

NEWS BULLETIN

UNIVERSITY OF GUELPH

Celtic Studies an interdepartmental project

A centre for Celtic studies at the University of Guelph?... That is a fair possibility: for the federal government is considering subsidizing centres at Canadian universities for the study of different ethnic groups.

Now there are ethnic groups and ethnic groups. Your own, be it Indian, Polish, Malaysian, or even English is doubtless superior. But the contribution to Canada made by certain groups is paramount: for example, there is the contribution made by the Celtic peoples, particularly the Scots and the Irish, who have left a lasting imprint on many aspects of Canadian culture. It is this group that Guelph is hoping to "capture."

"We believe the university has a fair chance of being named to host a centre for Celtic studies," says Professor W. Stanford Reid of the University's History Department. It has developed a number of projects relating to Celtic, especially Scottish history, and its influence on Canada:

— Annual conferences on Scottish studies have been organized at the University for the past five years, and have included speakers from Scotland as well as the United States. The proceedings from these conferences are published in booklet form, and have, Professor Reid notes, been well-received: there are standing orders for them from libraries across Canada and in much of the United States, as well as in Scotland.

— Several books are in the making. For instance, there is *Scottish Tradition in Canada*, a volume being edited by Professor Reid, containing chapters contributed by 12 Canadian scholars. Six of the chapters are being written by University of Guelph faculty



Members of the Interdepartmental Committee for Scottish Studies look over three-century-old Scottish manuscripts that are part of the University's library collection. They are, seated from left, Professor W. W. Straka, Professor W. Stanford Reid, and Professor A. M. Evans of the Department of History, standing are Professor Ranald Nicholson, also of the History Department, Professor J. A. McIntyre and Professor K. J. Duncan of the Department of Sociology-Anthropology, and Professor John Hems of the Department of Philosophy.

members — Professor A. M. Evans, Professor D. C. Masters, and Professor Reid of the History Department; Professor K. J. Duncan and Professor J. A. McIntyre of Sociology and Anthropology; and Professor M. E. Waterston of English. The federal government has granted \$5,000 toward paying the book's costs, and will publish it as part of a historical series on Canadian ethnic groups. Other faculty members are engaged in similar projects: Professor Ranald Nicholson is working on a history of Scotland from 1289 to 1513; Professor W. W. Straka is researching Scottish influences on Poland from the sixteenth to eighteenth centuries.

— The University has, in Professor Reid's view, one of the best collections of Celtic material in Canada. It includes most of the publications of the Scottish historical clubs. There is also a complete set, probably unique in North America, of the statutes of the Irish parliament (which ran from the sixteenth century to 1801); plus the longest run in existence (from 1774 to 1814) of the *Edinburgh Advertiser*, in its day Scotland's most influential newspaper. "In addition," says Professor Reid, "we have several manuscript collections that we eventually hope to publish."

— The University's research into things Celtic benefits from the historical background of the Guelph area: the area was settled by people largely of Celtic, especially Scottish origins. Their descendents often take a lively interest in Celtic lore: they attend the conferences on Scottish studies, and have contributed manuscripts and family letters to the University's library. One such collection contains some 350 letters and was brought

from Scotland in the 1850's; it is now kept in the Library's vault.

Celtic studies at the University of Guelph are coordinated by an interdepartmental committee composed of faculty members from such departments as Sociology and Anthropology, English, and Philosophy, as well as History. It has, up to the present, focussed primarily on Scottish studies. "But Scottish studies is in many ways closely related to the Celtic in general," says Professor Reid. "Therefore, we are also concentrating on Irish aspects. For instance, Professor John Boyle, who is joining the History Department this fall, has specialized in Irish history. Professor Duncan of the Sociology & Anthropology Department is gathering material on Irish settlement in Canada."

A number of graduate research projects are being carried on. This year, for instance, four Ph.D. theses in Scottish history are expected to be completed. "We have received applications," says Professor Reid, "from the some excellent graduate students, in the United States as well as Canada, who wish to come here to carry on Ph.D. research."

Such developments reflect the importance that Celtic studies is assuming at the University of Guelph. But whether these developments are crowned with the naming of Guelph as a centre for Celtic studies depends on Ottawa — specifically, it is a decision for the secretary of state and his department. Nevertheless, Guelph appears in a good position to be recognized as the country's foremost University for Celtic studies. And whatever your own national preference, you will no doubt concede the importance, if not the superiority, of the Celtic influence in Canada.

REPORT FROM SENATE

June 6, 1972 Meeting

Summer is the traditional time for Canadians to take life a bit easier. For members of the Committee on Academic Priorities, however, this summer will require some stepped-up activity as they redraft parts of the important report on the Aims and Objectives of the University of Guelph.

While the re-drafting of the 16-page document may require some time it would appear from a 3½-hour discussion at Senate last week that the Committee is at least on the right track.

The special meeting was called solely to discuss the Draft Report on the Aims and Objectives of the University which was tabled at the April meeting. The Committee will take comments made during the evening along with a number of written submissions and consider these during the summer before bringing in a final report and recommendations in September.

Almost all of the University's Senators seemed to agree with the comments of E. I. Birnbaum, chairman of the Board of Governors, who found the meeting "one of the most satisfying sessions of Senate" he had ever attended. Mr. Birnbaum added that it was a pleasure to listen to "a serious debate conducted in an intellectual fashion without emotion."

Professor John Melby who, in presenting the report to Senate, said the Committee had been pleased with the "high level and general tone" of the written briefs that had already been received. The briefs were in response to the distribution of the Draft Report to all members of the academic community and alumni. While there were obvious overtones of uneasiness expressed in many briefs about the report's intentions, there was a "total lack" of "gripping and snide remarks" in the responses, a particularly gratifying finding, he said.

Comments that have been received to date, he noted, centre around the Committee's choice of "metropolitan versus non-metropolitan", the emphasis on a central theme of graduate studies and research; the words "primary objective" and the definition of a "liberal education."

Professor Melby said the "non-metropolitan" term had been chosen by the Committee after considerable discussion but emphasized that it was not so much a geographical designation as a "point of departure" for the University.

The terms "central concern" and "major emphasis" obviously had given rise to "unfounded" fears on parts of the campus, Professor Melby said. The Committee had no thought of radical changes occurring, only hoping that each department and each college would do its best to see how their programs could align themselves with the stated emphasis.

"The committee saw this emphasis as a means of providing new opportunities ... not

as a straight-jacket in any sense of the word," he said.

Regarding a proposed "primary" commitment to undergraduate education, Professor Melby said the Committee recognized provincial attitudes toward graduate programs and felt that these realities could not be ignored. While existing graduate programs at the University were strong, Guelph could not hope to greatly expand its graduate offerings unless they were unique in the province.

Professor J. L. Hundleby, Psychology, wondered if too much emphasis was perhaps being placed on past program performance in charting a future course. President Winegard replied however the "laissez-faire" development of universities in Ontario is finished and universities are going to have to have "areas of major concern."

The President added that this was not necessarily unfortunate because there would probably be more opportunities for attracting funds for graduate programs and particularly in research.

By building on existing strengths, the university as a whole would be able to assist departments which do not have a definite sense of direction, the President said.

Dean D. G. Howell, OVC, liked the report's suggestions about the University's involvement in "non-metropolitan" ways of life. He noted that Ontario is being transformed from a rural to an-urban, industrial society and felt that this change was going to pose major problems. Guelph was in a position to make a "unique contribution" to "bringing these problems to bear." The Dean suggested the University make its mark in monitoring ecological systems.

Professor J. R. Stevens, Physics, a committee member, noted comments about the province's wielding a "big stick" and thereby controlling the direction of the University. He said one only had to consider the growth of many U.S. universities whose colleges and faculties have become so fragmented that there is no sense of unity or purpose to many institutions.

Professor D. C. Jordan, Microbiology, noting Dr. Winegard's comment that the Committee had recently considered a possible theme, "Man and Nature," felt that the concept of "total ecology" would be "a convenient hatrack upon which many departments could hang their hats." He felt the social sciences and humanities could have a "strong input" with such a theme.

Professor K. W. Graham, English, expressed misgivings about the report, quoting from a brief he submitted to the committee in which he feared that humanities on the campus and other than mission-oriented research might suffer from the proposed emphasis.

Professor H. M. B. Hurwitz, Psychology, suggested departments examine their roles to see how they could make them unique

among other universities. He felt Guelph, because it was a new university, had a great advantage towards achieving uniqueness because it did not have a "built-in inertia" inherent in older institutions.

Recalling the changes effected within the College of Family and Consumer Studies in recent years, Dean Janet Wardlaw said the re-examination of the College had been worthwhile and suggested every college do likewise.

Dean William Tossell, Research, said the University Research Advisory Board felt the geographical connotation in the report should be dropped and a designation something like man and nature substituted. The Board, he said, suggests "Human and Natural Environment" to show how the University works with nature both in the city and outside it.

Noting comments about departments relating to a central theme, President Winegard felt it would not be difficult to schedule such courses as the history of science and man or an anthology of poetry dealing with man and his environment.

Professor Tom Settle, Philosophy, suggested the report should "spell out what unifies a University." He cautioned against suggesting this be "education" but rather "learning."

Replying to a query about how the report could be implemented once it is adopted, the President said it would be primarily the job of the Senate and its various committees to see if present and proposed programs conform to the intent of the report.

The President added that he didn't view the report as a means of wielding a "big stick" but as offering "a bunch of carrots" toward ensuring that Guelph doesn't become a "carbon copy" of other universities.

While Professor R. P. Forshaw, Animal Science, found the report laudable he suggested a better central theme might be "man in his total environment." Professor Henry Wiseman, Political Studies, was somewhat disenchanted. He felt the document should be more specific and particularly should spell out areas of need for interdisciplinary studies.

Professor Alex Ross, English, said while it was all right for the University to be concerned about the quality of the environment, it also should be concerned with the "quality of civilization." He expressed concern that there was too much planning being done on the basis of available funds and noted that the three-semester program had been carefully worked out and yet may be in jeopardy because of falling enrolment.

An alumni representative, Dr. George Fisher, felt the University would be remiss if it did not build for the future on the strength of the founding colleges. However, he noted, alumni are equally as proud of the contribution

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Academic counsellor meets many problems

A young female student sits in the office of Pat Rafferty, Academic Counsellor in the B.A. program, and says flatly that she will fail her semester unless she has an exam deferment. Mr. Rafferty explains that deferments can only be granted on medical or compassionate grounds, and the girl leaves in tears.

Months later this student returned to the same office and explained that she had been awaiting a serious operation on her earlier visit.

Her visit was one of over 13,000 to the office of the academic counsellor in the two years since Mr. Rafferty took up the job. As in her case, many students' problems are not purely academic. For this reason, Mr. Rafferty believes that one must look at the student as a whole person whose actions are often largely influenced by emotions that may or may not be revealed to him. This may mean following through a problem by contacting other people on the campus and outside.

Because many students' academic problems have emotional roots, Mr. Rafferty works closely with Psychological Services. In an emergency, Dr. D. H. Upton of Psychological Services, has arrived at the advisor's office within minutes of a call for help.

Some of the underlying problems that have brought students to him for academic counselling are drug abuse, criminal assault, home problems, death in the family, pregnancy and marital problems. In medical or compassionate cases, Mr. Rafferty must arrange through the relevant faculty members for a student to have deferred examinations, and where necessary refer him to Psychological Services. Had he known the cause of the student's hasty exit at the time of her first visit, he would probably have arranged for her examinations to be deferred.

In other instances, Mr. Rafferty may suggest the student take his case to the petitions committee of senate where it will be assessed. Sometimes a student just needs a little encouragement of the "I know you can do it" type.

Last semester, Mr. Rafferty spent a week living with students in co-educational hall in the south residence complex. He found the experience so helpful in his work that he hopes to repeat it every semester. A great deal of counselling is also done in unstructured encounters with students outside regular office hours.

In addition to working directly with students, Mr. Rafferty is in regular contact with the student advisors from the various departments. Every department in arts and social sciences has a faculty member who counsels students in his own subject. Department chairmen, too, often meet with students to discuss problems a student may have within their departments.

However, when a student has doubts or questions about his whole program or needs



Mr. Rafferty talks to a student in his office in the Arts building.

someone to arbitrate between him and a faculty member, he very often comes to the office of the academic counsellor.

An example of the latter was a student who came in to complain that his professor would not mark his essay because of its similarity to an essay submitted by someone else for the same assignment. Although the students claimed to be unacquainted, the student who came to see Mr. Rafferty did admit using friend's notes in his essay. After the professor in question and another faculty member in the same department were consulted, it was decided that although the essays were similar, they were not necessarily the work of the same hand. However, in view of the fact that the student admitted his own essay was not entirely his own work, the professor assigned another piece of work which the student agreed to submit for a mark.

This sort of compromise solution, bringing student and faculty members together, is typical of the work the academic counsellor does. Mr. Rafferty says that he finds the majority of students reliable and honest to deal with.

If a student's problem seems severe or in need of arbitration, a file is kept up to date during his time at university, to be destroyed when he leaves.

At this time of year the academic advisor spends much time with potential students and their parents. He meets them in small group sessions where the B.A. program and semester system are explained, then invites them to come to his office. Many do. More still wander in during the first weeks of the semester with the minor worries of misplaced classrooms, and switched classes.

During this time, Mrs. E. Taylor, secretary in the office, deals with many flurried students, lost in the confusion of their first weeks at university. "Worth her weight in gold", according to Mr. Rafferty, Mrs. Taylor does a lot of quick counselling on her own, particularly during the busy periods when every chair in the office is filled and students are lined up outside.

However, Mr. Rafferty likes to be available as much as possible, and for this reason he dislikes making appointments since many problems need immediate attention.

Although many students are in and out of the office in seconds, others stay two hours; a few drop in as often as once a week, and some only see the advisor once in their university career.

One of the reasons Mr. Rafferty so enjoys working with students in the B.A. program is that he was a student here himself until two years ago. Mr. Rafferty completed his master's degree in political science, and still lectures in that department. He returned to university after 11 years in the insurance business, and passed through the B.A. program as a mature student. He also worked in the registrar's office, all experience which he finds useful now.

Having been a mature student, Mr. Rafferty feels a particular rapport with the many older than average students who pass through his office.

Mr. Rafferty feels that although the college of arts and social sciences has grown fantastically since his student days, the same personal relationships are just as important to the student. His office tries to reinforce this type of personal contact in the often confusing round university life.

to the campus of the newer colleges and urged the community to have faith in them for the overall good of the University.

Professor David Yarmey, Psychology, noted that his department had strived for uniqueness among other institutions by rejecting any move toward psychobiology, preferring instead to emphasize the human rather than the animal approach to teaching and research.

The role of the individual student in the University community should be more clearly spelled out in the report, said Professor Peter Egelstaff, Physics. He felt the role of the individual in research activities was being "sharply downgraded."

Professor O. P. Dwivedi, Political Studies, said he would like to see the report call for a liaison between the university and graduates such as high school teachers who might like to pursue research on a part time basis because they did not follow it through while on a campus.

Dean N. R. Richards, OAC, felt that while the report's conclusions and proposals were good, the "real challenge" lay in getting faculty members to make a commitment to carry out the objectives. He said that one of the most disappointing aspects of his 10-year term as Dean was the lack of such commitment towards the Centre for Resources Development.

Professor K. C. Tan, Geography, echoed Dean Richards' sentiments noting that the Asian Studies program has not been living up to expectations because of a lack of support from faculty. He suggested Senate should direct departments to renew their efforts towards sustaining the program.

Replying to Professor Norma Bowen, Psychology, Professor Melby said the upper limit on enrolment of 10,000-11,000 students evolved "rather naturally." He said questionnaire returns from departments about their optimum size with consideration given to existing student-faculty ratios produced a figure of about 10,000. And, in order to get capital entitlement for such projects as the University Centre, 10,000 students would be needed.

Professor C. M. Switzer, Associate Dean of Agriculture, suggested that since the figures of 15,000-18,000 were mentioned when the University was founded, it should be made clear to the public why the drastic change in maximum enrolment was taking place.

Mr. Birnbaum noted that the earlier figures were in effect "engineering estimates" and that other predictions made at that time, particularly about the future sizes of the various colleges, have not been accurate either. He also noted that some comments had been heard about a second phase of the Committee report and felt that the report was in fact the second phase with the first phase being written when the University was founded eight years ago.

First CSCM workshop successful

The first annual national workshop for the Canadian Society of Club Managers was attended by 38 members from four provinces in Canada.

An intensive two-day program arranged through the University's Office of Continuing Education included talks on responsibilities of managers; handling of personnel; and communication with staff and the public.

The workshop also included a visit to the meat laboratory facilities on campus for demonstrations of cutting and processing ribs of beef; and a talk on new food and food research.

Dr. M. W. Waldron, Director of the Office of Continuing Education welcomed the members, and Professor G. D. Bedell, Director of the School of Hotel and Food Administration gave the opening talk on, The club manager and his job. David Murray, Assistant to the Director of Personnel, spoke on the human factor in business; and Dr. W. R. Osborne, from the Department of Animal and Poultry Science entitled his talk, Meaty morsels for club managers.

Professor D. W. Stanley, Department of Food Science, emphasized, in his talk, that one major place for new food products is, and always will be, in the restaurant, hotel and institutional trade.

Dr. Osborne, following a demonstration of meat cutting in the meat laboratory, demonstrated the procedures in selecting and buying of meat and outlined the new beef grading system.

The science of clear and explicit communication was well interpreted by Professor G. Warlow, School of Agricultural Economics and Extension Education, during his talk on, Communication on the job.



Attending the Club Managers' Workshop held on campus were, from left: E. J. Den Boer, Vice-President of the National Association of Club Managers from the Scarborough Golf and Country Club, Toronto; Major W. E. Milner, a past National Director of the Association, and Manager of the Rideau Club in Ottawa; and Michael Cox, a member of the Association from The Manitoba Club in Winnipeg.

Senator Donald Cameron of Banff, guest speaker at the main banquet, outlined the role of the du Maurier Council for the Performing Arts.

Projects sponsored by the Council are planned to help groups to help themselves, the Senator pointed out. It will provide funds to groups with special projects in mind; bring the performing arts to the attention of the Canadian public; and encourage the development of Canadian programs sponsored by Canadians. The Council also sponsors many concerts, both pop and symphony, and travelling art shows, Senator Cameron said.



Lecturers for the first off-campus course ever offered through the University's Office of Continuing Education are shown from left discussing the course which was entitled Trends in Dietary Administration. Dr. Jean Sabry, Dr. Elizabeth Upton, and Dr. Elizabeth Miles who gave lectures to 27 Toronto dietitians from March to May talk over the course with Dr. Mark Waldron, Director of the Office of Continuing Education. Dr. John deMan, Chairman of the Food Science Department, absent from the picture, also travelled to Toronto to take part in the lecture series.

Ghana news

Dr. J. W. Tanner, Department of Crop Science, and currently Team Leader of the University of Guelph group in Ghana, served as External Examiner in April for the University of Nairobi, Kenya, in the Department of Applied Plant Science.

While in Nairobi, Dr. Tanner visited Dr. and Mrs. Maurice Smith and Professor and Mrs. Ralph Campbell. Professor Campbell was formerly the Head of the Department of Agricultural Economics at Guelph. Dr. Campbell was recently named Principal of University of Toronto's Scarborough College, effective July 1.

Dr. Smith is working in Kenya this year in connection with the University of Guelph's apiculture project in Kenya.

Before completing his assignment in Ghana in July, Dr. Tanner will also be serving as External Examiner in the Crop Science Department at the University of Science and Technology in Kumasi, Ghana.

Summer hours

Starting June 19 and continuing to September 1, summer hours at the University will be changed.

The lunch period will be shortened by half an hour and the time for closing will be half an hour earlier.

Starting time will be 8:30 a.m. and closing time will be 4:30 p.m. Lunch time will be as planned in each office.

If the above hours are not feasible within colleges or departments, it is expected other arrangements will be made.

Pool notice

The recreational swim, usually held for two hours on Saturday afternoons will be held for one hour only on Saturday, June 17 to accommodate visitors here for Alumni Weekend. The recreational swim time will be from 2 to 3 p.m. only.

On Wednesday, June 21, the 5 to 6 p.m. swim time has been cancelled to accommodate the Guelph Police Department activities.

Appreciation noted

Dr. D. H. Stott, Centre for Learning Disabilities, has received the following letter.

"This letter comes with deep and profound gratitude from the parents of the children who attended the past session of the "Flying Start" program. The time and effort put forth by you and your workers is very much appreciated.

"The frustrations both mentally and financially that you and your workers

have encountered must have seemed overwhelming at times but we feel very fortunate that our children were able to participate in such a program.

"Although rewarding to you and your workers to see your efforts blossom forth in the minds of your pupils it need not stop there. For you give to each parent a "Flying Start" towards understanding their own child's need in the field of education.

"Again thank you and carry on with a job well done and appreciated from the parents listed on the page attached."

Free Film feature

Touch of Evil is a simmering tale of corruption and depravity set in a small American town on the Mexican border. Orson Welles, directing his first American film in a decade, stars as the sinister detective Quinlan, whose plan to frame a Mexican boy for the brutal murder of two people is threatened by a crusading Mexican lawyer played by Charlton Heston. Welles has incorporated into the script his own beliefs concerning good and evil, innocence and corruption. It is a devastating picture, definitely not for the queasy. On the same program two more chapters of *Captain Marvel* will also be shown. It all starts this Monday, June 19 at 8 p.m. in Physical Sciences 105. Since it is sponsored by the F FT, there is no admission charge; it's FREE!

W. Bachinski honored

Walter Bachinski, Department of Fine Art, has been asked to represent Canada at the *XI L'internazionale grafica di Lugano*.

This international exhibition of graphic arts is organized by the town of Lugano in Switzerland whose aim is "to show and award the vitality and fantasy and contemporary graphic art, bringing to the attention of the public and the critic, the results attained by artists today in drawing, printing and engraving in black and white as well as in colour." (reprinted from Exhibition regulations for participating artists.)

Artists are chosen by an international jury in conjunction with the National Gallery or equivalent body in each country. Each artist exhibiting is represented by four prints of his choice. The exhibiton will be opened August 1 and run until the October 22, 1972 in Lugano, Switzerland.

Livestock specialists here

The Livestock Extension Specialists, OMAF, were on campus for a broad and intensive inservice training program covering the complete production systems for dairy cattle, beef cattle, swine, sheep and horses.

Formal discussions were held with faculty

members from the departments of Clinical Studies, Animal and Poultry Science, Environmental Biology; Schools of Agricultural Economics and Extension Education, Engineering; and Veterinary Services Branch of OMAF.

This inservice training program has become an annual event and does much to assist in the flow of recent research information on animal production systems from the research workers at the University via the Extension Specialists to the livestock producers across Ontario.

Summer safety tip

The May issue of Safety Canada, the publication of the Canada Safety Council, Ottawa, has listed a ten-point diagnosis of an ailing car. As summer brings holidays and longer trips in the car, now is the time to check these effects and causes of trouble in your car.

1. *Brake pedal sinks to the floor under light foot pressure*

- (a) worn brake linings;
- (b) a leak in the braking system.

2. *Car pulls constantly to one side when stopping*

- (a) wheel alignment is off;
- (b) brake lining worn on one side or oilsoaked on one side, both due to wheel cylinder failure.

3. *Excessive play in the steering*

- (a) worn or faulty steering box;
- (b) worn or faulty steering ball joints, tie-rod ends, relay rods or idler arm.

4. *Car vibrates at 50-65 mph.*

- (a) defective tires;
- (b) wheel balance is off.

5. *Steering column shimmies at high or low speeds*

- (a) looseness in front end;
- (b) weak or worn shock absorbers;
- (c) out-of-round tires with some flat surfaces.

6. *Rear-wheel locking upon light application of brakes*

the ailment -- faulty or leaking oil seal.

7. *Poor roadability (requiring constant steering to keep it on the road)*

- (a) improper tire inflation;
- (b) faulty front or rear suspension.

8. *Excessive noise or whistling in the exhaust system*

the ailment — a faulty exhaust system which could lead to dangerous emissions of carbon monoxide fumes inside the car.

9. *Unusual odours inside the car*

a general alarm that all is not well with your car and an immediate check is required.

10. *Directional signal lights inoperative*

FACULTY ACTIVITIES

Professor J. Leslie, Dr. M. Ruse, Mrs. Lorraine Code, Professor J. King-Farlow, Mr. J. McMurry, Professor B. Calvert, Dr. G. Todd, Professor K. Montague, Dr. J. Amstutz, Mr. B. Hodgson, Dr. T. W. Settle, and Dr. W. H. Hughes, Philosophy, attended the Canadian Philosophical Association meetings and gave several papers. Among those presented were: Ethically required existence; Can evolutionary theory have an axiomatic form; Self-deception and the ethics of belief; Notes on Mary's economic determination; Plato, persons and women; Nelson Goodman's philosophy of art and representation; The power of contrapositive thinking; Creation, emanation, evolution: Three types of religious thinking; Strawson's concept of a person and ontology. The following comments on papers were read: Dispositions; Anarchism and autonomy; and Meta-ethics and value neutrality in science.

Dr. Carlton Gyles, Veterinary Microbiology and Immunology, was a guest speaker at the 2nd International Symposium on Intestinal Microecology held at Columbia School of Medicine, University of Missouri. Dr. Gyles' subject was Plasmids in intestinal bacteria.

Dr. D. R. Arnott and Dr. A. N. Myhr, Food Science, participated in the Annual Borden Canada Quality Assurance Seminar at Toronto. Dr. Arnott spoke on, Ultra high temperature processing, and Dr. Myhr outlined the building of quality into cultured products.

Dr. Michael Zerner, Chemistry, attended the symposium on Computational Methods for Large Molecules and Localized States in Solids at San Jose, California, where he presented an invited paper on, Approximate methods in quantum chemistry, and participated on a panel discussing the electronic structure of large molecules and the solid state.

David Murray, Personnel Department, attended a week-long seminar at the University of Toronto's Centre for Industrial Relations on the theme of the future law, and practice, of collective bargaining in Canada.

Professor John N. Benson, Professor William J. Carroll and Professor Marion Steele, Economics, attended the annual conference of the Canadian Economics Association in Montreal.

Dr. D. A. L. Auld, and Professor E. K. Grant, Economics, jointly presented a paper on, Programmed learning: an experiment in introductory economics at the Canadian Economics Association Meetings in Montreal.

Dr. J. Vanderkamp, Economics, was recently elected to the Executive Council of the Canadian Economics Association.

Professor W. J. Carroll, Economics, was discussant of a paper on the Guyanese sugar industry given to the Latin American Association in Montreal.

Dr. J. M. deMan, Dr. D. W. Stanley, Mr. D. B. Cumming and Mr. M. F. Eino, Food Science, attended the 32nd Annual Meeting of the Institute of Food Technologists held in Minneapolis. The Institute of Food Technologists held in Minneapolis. The following papers were presented: The fate of water soluble soy protein during thermoplastic extrusion; Surface ultrastructure and tensile properties of enzyme treated muscle fibres; and Influence of aging on catheptic activity, tensile properties and surface ultrastructure of beef muscle.

Dr. K. Slater, Consumer Studies, is to attend a symposium on yarn irregularity in Mexico during the last week of June. He will also be visiting centres of textile research in the south-western United States, particularly Colorado State University and Texas Technical University, where he has been invited to appear as a guest lecturer.

Dr. John Liefeld, Consumer Studies, is working in liaison with the Federal Government's Department of Consumer and Corporate Affairs. He will be investigating informative labelling as an element of consumer information.

Dr. A. J. Musgrave, Zoology, recently attended the annual meeting of the Canadian Society of Zoologists at York University.

Dr. John T. Powell, Human Kinetics, gave an illustrated lecture to the Couples Club of Westminster — St. Paul's Church entitled, Africa, south of the Sahara.

Dr. R. E. Vosburgh, Consumer Studies, recently participated in a panel discussion on, The marketing of non-market defined goods, held at a marketing workshop, at York University in Toronto.

Dr. John Liefeld, Consumer Studies, recently participated in a panel discussion on, Risks in new product development, held at a marketing workshop at York University in Toronto.

Professor Roger E. Thomas, Sociology, chaired a session on, Canadian social movements, at the meetings of the Canadian Sociological and Anthropological Association held at McGill University in Montreal.

Professor **A. H. Brodie,** English, was chairman of Professor R. G. Moyles' paper on, Edward Capell as editor of *Paradise Lost*, at the Learned Societies meeting in Montreal.

Professor Franklyn Theakston, School of Engineering, was the guest speaker at the Ontario Ski Association annual meeting held at the Talisman Ski Resort, near Owen Sound. Professor Theakston also conducted a symposium on snow and wind control at the Skyline Hotel, Ottawa, at a meeting attended by more than 100 engineers and architects representing the federal and provincial governments; and attended a two-day meeting in Kemptville where specialists discussed the National Safety Policy.

Dr. **D. R. Pattie,** School of Engineering, attended the annual conference of the Canadian Society of the Study of Higher Education, held at McGill University. The theme of the conference was, What can Canadian society reasonably expect of our universities and colleges?

Dedicated scientist mourned

The University community was deeply saddened by the passing on June 5, 1972 of Dr. T. S. Neudoerffer in his 35th year. He joined the faculty of the Nutrition Department in July 1967 and made an outstanding contribution to the academic pursuits of the Department and to the agricultural industry of Canada. A memorial service was held at St. Paul's Lutheran Church, Guelph on Thursday, June 8 at 3:00 p.m.

In the eulogy at the service by Dr. S. J. Slinger, Chairman of the Nutrition Department, said in part "Tom was a dedicated scientist, he was a human dynamo who continually drove himself as well as those around him. He performed excellent research and has an outstanding record in training graduate students.

"He showed equal loyalty to the Nutrition Department and the University of Guelph. He was proud to be a member of the faculty here

and took a keen interest in the operation of the Department and the University.

"The success of his research program is attested to by the large number of first rate scientific papers he published in the few short years available to him."

Dr. W. C. Winegard, expressing the esteem in which Dr. Neudoerffer was held named him "one of our most brilliant colleagues and a first class Professor." Dean K. Ronald said he will be remembered for his humanistic and straightforward approach to all problems.

Dr. Slinger concluded his remarks, "The world is richer for his all too short stay. Of him we can truly say, he was a gentleman and a scholar."

Dr. Neudoerffer is mourned by his wife Norma Cecelia, and his daughters, Cecelia, Sarah and Cynthia.

PUBLICATIONS

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Hunter, R., B. and L. W. Kannenberg, 1972. Effects of seed size on emergence, grain yield, and plant height in corn. *Can. J. Plant Sci.* 52: 255-256. (Crop Science)

Kozumplik, V., and B. R. Christie, 1972. Completion of juvenile stage in orchardgrass. *Can. J. Plant Sci.* 52: 203-207. (Crop Science)

Stevenson, K. R., and J. C. Alexander, 1972. Propionic acid for storage of high moisture soybeans. *Can. J. Plant Sci.* 52: 291-294. (Crop Science and Nutrition)

Major, D. J., R. B. Hunter, L. W. Kannenberg, T. B. Daynard, and J. W. Tanner, 1972. Comparison of inbred and hybrid corn grain yield measured at equal leaf area index. *Can. J. Plant Sci.* 52: 315-320. (Crop Science)

Kozumplik, V., and B. R. Christie, 1972. Heading response of orchardgrass seedlings to photoperiod and temperature. *Can. J. Plant Sci.* 52: 369-374. (Crop Science)

Stoskopf, N. C., and R. K. Rai, 1972. Cross-pollination in male sterile wheat in Ontario. *Can. J. Plant Sci.* 52: 387-394. (Crop Science)

Yadava, R. P. S., and A. J. Musgrave, 1972. Phospholipid patterns of two symbiote-harboring weevils, the rice weevil, *Sitophilus oryzae* L., and the corn weevil *Sitophilus zeamais* (Mots) (Coleoptera: Curculionidae) *Compara Biochem and Physiol* 42B, 197-200. (Zoology)

Benson, E., 1971. Canadian universities: problems and solutions, Whom do our universities serve? The role of the university in modern Canadian society. (Published Papers of a Symposium held at Bishop's University, November, 1971.) Eds. C.A. C.A. Abrahams and R. C. Levesque. (English)

Nute, M. E., W. R. Pelton and K. Slater, 1972. The variance between ultra-short lengths of yarn. *J. Text. Inst.*, 63 (4), 212-223. (Consumer Studies)

Stanley, D. W., L. M. McKnight, W. G. S. Hines, W. R. Osborne and J. M. deMan, 1972. Predicting meat tenderness from muscle tensile properties. *J. Texture Studies* 3: 51-68. (Food Science)

GRANTS

Dr. David J. Hume, Crop Science, has received a \$5,000 grant from the Ontario Soya-Bean Growers' Marketing Board to investigate the feasibility of increasing soybean yields by supplementing nitrogen nutrition during the grain-filling period.

The Canadian National Sportsmen's Show has awarded a grant of \$750 to Dr. J. C. R off of the Zoology Department to assist in financial support of the University Marine Biology and Oceanography course.

The course to be held this year from August 12 - 25 at the Huntsman Marine Laboratory in St. Andrew's, New Brunswick, provides undergraduate students with an opportunity to study the plants and animals of the oceans in their natural environment and to learn the methods and techniques of fisheries biology at the nearby Fisheries Research Board Station.

APPOINTMENTS



David Paterson has been made Head, Systems and Data Processing Department in the Library. Prior to this appointment he was a systems analyst in the Department.

Mr. Paterson attended Sir George Williams University, Montreal, and was employed in their Computer Centre before moving to Guelph in 1968.

He was responsible for designing several of the major computer systems at Sir George Williams University and has had over ten years of experience in the field of data processing.

Job opportunities

New Listings as of June 9, 1972

Secretary to the Director, Department of Residences. Salary range: \$100.48 - \$133.13.

Professional Assistant, Department of Family Studies. Salary commensurate with qualifications and experience.

Secretary to the Chairman, Veterinary Microbiology and Immunology. \$85.41 - \$120.58.

Farm Manager (off campus, Fergus area). Salary depending on qualifications.

Technician II, Crop Science. Salary range: \$107.41 - \$155.83.

Stenographer, Political Studies. Salary range: \$75.30 - \$107.70.

Clerk, Bursar's Office (2 positions). Salary range: \$82.82 - \$116.55.

Stenographer, Dean's Office, College of Physical Science. Salary range: \$75.30 - \$107.70.

Nightwatchman, Safety and Security Section. Salary range: \$2.64 - \$2.92.

Class A Mechanic - Fleet Operation, Auxiliary Operations - Administration. Salary range: \$3.61 - \$4.00.

New contract increases effective July 1, 1972 (Office, Clerical and Technical).

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

Tulip tree

Everyone knows that tulips grow from bulbs - or do they? The tulip tree, *Lirioden dron tulipifera*, will prove that tulips grow on trees next week when its greenish-yellow, tulip-shaped flowers bloom. This species, the largest hardwood in Eastern North America, has characteristic squarish four-lobed leaves.

The largest specimen on campus is located in front of Zavitz Hall; others are located near the Horticultural Science building and Mills Hall. These massive, stately trees are most effective in large, open areas.

RESEARCH GRANT CALL

(for further information see *Departmental Chairmen*)

1. Post-doctoral fellowships in several disciplines are available at Massey University, New Zealand. Closing date: June 30.
2. American Council of Learned Societies (ACLS) Fellowships for research in the humanities and certain areas in the social sciences are announced. Period of tenure: 6 to 12 months. Closing date: October 15.
3. ACLS Grant-in-Aid in support of humanistic research. Closing dates: September 30, 1972 and February 15, 1973.
4. ACLS Awards for Computer-Oriented Research in the Humanities. Closing dates: applications accepted any time.
5. ACLS Study Fellowships for young scholars in the humanities to enlarge their range of knowledge by study inside or outside the humanities but in disciplines other than their present specialization. Closing date: November 1.
6. ACLS Grants for Soviet Studies for research in social sciences and humanities. Closing date: December 31.
7. ACLS Grants for Research on Chinese Civilization for research in the humanities and social sciences. Closing date: December 1.
8. ACLS Grants for East European Studies for research in the humanities and social sciences. Closing date: December 31.
9. ACLS Grants for Research on South Asia for development specialists and scholars in the humanities and social sciences. Closing date: December 1.

NEXT WEEK AT GUELPH

THURSDAY, JUNE 15

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

FRIDAY, JUNE 16

Alumni — OAC-MAC ALUMNI WEEKEND, commences. Continues Saturday with meetings, picnic lunch, games and swimming.

Worship — MUSLIM JUMA PRAYER, 1 p.m., Room 315, Arts.

T.V. — SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 7 p.m.

SUNDAY, JUNE 18

Worship — ANGLICAN EUCHARIST. 9:30 a.m. 9th floor lounge, Arts.

Worship — R.C. MASS 11 a.m., Room 107, Arts.

Worship — MUSLIM ZUHR PRAYER, 1 p.m., 9th floor lounge, Arts.

T.V. — DEAN N. R. RICHARDS — OAC TEN DYNAMIC YEARS. Roy Jewel Farm Show, 1 p.m., Channel 10, London.

MONDAY, JUNE 19

Film — TOUCH OF EVIL, directed by Orsen Welles. 8 p.m. Room 105, Physical Science. Sponsored by the Free Film Theatre.

Seminar — BEEF CATTLE PRODUCTION IN DEVELOPING COUNTRIES, by Dr. Robert S. Temple, Animal Production and Health Division, Food and Agriculture Organization of the United Nations. 4 p.m., Room 141, Animal Science and Nutrition.

TUESDAY, JUNE 20

Seminar — RECENT STUDIES OF METAL CARBONYL CHEMISTRY, by Professor W. A. G. Graham, Department of Chemistry, University of Alberta. 4:10 p.m., Room 121, Physica. Science.

Seminar THE ANIMAL HEALTH AND PRODUCTION PROGRAMS OF FAD., by Dr. Robert S. Temple, Animal Production and Health Division, Food and Agriculture Organization of the United Nations. 12 noon, Room 508, Clinical Studies.

Meeting — UNIVERSITY OF GUELPH SENATE. 8 p.m. Room 113, Physical Science.

Lecture — COMING TRENDS IN THE ONTARIO SCENE, by Herbert Whittaker, Globe and Mail drama critic. 8 p.m. Guelph Public Library. Admission, \$2.50 for general and \$1 for students.

WEDNESDAY, JUNE 21

Seminar — TEST SCORING SYSTEM. New system to mark examinations using pencil marked IBM Cards. 1:30 to 4:30 p.m. Room 212, ICS building. Register at Ext. 3701.

Worship — ANGLICAN EUCHARIST. 1 p.m. 2nd floor lounge, Macdonald Hall.

Radio — ANALYSIS, news and comment from the University of Guelph. CJOY-FM 106.1, 7 p.m.

Robert Downing exhibits on campus

An exhibition of 25 sculptures and 22 graphics by Canadian sculptor Robert Downing is currently on display in McLaughlin Library. Organized by the Robert McLaughlin Gallery, Oshawa, the exhibition traces Downing's work from 1966 to 1971.

Robert Downing was born in Hamilton, Ontario in 1935. He received no formal art education and only became seriously interested in sculpture around the age of 30 after travelling and working at a number of jobs including photography.

He was virtually unknown to the Canadian



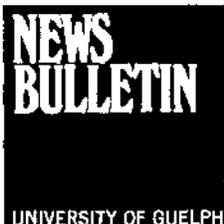
public until he submitted three works to the Ontario Centennial Art Competition in 1967. The judge of this competition was Bryan Robertson, at that time Director of the Whitechapel Gallery in London, England. On the strength of these three pieces he invited Downing to mount a full scale one-man exhibition at the Whitechapel Gallery. This exhibit held in 1969 marked the first occasion that a Canadian sculptor was given a one-man exhibition at a major European public gallery.

The Guelph exhibit includes many of the pieces shown at Whitechapel and recent works up to 1971.

Downing's work takes the cube as a point of departure. Using a cubic block of styro-foam as his working model he experiments with a wire cutter opening up the cubic form, and rearranging its parts until he achieves the correct interplay between edge, plane, scale and volume. The finished pieces are made of aluminium, arborite or mixtures of opaque, translucent and transparent plastic. Each piece is manufactured with engineering precision and the surfaces are carefully finished to achieve a highly reflective quality or a uniform texture.

Since the Whitechapel show Downing has

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PERSONALS

FOR SALE

3 piece stereo symphonic (AM-FM) multiplex, 821-1736; 18' Chev motor home fully equipped, 821-9224; Baby crib, wringer washer, English stroller, play pen, 821-5813; Big game rifle, 821-3735; Double bed, desk, chesterfield, chest of drawers, etc., Ext. 2588, or 822-6135, Mrs. Clark; Armstrong 40 watt stereo amplifier, Goodman's speakers, Ext. 2258; 2 Hoosier tires, baby bouncer, Ext. 3391; 1971 MGB with radio, Ext. 3789, 823-1543; '69 Datsun, Ext. 3577; Gull class sailing dinghy, Dr. deKleer, Ext. 2521; Male golden retriever puppy, Mrs. Littlejohn, 821-0923; '65 Plymouth, Ext. 2502.

HOUSING

For Rent: 3 bedroom house, 822-6776; 2 bedroom apartment, Exts. 3373, 3701, or 824-8155.

MISCELLANEOUS

Wanted: University area mother to babysit in own home 2 - 3 days a week, 821-2613; Typing, 821-8046. Wanted to buy, full size ladies bike, 821-8048, also 823-2566; AM-FM stereo tuner, Ext. 2693, or 823-1212.

had one-man exhibitions in Toronto and been represented in group exhibitions in Canada, the United States and Europe.

D. Nightingale,
243 Speelvale Ave. E.,
Guelph, Ontario.