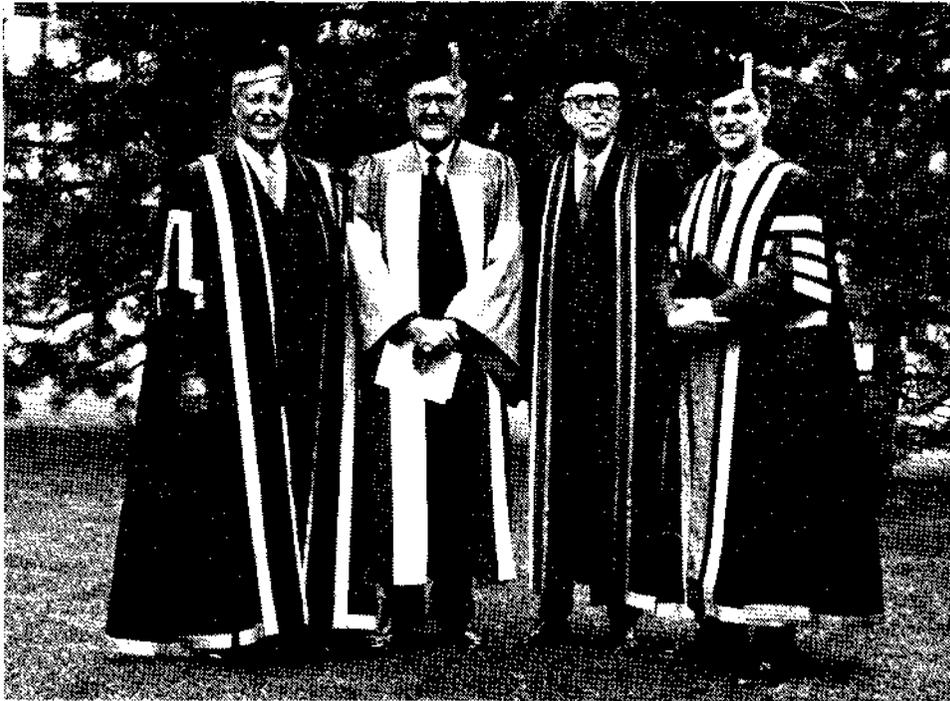




Honorary degrees conferred at May Convocation



Shown prior to the Thursday afternoon Convocation ceremony from left: Col. The Hon. G. A. Drew, Chancellor; Dr. George Ignatieff, who received an honorary LL.D. during the ceremony; Mr. A. A. Thornbrough, Vice-Chairman of the Board of Governors and President W. C. Winegard.



President W. C. Winegard, left, chats with Dr. James Allan, the recipient of an honorary LL.D. during the Friday morning ceremony; and Col. The Hon. G. A. Drew, Chancellor of the University of Guelph.

Issues facing the university and the world today were the themes for the convocation addresses during the six ceremonies held this year. A record number of 1,075 degrees and diplomas were presented at the ceremonies held in War Memorial Hall.

Honorary degrees were awarded to His Excellency George Ignatieff, permanent Canadian representative to the 18-nation Geneva disarmament conference, and to the Honorable James Allan, chairman of the Niagara Parks Commission and former Ontario cabinet minister.

Addressing the first of the six convocations, Dr. B. C. Matthews, Vice-President, Academic, and President elect of the University of Waterloo, commented on the current criticism of educational institutions and the dissent on campuses.

"The voices of criticism and dissent are many and varied," he said. "The most visible dissent is that of a small band of people, some students and some non-students, who articulate mindlessly, clichés and slogans from other times and places, but whose arguments give little evidence of perceptive thought. People who employ what has been called body rhetoric — confrontation, obstruction and even destruction be-
Continued on pages two and three.



President W. C. Winegard, left, with Mr. Everett M. Biggs, Dr. W. S. Young, and Dean N. R. Richards, following the presentation of the Associate Diploma in Agriculture and the Ontario Diploma in Horticulture certificates.

Convocation

cause, they say, the channels for change through verbal argument are too slow or clogged up completely."

Dr. Matthews continued, "Men's minds have not been and will not be, won by presenting "non-negotiable" demands. The power of profound thought and cogent argument alone can effect permanent social change -- and to these we all must listen and react."

Dr. Matthews concluded by quoting Abraham Lincoln, "The dogmas of the quiet past are inadequate to the stormy present. The occasion is piled high with difficulty, and we must rise with the occasion. As our case is new, so we must think and act anew."

Mr. Everett Biggs, Deputy Minister of Agriculture and Food for Ontario encouraged the University of Guelph to extend its studies related to pollution problems. Mr. Biggs was addressing the 35 graduates who received the Associate Diploma in Agriculture or the Ontario Diploma in Horticulture at the Wednesday afternoon ceremony.

The long established agricultural base of the University and the expertise of its faculty in applied biology, combined with the growing public concern for the quality of our environment made it logical that the Ontario Agricultural College should become a major centre for studies of environmental problems, Mr. Biggs said.

Public awareness of pollution is the first necessary step in tackling the problem, he said. He paid tribute to the part that young people have played in arousing public aware-

ness of the threat.

Dr. M. H. M. MacKinnon, Dean of Wellington College, addressing the University graduates at the Thursday morning ceremony, answered the criticisms that: "a degree is merely a parchment, a piece of paper, a form of words."

"If it were merely a piece of paper, then anyone could buy it and no one would pay attention to what it says. But it is not for sale and people do care about the words on the paper. They are significant words and they apply to you as an individual," he said.

"Your diploma records that you have reached a certain state, or "degree", of development in your field of study, in this case the humanities and social sciences. You may choose to work for a higher degree, a master's or doctor's degree, or you may decide to take employment and continue your education in some other fashion," Dr. MacKinnon continued.

"But you have achieved something quite tangible in gaining the recognition of an established university, which has put its stamp on you. Your alma mater has placed its matrix on you and you are now accepted as a senior member of the academic community because of your achievements," the Dean reminded the graduates.

"The meaning of your B.A. is that you have reached a certain "degree" in your progress towards your ultimate objective which is self-realization," Dr. MacKinnon concluded.

"War may be destroying itself by its very destructiveness, but survival cannot be left to chance," His Excellency George Ignatieff, Canadian Ambassador to the Geneva disarmament talks, told the graduates and guests at



Michael Brown, Secretary of Senate, stepped out of his role of Beadle for the Convocation ceremonies during the Thursday afternoon service to receive a Master of Arts degree. H. W. Pettipiere, Registrar, performed the hooding ceremony. Mr. Brown had the pleasure of hooding his wife, Colleen F. Brown, who received a Bachelor of Arts degree, during the morning ceremony.

the Thursday afternoon ceremony.

Dr. Ignatieff, gave his address after receiving the Honorary LL.D. degree.

The current discussions seeking agreement on strategic nuclear balance represent the best and possibly last opportunity to bring the nuclear race under control in our time, Mr. Ignatieff stated.

"The arms race is the product of the abuse of modern technology on a massive scale, as well as of conflicts in ideology and national interests," he continued. "The race will not be stopped by political or technical means alone but by a combination of both."

The peace we seek is, "the triumph of reason over irrationality, of hope over despair. Consequently, arms control and disarmament inevitably are to be found at the heart of any significant peace program today," he said.

James N. Allan, former Treasurer of Ontario, and currently chairman of the Niagara Parks Commission, received an honorary LL.D. degree at the Friday morning ceremony. Dr. Allan, a 1914 graduate of the OAC, recalled his own graduation day and commented on the tremendous developments at the University since that time.

"I remember I had the feeling that the Ontario Agricultural College was the first institution of its kind in Canada. In my enthusiasm I might have extended the borders to the whole of the North American continent. Even if this feeling was a bit optimistic, I have since concluded that rural Ontario has been well served in education and research pertaining to agriculture by this institution," he said.

"We, who have had an interest in agriculture during the last half century, have been amazed at the technical advances in the science



Three graduates in the Honors B.A. program received awards for proficiency in French and Italian. Prizes of books were presented by the Swiss Consulate following the convocation ceremony on Thursday afternoon. Shown from left: Dr. R. A. Barrel/, Chairman of Languages; Mr. Louis C. Allemano, of Kirkland Lake, winner of the prize in Italian; Miss Marjorie A. Horsley, Guelph, winner of the French prize; C. William Gunson, North Keppel, also winner of the French prize; and Dean M. H. M. MacKinnon who addressed the morning convocation.



Judith K. Hunt of Winnipeg, Manitoba, was the winner of the Winnie Ablett Lawson Award. Miss Hunt is shown with Mr. R. O. Lawson who presented the award during a banquet for the graduating class of Macdonald Institute prior to the convocation ceremony.

GRANTS

Dr. J. B. Black and Dr. J. P. Kyba, Political Studies, have been awarded a grant of \$4000 by the Department of University Affairs to do a study of the sources of information of political decision-makers in Ontario.

Dr. G. Tsang, Engineering, received a Water Resources Research Grant in the amount of \$5,000 for the study of change of velocity distribution, resistance and the associated bed erosion in a freezing stream.

Dr. D. E. Elrick, Soil Science, received a Water Resources Research Grant in the amount of \$3,000 for the study of a characterization of the properties affecting the removal of water-borne viruses by soil.

Professor J. C. Flinn, Agricultural Economics, received a Water Resources Research Grant in the amount of \$1,000 for the study of the allocation and pricing of water resources in a region.

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of farming during this period. These advances have been responsible for greatly increased production from the broad acres of this Province and, likewise, for a marked improvement the quality of the products of our farms.

"Our farmers deserve great credit for their progressive attitude in accepting and developing new and up-to-date farm methods. We should, however, never forget the part our college played in introducing the many new and up-to-date cultural practices that have contributed to this achievement, Dr. Allan stated.

Dean D. G. Howell of the OVC told the B.H.Sc. and D.V.M. graduates at the Friday afternoon ceremony that the college is negotiating for financial assistance from the federal government.

The OVC has traditionally opened its doors to students from all parts of Canada, he said, however the whole cost has been borne by the Ontario taxpayers. It seems only proper, he continued, that Canada as a whole make some form of financial contributions.

Dean Howell noted that OVC may be classed among the top half dozen leading veterinary colleges in the world. "Indeed if not among the top three."

"Although the number of high quality students who wish to enter OVC has risen by 46 percent this year, we can take only a quarter of those who have applied," he said.

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"We would like to increase our freshmen class from 80 to 100, but cannot do so until an extensive rebuilding program is completed."

The Ontario Veterinary College cooperates with such institutions as the medical faculties at the University of Toronto and McMaster University and with the Hospital for Sick Children, Toronto, in conducting research in biomedical science. This is a field concerned with organ and tissue disability in humans and animals, said Dean Howell. The main problems in human medicine lie in this field, and will be solved only by highly sophisticated animal studies and experimentation.

In addition, OVC hopes to develop an undergraduate program in biomedical science, he said. "We believe OVC is uniquely equipped to offer a program of this kind, and it would represent a notable contribution to the Health Sciences in Ontario."

However, Dean Howell noted that education in the Health Sciences is the most costly of any university field. Today, Health Sciences represent a great financial strain upon the educational funding of the province of Ontario. Therefore, he said, if OVC is to maintain its pre-eminent position, it must be looked on as a Canadian asset, and receive Federal as well as Provincial assistance.



Graduates in the Bachelor of Science (Engineering) program received awards following the Thursday afternoon ceremony. Shown are the two winners of the Massey-Ferguson Scholarships for students registered at a University in an approved course program leading to advanced work in Engineering or Science. From left: Bruce McBride of Varna, Professor Hugh Ayers, Director of the School of Engineering, and Ken Boyd of Meaford.

REPORT FROM SENATE

May 26, 1970 Meeting

The report on the proposed College of Biological Science tabled at the May 12 Senate meeting case under lengthy discussion at a special meeting of Senate, May 26.

Professor R. W. C. Stevens, chairman of the committee appointed the study role and function of biological science, said in his opening remarks that the final report represented a number of compromises between polarized opinions. He said that the proposed College would be "open-ended" and would allow room for further changes and innovations.

First to speak on the report was Professor T. K. Warley, Chairman of Agricultural Economics. Although basically sympathetic to the report, he said that it left too many questions unanswered. "It (the Report) didn't tell us why we need a College of Biological Science," he said.

"It is not correct to say the committee failed in its task," said Professor Warley, "just that it did not succeed."

A number of physical scientists showed concern over the proposed inclusion of biochemistry, biophysics and biometrics in the College of Biological Science. In defending the proposals however, Professor Stevens said that these sciences were sufficiently different from the pure sciences to warrant the move.

Dr. B. C. Matthews, Vice-President (Academic) summed up the feelings of many senators and the committee in commenting

on a suggestion that a college of agricultural and biological science be established. He said that at one time "We used to think that there should be a school of biology in OAC."

"However, the OAC is now expanding its role, especially in the field of environmental studies. We cannot leave basic biology in OAC; it would simply make the college too large."

This feeling was echoed by committee members who said they felt agricultural science and biological science were large enough to stand on their own.

During the discussion, one committee member criticized those senators who tended to speak for their own particular field, rather than for the good of the University as a whole. He said that the proposed college would benefit the University by giving it a uniqueness which would be renowned in Canada.

A number of departments indicated their willingness to become part of the College of Biological Science. The School of Physical Education, which could be called the School of Human Kinetics, and the Department of Nutrition favor the move. In an unprecedented move, Professor J. D. Hundleby of the Department of Psychology said that his department would be quite willing to join a College of Biological Science.

The meeting adjourned with no discernable consensus reached. Discussion is expected to continue at the next Senate meeting.

MOTIONS PASSED

Striking Committee

Senate accepted the following membership to sit on the special committee named by Senate on May 12 to investigate the charges made by Miss Evans with respect to any violation of Senate regulations and to determine whether the B.A. Board of Review acted in accordance with their terms of reference: A. K. Colter, P. M. Harney, L. O. Lillie, **w. w.** Straka, R. L. Thomas.

Committee on Student Petitions

Membership of the Committee on Student Petitions has been changed to consist of the Chancellor, the President, the Registrar and 15 members of Senate, at least eight of whom are elected members of senate, who are not simultaneously members of any Board of Review, with Deans, Directors of Schools, and Chairmen of Program Committees being added as non-voting consultants. The Bylaws Committee was instructed to revise Bylaw 88 accordingly in time to allow the Striking Committee of Senate to strike the 1970-71 Committee on Student Petitions in accordance with this new membership.

Senate approved the following report concerning the disposal of petitions: Four petitions were granted, nine were denied, three were referred, and there was one inapplicable petition.

Professor Ayers receives merit award



Professor Hugh Ayers.

Professor Hugh Ayers, Director of the School of Engineering, University of Guelph has received the I HD Merit Award in Hydrology in recognition of his contributions to the study

and understanding of water resources. The Award was presented to Professor Ayers today in Fredericton, N.B., during the annual meeting of the Canadian National Committee for the International Hydrologic Decade.

The International Hydrologic Decade is a ten-year program of international co-operation in the study of the earth's water resources. Scientists in over 100 countries are co-operating in a wide variety of research projects relating to water conservation and use during the period which runs from 1956 to 1974.

Professor Ayers took an active part in the planning of the Decade program commencing in 1963.

Professor Ayers has made a number of contributions to the Canadian program for International Hydrologic Decade. He participated in the organizing of a series of seminars on hydrology at universities across Canada to familiarize Canadian scientists and engineers with problems. He also has served as Chairman of a national committee known as the visiting professors' committee on hydrology to assist in arranging for hydrology specialists to spend a period of time as visiting professors at various universities in Canada.

Professor Ayers conducted a study on edu-

cation for technicians in hydrology which has resulted in establishment of some programs of post secondary education in hydrology in Canada to train technicians who serve in supporting roles to research scientists.

In addition, Professor Ayers has served on the International Committee on the influence of man on the hydrologic cycle as well as participating in a number of symposia on watershed hydrology in Canada.

A graduate of the University of Saskatchewan in 1942, Professor Ayers joined the faculty of the School of Engineering, Ontario Agricultural College, University of Guelph in 1951 after completing graduate studies at Washington State University. He was named Director of the School of Engineering at Guelph in 1968.

From 1960 to 1962, Professor Ayers was visiting professor at the School of Civil Engineering, University of New South Wales, Sydney, Australia, and in 1963 served for a period as a consulting hydrologist under FAO on a major project in Kenya. Since 1964 he has been consulting hydrologist with the Trinidad Water Resources Survey, a Canadian external aid project.

OAC Committee Report

A major report from the O.A.C. Study Committee was tabled at the May 12, 1970 meeting of Senate. A summary of the report follows.

Because of the close relationship of environmental studies to agriculture, several departments associated with biology should be retained within the Ontario Agricultural College, the OAC Study Committee says in its interim report to Senate.

The OAC is committing itself to integrating environmental studies throughout its programs, the report says. In order to do this, it must retain the necessary scientists within its academic organization.

The report, which was tabled at the May 12 Senate meeting, expresses concern that some departments deeply involved in environmental studies may transfer to the proposed College of Biological Science.

It recommends that the Botany Department, which is closely concerned with many OAC studies should stay within OAC. Similarly, at least the majority of the Microbiology Department's faculty members should remain with OAC. The report expresses the hope that the multidisciplinary programs it proposes will induce the Zoology Department to stay with OAC. If not, however, it urges that cooperative programs between that department and OAC be continued and expanded. It also urges that the entomology program, now administered under the Zoology Department be merged with OAC's Apiculture Department.

The report suggests that, in accordance with its emphasis on both agriculture and the environment, the OAC be renamed the College of Agriculture and Environmental Studies. The final

name for the college, however, should be decided by a new study group, recommended to investigate OAC's administrative organization.

The OAC's interest in the study and control of man's environment is underlined in its proposal that the college develop an undergraduate major program in environmental studies. It recommends that a study group be formed, to set up such a program.

Graduates of this program would be able to attack such problems as pollution and the development of parklands, with an understanding of all the issues involved. The report proposes that the program should require a minor specialization or some specific aspect of the resources field as a basis for post graduate study or professional employment.

Students are interested in this field and graduates in it are needed. "Rural landscape is giving way to patterns of urban and suburban sprawl," the report notes. "Lands that are intrinsically suitable for agriculture, fish and wildlife, and recreation are being lost in an unplanned way to residential-industrial development, highways, and other communication networks. Inadequate consideration is given to the significance of these changes on the ultimate welfare of man. Thus, a new set of values and philosophy must be developed concerning the use of natural resources."

The OAC, and the University of Guelph as a whole, is a unique university because of its strength in both agriculture and biology, the report says. It can become a leader among Canadian universities in environmental studies, sending out graduates well prepared to meet the challenges in this important aspect of human life.



Agriculture student designed crest

One graduating student from the Associate Diploma in Agriculture program is leaving his mark on the campus. Matt Marui of Osaka, Japan, designed and carved the new crest for Lambton Hall. Above is Mr. Marui showing his mother Hisako Marui, the crest which hangs in Lambton Hall. Mrs. Marui travelled from Osaka to Guelph to attend the graduation ceremony.

Another new residence for Guelph

Klein and Serars, architects for Housing Area C, the University's next residence project meant to provide space for 1,142 students in its first phase, have been authorized to proceed with working drawings for this phase of the development.

The design was approved by the Board of Governors at its May 22 meeting.

The complex is to be located in a 36 acre area east of the East Ring Road.

The committee which planned it was under the chairmanship of Mr. E. J. Boland, director of residences, and contained nine student members, five members from administration, a representative from the faculty, and two consultants.

Construction is planned to begin about next January 1, subject to allocation of CMHC funds by the Ontario Department of University Affairs. The target date for completion is September, 1972.

The buildings are planned to harmonize with other university buildings and the surrounding landscape, and will be constructed largely of brick, similar to the university's present

residences. Within the residence students will live in suites, which will contain kitchen; living room, washroom and sleeping facilities.

The suites are meant to provide students with the privacy of a home environment, as well as afford opportunities for social interaction.



Architect's sketch of the new University of Guelph residence.

FACULTY ACTIVITIES

Miss **M. D. Cameron**, **Mrs. J. M. Hill**, **Mrs. P. Oughton**, Miss **F. Blizzard**, **Mr. G. Pal** and **Mr. W. P. Rolph**, McLaughlin Library, attended sessions of the Annual Conference of the Ontario Library Association in Toronto. Mrs. Hill presented a paper, "The Challenge of Administration," at the meeting of the College and University Division.

Mrs. Margaret Beckman, McLaughlin Library, attended the AUCC Conference on Canadian University Planning at Lakehead University.

Dr. J. deBoer, Department of Biomedical Sciences, presented at the Sick Children's Hospital in Toronto a seminar entitled Partial Splenectomy. Intrahepatic B iliodigestive Anastomoses.

Dr. B. J. McSherry, Pathology, presented a paper on Leukemia in Animals at the Canadian Public Health Association 61st Annual Meeting which was held in Winnipeg, Manitoba.

Dr. L. H. Karstad, Pathology, chaired a session at a meeting of the Council of the Wildlife Disease Association. He also presented a paper at the annual meeting of the Wildlife Disease Association which was held in Atlanta, Georgia. **Dr. Joan Budd**, Pathology, also attended the meeting.

Prof. R. G. Rowberry, Horticultural Science, was in Britain recently and visited potato research stations at Edinburgh, Penecuik, Invergowrie, Nottingham, Wellesbourne, Silsoe, Chipping Camden, Birmingham and Camborne.

Leslie Henderson, Psychology, delivered a paper On Mental Energy to the Canadian Chapter, American Society for Cybernetics at their Spring Conference, Ontario Science Centre.

Professor Alexander H. Brodie, **Professor C. Stuart Hunter**, **Professor Gerald Rubio**, **Mrs. Mary Rubio** and **Professor George Hibberd**, English Department, participated in the Conference of the Renaissance Society of North America held on this campus. **Professor Marshall Matson** addressed the conference on Friar Bacon and Friar Bungay.

Mrs. Margaret Beckman, McLaughlin Library, delivered a paper entitled Standardization of Government Publications at a National Conference on Cataloguing Standards in Ottawa. The Conference, held at the National Library, was chaired by Mr. L. F. MacRae. **Miss Cameron** also attended the conference and was a member of the Resolutions Committee.

Dr. J. P. Kyba, Political Studies, attended the One Prairie Province Conference held at the University of Lethbridge.

Dr. Janet **Wardlaw**, Dean, College of Family and Consumer Studies, and **Mrs. Nora Stevens**, Miss Edith **Shantz** and **Miss Enid Easterbrook**, Family Studies, attended the Annual Conference of the Association for Early Childhood Education, Ontario, in Thunder Bay. Dr. Wardlaw presented the program of the new Early Childhood Education major at Macdonald Institute.

Professor Norman Pearson, Chairman of the Centre for Resources Development, spoke to the Geography students of Guelph Centennial C.V.I. on the topic Pollution and the Future of Cities and addressed the Orillia University Women's Club on the topic Population, Resources, and Pollution.

Dr. L. A. Cooper, **Mrs. C. Wells**, and **Dr. John T. Powell**, of the School of Physical Education attended a two day conference at York University to consider the part Physical Education has to play as a Health Science.

PUBLICATIONS

A. R. Nagy and K. Ronald. The harp seal, *Pagophilus groenlandicus* (Erxleben, 1777). VI. Structure of retina. *Can. Jour. of Zool.* Vol. 48. No. 2 pp. 367 - 370.

W. D. Blaine and S. E. Dixon, 1970. Hormonal control of spermatogenesis in the cockroach, *Periplaneta americana* (L.). *Can. J. Zool.* 48: 283-287.

Hugh R. MacCrimmon and J. Scott Campbell. 1969. World distribution of brook trout, *Salvelinus fontinalis*. *J. Fish. Res. Bd. Canada* 26: 1699-1725.

G. E. Turner and H. R. MacCrimmon. 1970. Reproduction and growth of smallmouth bass, *Micropterus dolomieu*, in a Precambrian Lake. *J. Fish. Res. Bd. Canada* 27: 395-400.

R. C. Anderson and Uta R. Strelive, 1969. The Effect of *Pneumostromylus tenuis* (Nematoda: metastrongyloidea) on Kids. *Can. J. of Com. Med.* Vol. 33, No. 4, pp. 280 - 286.

R. C. Anderson and A. K. Prestwood, 1969. *Paronchocerca bumpae* n. sp. from the brushland tinamou and the position of *Paronchocerca* within the Splendofilariinae (Filarioidea). *Can. J. Zool.* 47: 1325 - 1331.

G. J. Farmer and F. W. H. Beamish, 1969. Oxygen consumption of *Tilapia nilotica* in relation to swimming speed and salinity. *J. Fish. Res. Bd. Canada* 26: 2807 - 2821.

A. L. A. Middleton, 1969. The Moults of the European Goldfinch Near Melbourne, Victoria. *Emu*, Vol. 69, No. 3, pp. 145 - 154.

F. D. Bokdawala and J. C. George, 1969. Histochemical Observations on Creatine Phosphokinase Activity in the Red and White Fibres of Normal and Denervated Pigeon Breast Muscle. *J. neurol. Sci.* 9: 443-448.

A. J. Musgrave, 1969. Team Participation in Environmental Biology. *The American Biology Teacher*, Vol. 31, No. 10.

F. Hung, Geography, Application of the Systems Concept to a Comparative Study of the Tea Industry in Proceedings of the Canadian Association of Geographers, 1970, pp. 165 - 172, 3 maps and 3 charts. (Third of a new series of articles on tea gardens and estates. The study is supported by the Canada Council, 1967-1970. The first paper was published (1968) by the Association of American Geographers. The second paper, read at the 21st International Geographical Congress, New Delhi, December, 1968, has been accepted for publication in the Congress Proceedings).

Michael B. Jackson, and Patricia M. Harney. Rooting cofactor, indoleacetic acid, and adventitious root initiation in mung bean cuttings (*Phaseolus aureus*) *Canadian Journal of Botany.* 48: 943-946, 1970.

J. Slocombe, D. Owen, Pathology and J. H. Whitlock, Cornell University. Rapid Ecdysis of Infective *Haemonchus contortus* cayugensis larvae. *J. Parasit.* 55: 1102-1103, 1969.

J. Slocombe, D. Owen, Pathology and J. H. Whitlock, Cornell University. Effects of heat and Lugol's iodine on the evaluation of ecdysis of infective *Haemonchus contortus* cayugensis larvae. *Trans. Amer. Microp. Soc.* 89: 71-74, 1970.

J. W. Ketcheson and M. Jakovljevic, 1970. The effect of plant growth on the transformation of mineral nitrogen in soils. *Plant and Soil* 32: 254-257.

F. F. Gilbert and E. D. Bailey, 1969. The Effect of Early Weaning on the Sexual Behavior and Reproductive Success of Ranch Mink. *J. of Mammology*. Vol. 50, No. 4, pp. 742-747.

Frederick F. Gilbert, 1969. Physiological Effects of Natural DDT Residues and Metabolites on Ranch Mink. *Jr. of Wildlife Management*. Vol. 33, No. 4, pp. 933-943.

J. G. Penney and E. D. Bailey, 1970. Comparison of the Energy Requirements of Fledgling Black Ducks and American Coots. *Jr. of Wildlife Management*. Vol. 34, No. 1, pp. 105 - 114.

E. B. Burnside. Cow Indexing Procedures and Culling Levels for Potential Dams of Dairy Bulls. *J. Dairy Sci.* 53:195.

APPOINTMENTS



College of Social Science Dean

Dr. John Skinner, Chairman of the Department of Economics has been named dean of the university's new College of Social Science. In making the announcement President W. C. Winegard said the appointment becomes effective July 1st when the new College comes into being. "Since coming on campus in 1965, Dr. Skinner has ably demonstrated his abilities as a teacher, scholar and administrator," the



New Sociology Chairman

Dr. Christoffel A. O. van Nieuwenhuijze of the Netherlands has been appointed Chairman of the Department of Sociology and Anthropology. He holds a D.Litt. degree from University of Leiden in the Netherlands, and since 1954 has been a professor of Sociology at the Institute of Social Studies, The Hague. He served as director of research at the Institute from 1960 to 1967. The new chairman has published a dozen books plus a two volume work, *The Sociology of the Middle East*, currently in the press.

Expected to arrive in Guelph in August, Dr. and Mrs. van Nieuwenhuijze and their three children are no strangers in North America. They spent a year in California when Dr. van Nieuwenhuijze was a visiting Professor of Sociology of the Middle East at U.C.L.A.; they lived in New York for a year when he was a Visiting Professor of Sociology at Brooklyn College of the City University of New York.

Dr. van Nieuwenhuijze's speciality, Sociology of the Middle East, has led to involvement in many activities. He served on the Mediterranean Social Sciences Research Council, becoming Director of Research in 1969. He was a consultant to the United Nations Arab States Conference on Social Aspects of Economic Development; and to a UNICEF Regional Seminar on Youth Problems held in Kuwait. He travelled to Rensselaerville, New York as a Strauss Fellow at the Institute of Man and Science.

His active role in the Social Sciences includes editing two series, published in the Netherlands: "Studies in the Social Sciences" and "Economic, Social and Political Studies of the Middle East."

President continued.

The college is being formed from the present Wellington College of Arts and Science which is being divided into a College of Arts and a College of Physical Science as well as the College of Social Science.

Dr. M. H. M. MacKinnon, who is currently Dean of Wellington College will be Dean of the College of Arts and Dr. E. B. MacNaughton, who is now Associate Dean of Wellington will be Dean of Physical Science

Dr. Skinner came to the University of Guelph in 1965 from George Washington University in Washington, D.C., where he had been chairman of the economics department for the previous four years. He graduated from Wesleyan University, Middletown, Connecticut, in 1942. Then, after serving with the armed forces during the Second World War, he took a Master's degree in economics in 1947 and a doctorate in 1954, both from the George Washington University.

Over the past few years, Dr. Skinner's major research interests have been concerned with the methodology of economics with particular concern for the "construction of economic knowledge" and the interaction between deductive and inductive reasoning. Research has included investigation of the problems of pure theory, normative, applied, speculative, historical, econometric and institutional approaches and their interdependence.

German scientist on campus

Dr. Reiner Hamm, Director of the Institute of Chemistry and Physics, German Federal Institute of Meat Research in Kulmbach, Germany, is visiting the campus.

Earlier this week, Dr. Hamm presented a paper entitled Interactions Between Phosphates and Meat Proteins at the Phosphates in Food Processing symposium held in the Physical Sciences building.

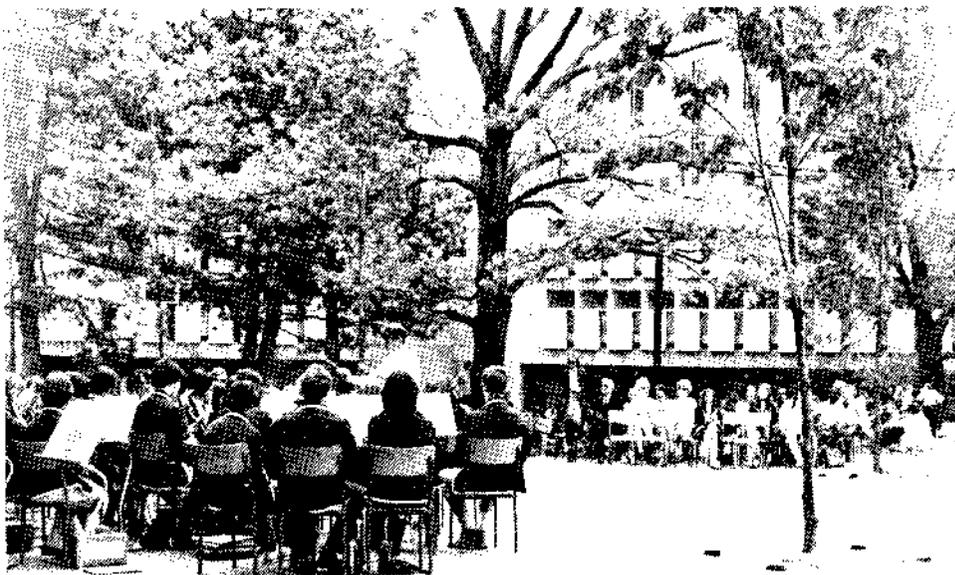
Tomorrow, Friday, June 5, Dr. Hamm will address faculty and graduate students on the topic, Current Research on the Chemistry and Biochemistry of Meat at the German Federal Institute of Meat Research in Kulmbach.

Dr. Hamm is a world renowned investigator of the problems pertaining to meat chemistry. His work includes studies of the water holding capacity of meat and the effect of heat on muscle proteins.

The seminar is being sponsored jointly by the Departments of Animal Science and Food Science. All interested faculty and graduate students are most welcome to attend.

FREEDOM AND AUTHORITY

Students from Everdale Place, the free school near Hillsburgh, and from Centennial High School, Guelph, will exchange views on their educational systems in Room 107, Arts building at 8:00 p.m., June 9. All are welcome. This is part of the Continuing Education Series.



Earl Haig band visits campus

The first outdoor Noon Hour music program was held on the brick walk adjacent the Red Lounge of the Arts building. The Earl Haig Collegiate Band from Willowdale presented a program of selections ranging from Beethoven to Hair. Students, faculty, staff and townspeople enjoyed a picnic lunch and the band led by Mr. R. J. Cringan and student leader Bill Bradley. Mr. Bradley is shown leading the group during a selection from West Side Story.

NEXT WEEK AT GUELPH

THURSDAY, JUNE 4

Music JOHN MCKAY, PIANIST. Music Room 107, Arts. 12:10 - 12:45 and 1:10 - 1:45 p.m.

FRIDAY, JUNE 5

Seminar CURRENT RESEARCH OF THE CHEMISTRY AND BIOCHEMISTRY OF MEAT AT THE GERMAN FEDERAL INSTITUTE OF MEAT RESEARCH in Kulmbach, by Dr. R. Hamm, Director of the Institute. Room 156, An.Sc. building. 9 a.m.

SATURDAY, JUNE 6

Field Day ONTARIO GOAT SOCIETY ANNUAL FIELD DAY. Dairy Cattle Pavilion and Animal Science building. Contact: Dr. M. Freeman.

Ballet GUELPH BALLET ACADEMY with guest artists from the National Ballet of Canada and the Canadian Junior Ballet. 8 p.m. John F. Ross Auditorium. Tickets at University Box Office.

SUNDAY, JUNE 7

Art TREASURES FROM GUELPH HOMES, Exhibition opens in the main corridor of the Arts building. Reception 3 -- 5 p.m.

Worship ANGLICAN-UNITED CHURCH SERVICES cancelled for the rest of the semester. Watch coming events for services in the fall semester.

Worship R.C. FOLK MASSES. There will be no 10:30 a.m. mass in Memorial Lounge. There will be a Mass at 11:00 a.m. at Camp Brebeuf, Rockwood and at 7:30 p.m., 9th floor lounge, Arts.

TUESDAY, JUNE 9

Lecture RIGHTS: REDUNDANT, USEFUL, NON-REDUNDANT by David Braybrooke, Department Philosophy, Dalhousie University. 8 p.m. Room 316, Arts.

Senate UNIVERSITY OF GUELPH SENATE MEETING. Room 113, Phy.Sc. 8 p.m.

Lecture-Discussion EDUCATION: FREEDOM AND AUTHORITY. Learning for Living Series. Topic: Free or Structured? Room 107, Arts. Chairman: Charles Erion, University of Guelph, Philosophy student. 8 p.m.

THURSDAY, JUNE 11

Seminar RECENT SYNTHESSES IN THE SCLEROTIORIN GROUP OF FUNGAL METABOLITES by Professor W. B. Whalley, University of London School of Pharmacy. 4:10 p.m., Room 260, Chem.Micro. building.

Lecture REMOTE SENSING IN RESOURCES MANAGEMENT by Dr. Lee Miller, Colorado State University. 7:30 p.m. Room G48, Biology.

FRIDAY, JUNE 12

Seminar REMOTE SENSING IN AGRICULTURE by Dr. Lee Miller, Colorado State University. 10 a.m. Room 318, Arts.

Dickens Films



W. C. Fields as
Micawber in
David
Copperfield

The Department of English is sponsoring a film series to mark the 100th anniversary of the death of Charles Dickens.

Five screen versions of Dickens' novels will be shown on successive evenings in the Physical Sciences building and the Chemistry and Microbiology building.

No other novelist in English history so engrossed the attention of his age and had such complete success with readers from the highest to the lowest members of society as Charles Dickens. To his contemporaries he was the master of sentiment but his popularity arose from his denunciation of specific ills that everybody hated and his advocacy of improvements that everybody supported.

Dickens was born in 1812, the son of a minor government clerk. When Charles was 12, his father was thrown into prison for debt and the boy had to drudge in a factory making shoe blacking. His formal schooling ended when he was 15. Becoming first a legal reporter, Dickens gradually began writing literary pieces which were published sporadically in periodicals between 1833 and 1835. The success of the first collection of these pieces (entitled Sketches by Boz) so encouraged him that he began to write seriously (and prodigiously) after keeping more than one novel going in separate monthly installments.

The film series covers most of Dickens' career as a novelist from the early *Oliver Twist* (1837-39) to *The Mystery of Edwin Drood* which remained uncompleted at his death in 1870. It also ranges from the highly typical and partly autobiographical *David Copperfield* (1849-50) to *A Tale of Two Cities* which is least characteristic of the author's style.

Tickets for the series may be purchased in the Arts building box office, (near the Red Lounge) for \$1.00. Admission to individual films will be 25 cents payable at the door.

The films selected for the series are all of the 1930's and will be shown at 8:30 p.m. as follows:

June 8	David Copperfield (1934)	Phy.Sc. 105
June 9	A Tale of Two Cities (1935)	Chem- Micro 200
June 10	Scrooge (1935)	Phy.Sc. 105
June 11	Oliver Twist (1933)	Phy.Sc. 105
June 12	The Mystery of Edwin Drood (1935)	Phy.Sc. 105

PERSONALS

- Wanted to Rent — furnished or unfurnished apt. from Sept. 1, 1970. Call Dean MacKinnon, Ext.3301.
- Home for rent — July and Aug. Call 822-2953.
- For Rent — furnished house in London, England. Three bedrooms, living room, dining room, kitchen, bath, garage, 82.0.0 per mo. Contact: Mr. K. W. Graham, 38 Pennine Drive, London, N.W.2, Eng.
- For Sale — 3 bedroom stone house — excellent study — 821-1024.
- For Sale — 24' cabin cruiser on Trent Canal at Frankford. J. Ketcheson 2489.
- For Sale — 1968 Land Rover — 10 passenger Station Wagon — 821-6285.
- For Sale — '63 Chev-Belair. 821-2591 after 5 p.m.
- For Sale — '63 Chev. automatic, 821-2596 after 5 p.m.
- For Sale — Man's bicycle — \$10; 1962 Pontiac Coach — Ext. 2647.
- For Rent — Camping Trailer — 821-2504 evenings.

For Sale — Ladies 3-speed bicycle. Excellent condition. Extension 3863 or 822-5760 after 6 p.m.

For Rent or Sale — 4 bedroom house off College Avenue. 824-7942.

For Rent — house, 3 bedrooms, fireplace, rec room, St. George's park. Available June 1. Ext. 3326 or 821-7878 after 5 p.m.

For Sale — Siamese male kitten, chocolate point. Excellent papers. Ext. 3422 or Kit. 576-7912.

• Sublet — 2 bedroom apt. Early Aug. Ext. 3983.

• For sale — Beatty 20 - 40 pound pressure well pump and % HP motor. 824-8489 after 5 p.m.

For Sale — antique table and floor lamp; love seat; drapes. 821-0136.

For Sale — 4 seat chesterfield; teak dining suite with four chairs; drapes; sunbeam polisher; high chair; teak bedroom suite; Ext. 2161.