. Richards.

p. m. B.A. (Honors), B.Sc. (Honors), Speaker — Mr. R. P. Gilmor.

Thursday, May 25

a. m. B.Sc. (General), B.Sc. (P.E.), Associate Diploma, Speaker — Dean K. Ronald.

p. m. D.V.M., Graduate Degrees, Speaker Mr. F. W. Presant, A Fellow.

Friday, May 26

a. m. B.A.Sc., B.Sc. (Eng.), B.L.A., Speaker — Mrs. A. F. W. Plumtre.

p. m. B.Sc. (Agr.), Speaker — The Hon. J. W. Grant MacEwan, Lieutenant-Governor, Province of Alberta.

Canadian musical heirlooms presented to University

Music has serenaded every generation of Canadians — played, sung, and enjoyed by immigrants of every nationality on instruments from their native lands. In cottages, cabins and drawing rooms, the sounds of their music formed part of Canada's developing cultural heritage.

Some of these instruments, Canadian musical heirlooms, will be on display in McLaughlin Library during the Guelph Spring Festival, from April 30 to May 31. They are part of a musical instrument collection recently given to the University of Guelph by Mrs. Barbara Coleman, a native of Guelph who now resides in Toronto. Despite the musical interests of her parents, she didn't pursue her musical inclinations in earnest until her children reached their teens. She learned to play classical guitar and mandolin and started a wide ranging search for old music written for these lute family instruments, and literature about composers and playing techniques.

This search has led Mrs. Coleman down back streets and into dusty vest pocket music shops in Britain and Europe. She discovered through this musical history, colourful stories of different countries, different cultures and earlier periods of history.

Among the Canadian heirlooms in the collection are three zither-type instruments, found in the Baden (Ontario) area. They were the pioneers' much smaller substitute for a piano.



Mrs. Barbara Coleman, left, tells her childhood friend, Mrs. Edith Kidd, Concert Manager, some of the colourful history of this 18th century hurdy gurdy. It has two melody strings, plucked simultaneously with keys, and four drone strings, played by turning a rosined wheel.

Lute family instruments, represented in the collection by an Indian sitar, a Swiss lute and a Ukrainian balalaika, have found their way into the musical history of nearly every

country. They entertained royalty and peasant alike in the Renaissance. Mrs. Coleman describes early versions of rock festivals where "Midevil hippies" played, sang and recited poetry. Sailors took these portable, soft-toned companions to sea, playing for themselves during the lonely weeks on the ocean and bringing the music of their countries to their ports of call.

An 18th century French Hurdy Gurdy and a Swedish Nyckelharpa are the oldest instruments in the collection. Although some form of these instruments has been used since the 10th century, the Hurdy Gurdy is the first record of two strings being plucked together (i.e. a chord). In addition to the two melody strings, a rosined wheel is turned, creating a vibration of two drone strings.

The collection's most unusual piece, an umbrella viol, was designed and made by a 19th century violin maker who tried to combine the qualities of the Japanese koto with the violin.

These instruments say much about the cultural heritage of the native countries of Canada's immigrants. Mrs. Coleman, in her search for the instruments and their music, discovered that the instruments "play the sounds of many countries in many periods. As part of Canadian and musical history, they should be preserved for future generations of music lovers."

German Expressionist Prints exhibit here

An exhibition of McMaster University's Collection of German Expressionist Prints will open April 30 in the University of Guelph's McLaughlin Library. The woodcuts, etchings, dry points and lithographs by 11 German expressionist artists cover the period 1890 to 1930.

The term expressionism is used in Germany to describe the art of younger artists of the period who were rejecting the accepted academic style of the 19th century. In 1905 Erich Heckel, E. L. Kirchner and Karl Schmidt-Rottluff came together in Dresden to form a group called "Die Brücke." They explored print techniques which produced strong and even violent affects. Max Pechstein and Otto Müller joined them and in 1911 the group

moved to Berlin but dissolved in 1913 as members developed individual styles. Also included in the exhibit are these expressionist artists not connected with "Die Brücke" group: Kaethe Kollwitz, Ernst Barlach, Lovis Corinth, Emil Nolde, Oskar Kokoschka, Ludwig Meidner, Max Beckman and Otto Dix.

The works seen in this exhibition although discarding the style of the immediate past, still evolved from the long tradition of German printmaking which German artists have mastered since the days of Albrecht Dürer (1471 - 1528).

McMaster University's collection of German Expressionist graphics is one of the most extensive in Canada. The Guelph exhibition will be the first showing of the prints outside of McMaster University.

The organizers of this exhibit are George Wallace, Professor of Fine Arts, McMaster University and Mrs. Judith Nasby, Curator of Art, University of Guelph.

Professor Wallace will give an illustrated public lecture on "German Expressionist Prints" Tuesday, May 9 at 12:10 p.m. in Room 107, Arts building. The exhibit is open to the public without charge Monday to Saturday 9 a.m. - 10 p.m. and Sunday 1 - 10 p.m. until May 24.



Emil Nolde. Dr. L. (Ebert, 1912. A woodcut.

Better bag developed

The University of Guelph's Department of Food Science received considerable publicity last week when a new package from "bag" milk designed to better preserve milk quality was introduced by the Borden Co., Ltd., of Toronto. After being developed the package was turned over to Dr. John de Man, chairman of Food Science, who conducted independent tests.

Spring Festival news

Guests of the Guelph Spring Festival, will be interested in the exhibition of paintings by Ron Bolt to be seen in the Faculty Club during Festival time. The Exhibition is a series of canvasses depicting Mr. Bolt's impressions of Mahler's "Das Lied von der Erde" and his symphonies. This Mahler series includes six large canvasses and several charcoal and pen and ink drawings.

Mr. Bolt is a trained graphic designer and an avid amateur musicologist, holding an Associateship with the Royal Conservatory of Music.

His present exhibition at the Lilian Morrison Gallery in Toronto is almost a sell-out and pictures on show during the Festival will be priced from \$200 – \$1200. Several canvasses are already on reserve.

Water safety offered

During each semester the Recreation Department of Physical Education offers water safety and swimming lessons to all faculty, staff and students. Also included in the program are lessons for children of all ages. Instruction is available at all levels from beginners through Bronze, Award of Merit, Leader Patrol and Distinction.

All those interested contact the Physical Education building, 824-4120, Ext. 2215. Registration for classes is open from May 8 to May 12.

"Remember the life you save may be your own, Learn to Swim beginning NOW."

Keep fit classes begin

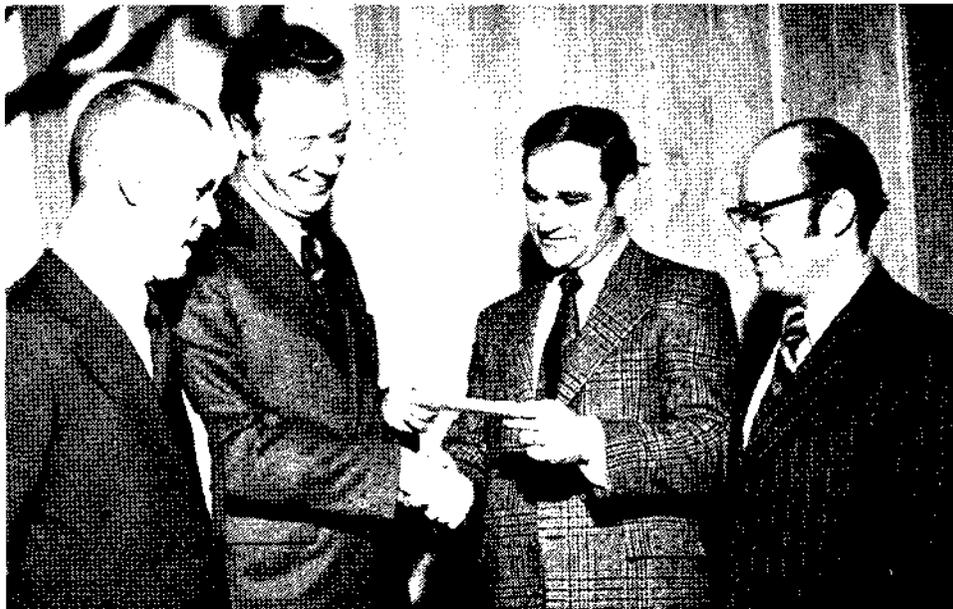
The ladies keep fit classes are resuming on Tuesday, May 2, at 12:15 p.m. They will continue on Tuesdays and Thursdays each week until further notice.

Grateful driver

The following letter was received from a grateful driver.

"Yesterday when I left to go home my car, parked by the barn, wouldn't run properly. It just chugged and coughed and I sat there thinking there must be some trouble in the gas line. A student in an OAC jacket stopped and offered to look under the hood to see if he could get it going for me. After about ten minutes a second student came and they worked together for a while. The first lad had to leave because he had an exam and the second one worked for nearly an hour.

"I don't know who they were and they wouldn't take any money for their efforts. But I really thank them for being so helpful. My thanks also to the fireman who lent a wire brush to clean the spark plugs and to the policemen who offered to radio for help from a garage."



The Ontario Association of Real Estate Boards presented a cheque in the amount of \$1,000 to the University of Guelph to be used in fostering courses of value to the Real Estate Industry. From left: Douglas Powell, President of the Guelph and District Real Estate Board; Lee Hoppe, Kitchener, Vice-President of Region 2, Ontario Association of Real Estate Boards; Dr. Mark Waldron, Director of the University's Office of Continuing Education; and Milton Thomas, Chairman of the Guelph and District Real Estate Board's educational committee.

Real Estate Boards donate funds

The Ontario Association of Real Estate Boards presented a donation of \$1,000 to the university yesterday, April 19 to be spent in fostering courses of value to the Guelph area real estate industry.

The money, says Dr. Mark Waldron, director of the university's Office of Continuing

Education, is to be spent on the development of courses, the buying of books and other materials as library resources, and the taping of course lectures. These tapes could then be kept in the library's listening room, so that persons taking the courses can review them when they wish.

In connection with the donation, Milton Thomas, chairman of the education committee for the Guelph and District Real Estate Board, said that courses for real estate personnel, which are being offered through the Office of Continuing Education, are of great value. "Real estate people must be as knowledgeable as possible in order to provide service to the public," he said. "We are very fortunate to have university facilities so close at hand for our use in this respect." Dr. Waldron said that the donation is especially significant coming from a voluntary organization during an economic slow-down, and assisting in a teaching program.

Three courses connected with the real estate industry are being offered at the University, both to real estate personnel who require them for professional training, and to the general public. Principles of Business Law, a course taught by Guelph area lawyers, started in January and runs to the end of May. In the fall, a course in sociology, named The Community: Plans and Lifestyles, will be offered. And next winter the course, Principles of Economics, will be given.

Central Reservations moves

During the Fall and Winter Semesters, the Central Reservations and Conferences Office is primarily involved with scheduling temporary events taking place on campus.

During the summer months this office continues to book temporary events but also accommodates conference groups.

Lambton and Lennox Addington are the two main residence halls that are used for conference groups. To enable the Central Reservations and Conference Office staff to offer the conferences a better service they will be moving, temporarily, to Lambton Hall, which will be more central for all those involved in summer operation.

The room numbers will be 136, 137 and 160 Lambton Hall. The telephone numbers will be 3015, 3045, and 3027 for the secretarial staff, 2638 for Mrs. L. Keith, Assistant Director, Central Reservations and Conferences, and 3064 for summer assistants.

Ontario orchardists benefit from recording instruments

A temporarily unused drafting table and the window sills in Professor Jim Scott's office are stacked with recording instruments that will save Ontario orchardists thousands of dollars a year. They'll also help protect the environment.

The little machines are a joint effort of Professor Walter Wilde of the Department of Environmental Biology, and Professor Scott of the School of Engineering.

For years, apple growers have sprayed their orchards every few days with fungicides to protect the crop against apple scab. However, if the weather stays dry you don't need to spray because moist conditions are needed in the trees for the growth and entry of the spores into leaves and fruit. But most growers have kept on spraying so there would be a protective coating on the leaves just in case a dull, damp day should come along.

The higher the temperature, the shorter the spell of leaf wetness needed to trigger an infection of apple scab in the orchard. The problem has been the difficulty in knowing precisely how long wet conditions existed on the leaves, and how low the overnight temperature dropped. Temperatures could easily be recorded on a minimum — maximum thermometer in the orchard (until some hunter took a pot shot at it), but wetness was another matter.

"Some growers tell us," says Professor Wilde, "that they send out the dog, and if he comes back wet they know it is wet in the orchard. That is hardly accurate enough for today when chemicals are so expensive, and only blemish-free fruit can be sold." The scab infection chart in the ODAF fruit production recommendation calendar showing the critical combinations of temperature and length of wet period are of little help without more accurate measurement of the orchard environment.

Professors Scott and Wilde have taken an ordinary thermograph and added another sensing element and pen to record leaf-wet periods. This provides temperature and leaf-wet information essential to efficient use of scab control chemicals.



Professor Jim Scott and Professor Walter Wilde display their orchard environment recorder which tabulates details of temperature and leaf wetness in the trees.

Using all new components, the machine can be produced for two hundred and fifty dollars or less. A used thermograph at bargain store prices, could halve the cost.

"A large grower could spend more than the price of his recorder in the chemical costs for a single spray application," says Professor Wilde, "and there is every indication from seven years of field trials that a grower should be able to reduce his use of scab control chemicals by 25 - 35 per cent." Professor Scott and Professor Wilde expect that in 1972 about a dozen of the recorders will be in use in several areas of Ontario. If there were enough to service the 40 to 50 apple growing areas in the province it could save growers an estimated half million dollars in chemical costs in one year, they suggest.

There are other substantial benefits to the

orchard owner from the reduced spray program made possible by accurate recording of orchard conditions. In test plots where the restricted spray program has been used, it has been observed that beneficial insects in the orchard survived better. These include a number of species that are predators of aphids and mites, both troublesome orchard pests.

In addition, there is the plus factor of using smaller amounts of chemicals and thus reducing the possibility of causing environmental pollution, whether that pollution is great enough to detect or not. Finally there is a saving to the grower above the cost of chemicals needed for extra sprays. If he can eliminate some of his spray applications, he has more time to do other important work on his farm, or perhaps he can cut down the number of hours he must work during the week.

H. Wiseman attends UN seminar

The International Peace Academy under the direction of General Indar Rikhye, former military advisor to the Secretary-General, organized a seminar on United Nations Peacekeeping and Human Rights at Mohonk Lake, New York.

The meeting was attended by some thirty diplomats accredited to the United Nations whose responsibility it is to discuss and formulate proposals on these matters in the respective committees of the United Nations, together with a small group of academics with

research interest in these areas.

It was a unique opportunity for both groups to exchange ideas on an informal basis.

The guest speaker was U Thant, recently retired Secretary-General of the United Nations.

Professor Henry Wiseman of the Department of Political Studies, was invited to attend the Conference at which he presented a paper, Peacekeeping, social change and conflict resolution: some proposals.



U Thant chats with Henry Wiseman.

Mon Oncle Antoine here for Festival

Presently showing to enthusiastic audiences in New York and winning high praise from the critics, Mon Oncle Antoine is one of the featured films shown on May 10 during the Guelph Spring Festival.

This day, devoted to the art of the motion picture, is coordinated by the well-known film critic Gerald Pratley and will feature several short documentaries as well as two full-length films.

Mon Oncle Antoine is set in a small Quebec village in the mid-forties. The dusty, grey mountains which surround the village provide at least a living for the inhabitants. For the grey mountains are the slag heaps of the asbestos mines. Monsieur Antoine, local merchant and undertaker, rules over a family composed of his wife, his nephew Benoit, Ferdinand the clerk and Carmen. In the midst of domestic drama and occasional comedy, Benoit and Carmen rush headlong into adult life. Carmen discovers the tears and joys of being a woman and Benoit experiences his first love.

Benoit accompanies his uncle to pick up the body of a dead child and as he faces death, solitude, treachery and the weaknesses of the adult world, the sleigh trip becomes, for him, a journey into manhood.

The other full-length film promises audiences an exciting sneak preview of a new Canadian film, The Rowdyman. Gordon Pinsent has written the script and also stars in the film as Will Cole. Pinsent admits the story is semi-biographical. Will Cole, he says, is "the sort of Newfoundlander I might have become had I stayed in Grand Falls." Cole also likes the good times, laughs at the bad and lives to experience both in his own way. Produced

by Lawrence Dane and directed by Peter Carter, this new film stars Linda Goranson, Frank Converse and Will Geer as well as Pinsent.

The films will be shown at the Palace Theatre. Mon Oncle Antoine will be featured at the 2 p.m. showing and The Rowdyman at the 8:30 p.m. showing. Tickets are available at The Courtyard Box Office, the Campus Box Office, and will be offered for sale during the student registration on Monday, May 1. General admission is \$1.75; students are \$1.25 and children are 50¢.

Festival program

Friday, April 28

- Pre-Festival 5th Birthday Gala
- Film: "Tales of Beatrix Potter"
- The Royal Ballet

Saturday, April 29

- Choral Concert: Guelph Concert Singers, Hamilton Bach-Elgar Choir and Hamilton Philharmonic Members. Conductor: Chas. Wilson, Soloist: Allan Monk

Sunday, April 30

- Joint Recital: Bouchard and Morrisett Duo Pianists
- Art Opening: 3:00 p.m. German Expressionist Prints

Monday, May 1

- Joint Recital: Lois Marshall, soprano, Maureen Forrester, contralto

Thursday, May 4

- Recital: Ravi Shankar and his musicians. Ravi Shankar — sitar, Alla Rakha — tabla

PERSONALS

FOR SALE

'70 Dodge Monaco, 2 door hardtop, 824-6156; 7 piece dinette suite, woodgrain arborite table, 821-0732; Panasonic portable 19" TV. Ext. 3701; New acorn fireplace, black, with wood grate, screen and chimney, Ext. 3572.

HOUSING

For sale — 3 bedroom bungalow near campus, 824-8045; For sale — 3 bedroom split level house, near campus, 822-5186; For rent — June 1 to August 31, stone house, 84301248; For rent — 3 bedroom furnished townhouse near campus. May 1 to July 31, 824-9035 or 821-0662.

MISCELLANEOUS

Wanted to buy, croquet set, Ext. 3134; Wanted to rent — a garage, Ext. 3236; Free — 3 kittens (6 weeks old), 823-2566.

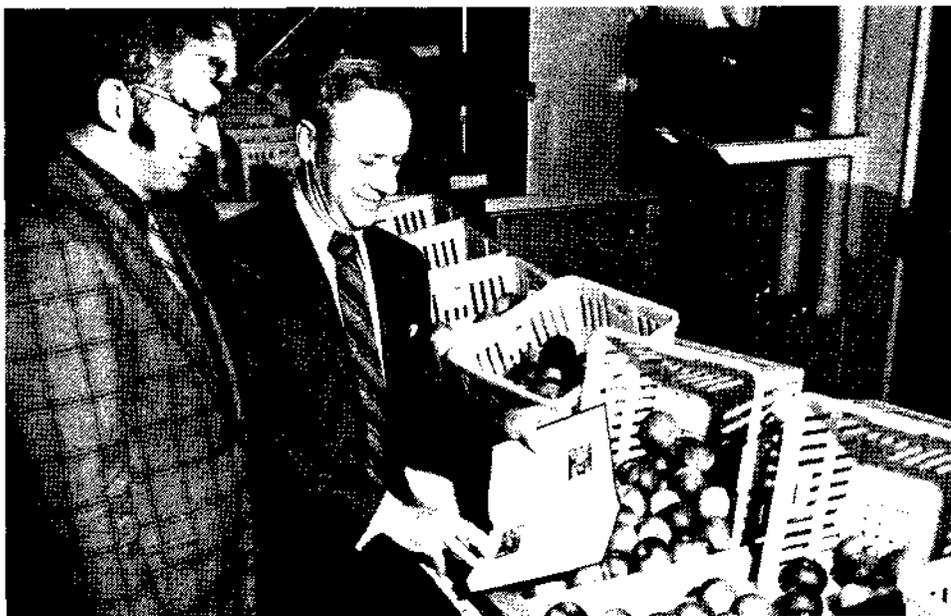
APPOINTMENTS



Dr. L. J. Martin has been appointed Assistant Professor in the School of Agricultural Economics and Extension Education.

Dr. Martin will be teaching undergraduate and graduate courses in agricultural marketing.

He obtained his B.S. and M.S. degrees at Ohio State University and his Ph.D. at the University of Illinois.



Professor B. J. Teskey, of the University's Department of Horticultural Science uses his recently-published book, *Tree Fruit Production*, to check a point in connection with apple storage. With him is Professor D. P. Ormrod, chairman of the Horticultural Science Department.

B.J. Teskey co-authors

fruit tree textbook

Tree Fruit Production, a text book written by Professor B. J. Teskey of the University's Department of Horticultural Science and Professor James Shoemaker, Professor emeritus of the University of Florida and former head of the University of Guelph's Horticulture Department, has recently been published in revised form.

The book, which is 336 pages in length and contains some 800 references, is concerned with deciduous tree fruits, including apples, peaches, cherries, pears, plums, apricots, and nectarines. It is meant primarily as a university text and reference book, but can also be used as a guide for orchard practice.

The present edition is completely revised from the original, which was published in 1959.

NEXT WEEK AT GUELPH

FRIDAY, APRIL 28

T.V. — SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 7 p.m.
Seminar — MACDONALD INSTITUTE ALUMNAE ASSOCIATION. Register 4:30 to 6:30 p.m. Lambton Hall — Continues Saturday, April 29.

SATURDAY, APRIL 29

Colloquium — THE SCOT IN POLITICS AND THE REBELLION OF THE '45, by the Inter-Departmental Committee on Scottish Studies. (See story in this issue of the News Bulletin)

SUNDAY, APRIL 30

Seminar — COMMUNITY CABLE TELEVISION BROADCASTING.
Sponsored by the Office of Continuing Education.
Art — GERMAN EXPRESSIONIST PRINTS FROM THE MCMASTER UNIVERSITY COLLECTION. Opens in the browsing area of McLaughlin Library. Open to May 24.

MONDAY, MAY 1

Students — REGISTRATION FOR SUMMER SEMESTER.

TUESDAY, MAY 2

Students — CLASSES COMMENCE.

WEDNESDAY, MAY 3

Worship — ANGLICAN EUCHARIST, 12 noon. 2nd floor lounge, Macdonald Hall.
Radio — ANALYSIS, news and comment from the University of Guelph. CJOY-FM. 106.1 7 p.m.

THURSDAY, MAY 4

T.V. — SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 2 and 5:30 p.m.

KEEP THESE DATES

May 6 — MILES FOR MILLIONS WALK.
May 15 — LORD TERRENCE O'NEILL, former P.M. of Northern Ireland. Speaking on campus.
May 18 — ENVIRONMENTAL PHYSIOLOGY OF DOMESTIC AND WILD UNGULATES IN THE TROPICS SYMPOSIUM.
July 17 — FACULTY CLUB GOLF TOURNAMENT.

Scottish Studies colloquium

The 5th Colloquium on Scottish Studies will be held at the University of Guelph on Saturday, April 29.

The Scot in Politics is the title of the morning program and during the afternoon the groups will discuss, The Rebellion of the '45. The sessions will be held in Music Room 107 of the Arts building.

PROGRAM

The Scot in Politics

10:00 a.m.

"John Knox, Revolutionary or Reformer?" by W. Stanford Reid, Professor of History, University of Guelph.

11:15 a.m.

"The Scottish Immigrant and the Family Compact: Assimilation vs. Opposition," by Fred H. Armstrong, Associate Professor, Department of History, University of Western Ontario.

The Rebellion of the '45

2:30 p.m.

"The Social Impact of the '45." by Ronald Sunter, Sessional Lecturer, Department of History, University of Guelph.

4:00 p.m.

"The Songs of the '45," by George Emmerson, Associate Professor, Faculty of Engineering, University of Western Ontario.

Library check out point ensures fast service

Library operating efficiency will be greatly improved by a new installation at McLaughlin Library. The equipment has been installed during the semester break and will be in full operation next week.

Many faculty and students work daily at study carrels in the library, and the installation of the new 3M detection system permits them to enter and leave freely without bothering with briefcase checks. This will greatly facilitate traffic flow at the library entrance, says Mrs. Margaret Beckman, Chief Librarian.

At the same time, the book detection system will remind absent minded patrons about any book they are carrying that has not been checked out. Many books must be kept available in the library at all times to meet the needs of students and faculty.

"Our objective is to achieve fast, effective operating procedures at the check out point, as in all other phases of library operation, and at the same time to ensure the most effective use of our library resources," says Mrs. Beckman. "We feel that the installation of the new system will enable us to do that."

The University of Guelph, whose McLaughlin Library is noted for its innovative features, is the first Canadian library to install the 3M system, which now operates in more than 20 U.S. libraries. The Guelph librarians look forward to further improvement in operating efficiency with the installation.

The system requires very little in the way of installation time or labor, and the exit corridors can be moved to a new location if traffic flows or other physical needs make it necessary.

Training time for library personnel is minimal, and the system requires no change in habit on the part of library users.

Job opportunities

New Listings as of April 21, 1972

Assistant Director, Student Affairs. Salary commensurate with qualifications and experience.

East Residences Coordinator, Department of Residences. Salary commensurate with qualifications and experience.

Stenographer, Department of Zoology. Salary range: \$75.30 — \$107.70.

Agricultural Assistant, Dean's Office, Ontario Veterinary College. Salary range: \$113.49 — \$123.75.

Library Assistant, The Library. (Correction). Salary range: \$65.25 — \$98.79.

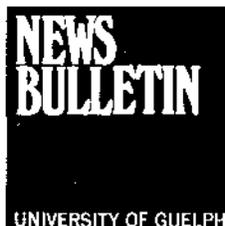
Grounds Material Handler, Auxiliary Operations, Grounds Department. Salary range: \$2.62 — \$2.90.

Custodian 1, Auxiliary Operations, Housekeeping Department. Two required. Salary range: \$2.16 — \$2.40.

Custodian 3, Auxiliary Operations, Housekeeping Department. Salary range: \$2.16 — \$2.90.

For further information on the above positions contact the Employment Office, Extension 3058 or 3059.

The News Bulletin is published every Thursday by the University of Guelph's Department of Information. News items must reach the editor, Mrs. Betty Keeling, at the Information office, Room 361, McLaughlin Library (Ext. 3863) by noon Friday. Articles and news items may be quoted or reproduced in full.



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