



### International Conference

## Biological Activities of Complement

An important international conference on the biological activities of complement begins on campus Thursday of this week and runs until Saturday. Twenty-four scientists from Europe, Asia, and all parts of North America will contribute to the program. About 300 are expected to attend.

Complement is an important part of the immune mechanism of man and animals. It consists of a complex of 11 serum proteins by which the body protects itself against foreign cells which may enter the body.

This includes a wide variety of reactions and activity within the body. For example, complement plays an important role in protection against disease caused by bacteria or other microorganisms through destruction of the invading agent. Complement functions in inflammatory immunological and allergic reactions. It also plays a part in the rejection mechanism so often associated with organ transplants from one individual to another.

Dr. D. G. Ingram, Associate Dean, OVC, has played a key role in planning and organizing the conference. He has served as Chairman of

the local committee as well as being a member of the program committee. Program committee chairman is Dr. R. J. Douglas, Microbiology. Miss Ruth Saison, Biomedical Sciences is Chairman of the Registration Committee, and Dr. R. W. C. Stevens, Biomedical Sciences is in charge of accommodation.

Canadians participating in the program are Dr. Ingram and Dr. B. Cinader, Department of Medical Cellular Biology, University of Toronto. Dr. Cinader is Past President of Canadian Society for Immunology.

## Food Science Department Featured at Kitchener Fair

The University of Guelph's exhibit at the Central Ontario Exhibition in Kitchener this year will feature the Food Science Department. The Exhibition will run from September 1 to September 7, and is expected to draw large crowds from the surrounding area including Guelph.

The dairy industry will be the focal point of the University exhibit, which will be part of a larger area devoted to agriculture and food. Research programs in dairy science for the benefit of consumers and producers will be highlighted in the display as well as teaching programs.

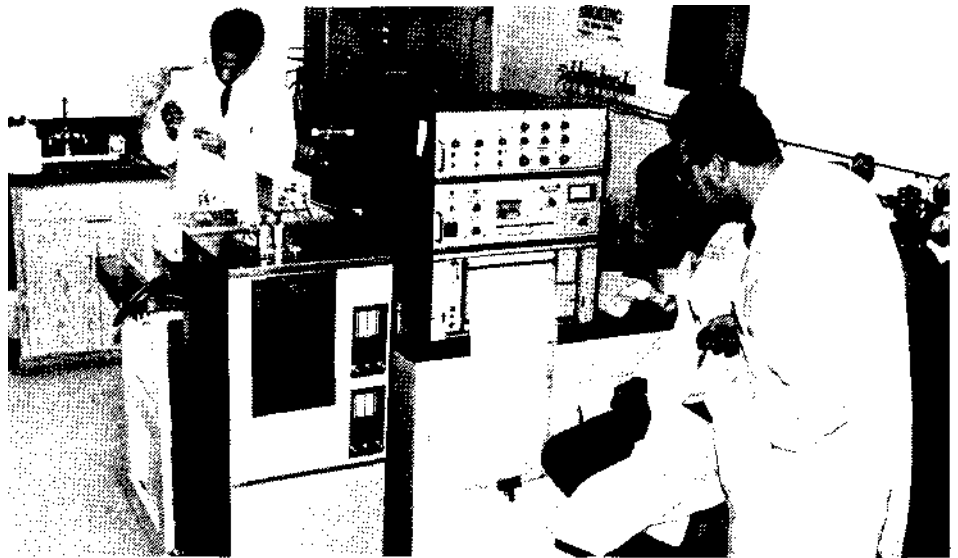
One section will outline a few of the opportunities open to graduates who have specialized in dairy science.

The display will also be of particular interest to housewives concerned with serving their families attractive and nourishing meals.

The Department of Food Science at the University of Guelph has seen major changes in its curriculum and its research activities in recent months. The food industry is one of the fastest growing in Canada today and offers many career opportunities. It now represents Canada's largest single industrial segment with an annual product value of over seven billion dollars.

In addition, a wide range of industries supply machinery, chemicals and packaging to the food industry, and these suppliers also require key personnel with a background in food production and processing.

Within the food industry, the door to a wide



*Electronic analysis of data is important in the food industry today.*

range of supervisory and management positions is open to graduates. These opportunities include such positions as plant manager, quality control supervisor, food chemist, food bacteriologist, research and product development officer.

Many graduates find employment with government agencies. These positions include work in research laboratories or in control or regulatory agencies which ensure the protection of the public in our food products.

The new curriculum in the Department of Food Science has been set up to meet the standards of the Institute of Food Technology, which serves as a regulating body for the food science industry in North America. It is now easier for outside institutions to evaluate Guelph's food science graduates. This assists students in seeking jobs in other parts of North America and aids other institutions in assessing

*Continued on page two.*

## FACULTY ACTIVITIES

**Dr. C.M. Warner**, Chemistry, has returned to Guelph after spending a year in Utrecht, The Netherlands as guest scientist at the Organisch Chemisch Instituut, T.N.O. The Instituut is one of the main centres in the world for research in organometallic chemistry especially in the area of dimetal- and dimetalloid compounds of silicon, germanium, tin and lead. At present part of his teaching responsibility is co-ordinator of the new integrated laboratory course in Chemistry to be offered for the first time in the Winter semester, 1971.

**Dr. William J. Vail**, Microbiology, has had a paper accepted to be presented before the 8th International Congress of Biochemistry at Montreux, Switzerland, September 8. The title of the paper is "Enzymatic activities and surfactant properties of the lamellar body from bovine lung."

**Professor T.K. Warley and Professor H.B. Huff**, Agricultural Economics have been appointed to a sub-committee of the Canada Grains Council, to prepare a brief in response to the Task Force recommendations on the marketing of Canadian wheat, feed grains and oil seeds.

**Professor R. G. Marshall**, Agricultural Economics, will be on leave of absence at Massey University, New Zealand from September 1970 to June 1971, to make a study of the New Zealand dairy industry and milk marketing policies. A grant-in-aid of \$5,000 to support this study has been made to the Department of Agricultural Economics by the Ontario Milk Marketing Board.

*Continued from page one.*

applicants for graduate study and for scholarships.

The University of Guelph's department, which is one of six food science departments in Canada, offers two programs. Students who wish to major in dairy science take courses leading to a Bachelor of Science in Agriculture degree. Those majoring in food science take a Bachelor of Science degree.

For students in food science (there are about 40 at the moment in the two Guelph programs), graduate work is also a possibility. About 20 per cent of graduates are expected to go into this field.

The Food Science Department is maintaining contact with food companies for a number of reasons: Faculty members can keep in touch with the practical problems of processing and preserving foods, and find out what research projects are most needed by the industry. They can gain financial support for graduate research projects. In addition, they can maintain watch on what job opportunities are best for Guelph's food science graduates.

**Dr. P. K. Basrur**, Biomedical Sciences, was invited to Washington, D.C. to serve on a Technical Review Committee of the National Heart and Lung Institute, National Institutes of Health Bethesda, Md. The Committee reviewed the research proposals for the Artificial Heart Program of the National Institutes of Health.

**Dr. J. E. W. Jackson**, Sociology and Anthropology, presented a paper "Primary and Secondary Exchanges: Balancing Processes in Professor-Student Relations," to the Canadian Sociology and Anthropology Association's meeting in June at Winnipeg.

**Dr. R. A. Fletcher**, Botany, has been invited to attend the Seventh International Conference on Plant Growth Substances to be held in Canberra, Australia, on December 7-12, 1970. Dr. Fletcher will present a paper on "Hormonal Regulation of Plant Senescence" which is the major interest of his research group.

**Dr. R. T. Riddell**, Botany, has returned from sabbatical leave. During his leave, he visited University of Louisiana, University of Texas, Stanford University, Kettering Foundation, University of Arizona, and Purdue University to evaluate and learn about the newer approaches to teaching and instructing in Science.

**Dr. C. M. Switzer**, Botany, was the main speaker at the annual meeting of the Canadian Seed Growers, which was held in London, Ontario, July 10. In his speech, "Chemical problems in Agriculture in the 1970's", Dr. Switzer discussed the value of agricultural chemicals in Canada and outlined the consequences to the Canadian population if such chemicals should be banned.

Five members of the Department of Economics, attended the Fourth Annual Meeting of the Canadian Economic Association in Winnipeg, June 3 - 6. Those attending were Professors **R. E. Ankli**, **D. A. L. Auld**, **W. Cerrol**, **J. J. Madden**, and **L. P. Sydor**. Professors Ankli and Auld presented papers while **Professor Madden** chaired one of the sessions.

**Dr. R. A. Barrell**, Languages, has returned from a three-month stay in the U.K. sponsored by the British and Canada Council. While there, he toured some of the newer universities as well as pursuing his research in comparative literature at the British Museum.

**Dr. C. M. Switzer**, **Dr. G. R. Stephenson**, and **Dr. L. W. Smith** and several graduate students from the Department of Botany, recently participated in the four-day long Ontario Weed Days. Participants in the tour evaluated weed control research plots at research stations in Harrow, Woodslee, Simcoe, Delhi, Ridgeway, Preston, Guelph and Elora, Ontario.

**Dr. Victor J. Matthews**, Classics, placed 6th in the Ontario 10 Mile Road-Running Championship held in Toronto's High Park on August 19. He was in attendance at the British Commonwealth Games held in Edinburgh, Scotland July 18-25 in which Grant McLaren ('70 U. of G. alumnus) competed in the steeplechase event.

Mr. **G. R. Johnston**, Research Scientist, C. D. A. at the Horticultural Science Department and Professor **R. G. Rowberry**, of the same department attended the Annual Scientific Conference of the Potato Association of America held at the University of California, Riverside on July 27th to 31st. Mr. G. R. Johnston presented a paper, authored by Dr. A. Zitnak of the Horticultural Science Department and himself entitled "Glycoalkaloids and bitterness in potatoes."

**Dr. C. M. Switzer**, Botany, recently attended a Turfgrass Weed Science Conference in Marysville, Ohio, sponsored by O.M. Scott Ltd. Dr. Switzer presented an invited paper which dealt with present methods and future prospects for the use of herbicides on lawns and golf courses.

**Professor P. J. Barry**, Agricultural Economics presented a paper on "Farm Planning-Organizational Responses to Risk and Uncertainty" at the Annual Meeting of the Canadian Agricultural Economics Society, Ottawa, July 1970.

**Professor T. K. Warley**, Agricultural Economics gave an address on "The Effective Use of High Cost Credit" to the Farm and Home Management Day sponsored by the Ontario Department of Agriculture and Food at Tavistock, July 21.

**Professor P. A. Wright**, Agricultural Economics represented O.A.C. at a meeting of the National Farm Management Committee in Victoria, B.C., July 15-17.

**Professor P. A. Wright**, Agricultural Economics participated as an invited consultant in the meeting of the Canadian Council on Rural Development in Truro, N.S., July 30-31.

**Professor T. K. Warley**, Agricultural Economics, attended a Workshop on "European Agriculture in a Global Context" arranged by The Atlantic Institute in Paris, France July 12, 13.

Members of the Department of Agricultural Economics arranged and participated in a Workshop on the recommendations of the Federal Task Force on Agriculture, at Guelph, July 28th.

**Professor P. J. Barry**, Agricultural Economics, has received a grant of \$5,000 from the Canada Department of Agriculture to investigate financial information requirements for long-term farm planning.

# PUBLICATIONS

A. Ali and R. A. Fletcher, Xylem differentiation in inhibited cotyledonary buds of soybeans. *Can. J. Bot.* 48: 1139-40 (1970).

R. A. Barrell. The Problem of Meaning. *Speech Journal*. Vol. VII, 1970.

D. A. L. Auld. Inflation in Canada; The Policy Maker's Dilemma. *Journal of Canadian Studies*. May 1970.

H. B. Huff. The Canadian Wheat Economy: The Situation and the Alternatives. Ottawa; Agricultural Economics Research Council of Canada, 1970, pp. 16.

J. C. Flinn and J. W. B. Guise, An Application of Spatial Equilibrium Analysis to Water Resource Allocation, *Water Resource Research*, Vol. 6, No. 2, April 1970.

## Board of Governors has new member

The University of Guelph Board of Governors will have a new member, September 1, 1970. William W. Lasby will bring the Board membership to 21.

Mr. Lasby, 59, is Vice-President and a



*William Lasby*

director of Canada Packers Limited in Toronto, a position he has held since 1965.

A native of Ariss, near Guelph, Mr. Lasby attended high school in Guelph and later graduated from the University of Toronto with a Bachelor of Commerce degree in 1934. In the same year he joined Canada Packers, and after working in a number of departments, became Toronto Plant Manager in 1951. Nine years later he was appointed Assistant General Manager and in 1964 became General Manager.

Mr. Lasby is a member of the Board of Governors of Frontier College and is President of the University College Alumni Association. He is married with a son and daughter.

J. Thorsen and S. Djurickovic, Experimental Immunization of Sows with Cell-Cultured TGE Virus. *Can. J. of Comp. Med.* Vol. 34, No. 3, pp. 177-180.

F. H. S. Newbould, P. G. Carey and D. A. Barnum. The Numbers of Intramammary Infections and Teat Duct Colonizations in a Herd of Twins During a Hygiene Experiment. *Can. J. of Comp. Med.* Vol. 34, No. 3, pp. 203-208.

F. H. S. Newbould. Enhancement of Phagocytosis of Bovine Milk Leukocytes in vitro. *Can. J. of Comp. Med.* Vol. 34, No. 3, pp. 261-264.

O. P. Miniats, L. Mitchell and D. A. Barnum. Response of Gnotobiotic Pigs to *Escherichia coli*. *Can. J. of Comp. Med.* Vol. 34, No. 3, pp. 269-276.

E. D. Belino, W. R. Mitchell and F. H. S. Newbould. Factors Affecting the Relationship Between Electronic and Microscopic Cell Counts in Bovine Milk. *J. of Dairy Science*, Vol. 53, No. 6, pp. 719-726.

J. E. Winston Jackson. Toward the Study of the Relation Between Social Class and Religion. *Canadian Journal of Theology*, XVI, 1&2 (1970): 82-94.

F. H. Blizzard. West Indians in Canada; a selected annotated bibliography. The Library, University of Guelph, Bibliography Series No. 1.

B. Calvert. Forms and Flux in Plato's *Cratylus*. *Phronesis*, Vol. XV, (1970) No. 1.

A. A. van Dreumel, R. A. Curtis and H. L. Ruhnke. Infectious Thromboembolic Meningoencephalitis in Ontario Feedlot Cattle. *The Can. Vet. J.* Vol. II, No. 7, pp. 125-130.

E. H. Anthony. Bacteria in estuarine (Bras d'Or Lake) sediment. *Can. J. Microbiol.* 16: 373-389.

C. T. Corke and F. R. Thompson. Effects of some phenylamide herbicides and their degradation products on soil nitrification. Vol. 16 567-571, 1970.

G. R. Johnston, R. G. Rowberry and L. F. Mainprize. York, and early potato high in total solids and adapted to organic soils. *Am. Potato J.* 47, June 1970.

A. Zitnak and G. R. Johnston. Glycoalkaloid content of B5141-6 potatoes. *Am. Potato J.* 47, July 1970.

R. J. Hilton and G. F. Mason. Avocado Propagation in Trinidad. *Fruit Varieties and Horticultural Digest*, 24:3, 69-70. July, 1970.

T. M. Wilson, Pathology, and J. R. Long, Vet. Micro. and Immun. The Harp Seal, *Pagophilus Groenlandicus* (Erleben, 1777) XI I. Staphylococcal Granulomas (Botryomycosis) in Harp Seals. *J. of Wildlife Diseases*. Vol. 6, pp. 155-159.

## Sign of the times

This sign hangs outside a glass-enclosed roomful of computing machinery ...

ACHTUNG:

Alles Lookenspeepers

Das computenmaschine is nicht fur gefingerpoken Lund mittengrabben.

Ist easy schnappen der springenwerk, blownfusen, und poppencorken mit spitzzensparken.

Ist nicht fur gewerken by das dummkopfen.

Das rubbernecken sightssern keepen hands in das pockets — relaxen und watch das blikenlights.

The News Bulletin is published by the Department of Information and edited by Mrs. Betty Keeling. Copy for the next edition must reach the editor, Room 361, McLaughlin Library, not later than Friday, August 28, 1970.

## Extend Invitation to Concert

The Canadian Society for Immunology, in conjunction with the Department of Veterinary Microbiology and Immunology, is kindly extending an open invitation to attend the special concert which is to take place during the International Symposium on the Biological Activities of Complement being held on the campus August 27 - 29.

Erica Goodman, harpist and Hyman Goodman, violinist, will present a program of classical music in the Physical Science building, room 105 on Friday, August 28th, at nine o'clock.

Erica Goodman has performed at the National Arts Centre in Ottawa this summer and her father, Hyman Goodman, who for many years was concertmaster of the Toronto Symphony, has just returned from the University of California, where he was resident violinist.

There will be no admission charge.

# NEXT WEEK AT GUELPH

THURSDAY, AUGUST 27

**Symposium** CANADIAN SOCIETY FOR IMMUNOLOGY, meets on campus to discuss the Biological Activities of Complement, Continues to August 29.  
**TV** SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 7:15 p.m.  
**Art** GEORGE WALLACE — WELDED STEEL SCULPTURE, McLaughlin Library, continues on display.

**FRIDAY, AUGUST 28**

**Concert** ERICA GOODMAN, HARPIST AND HYMAN GOODMAN, VIOLINIST, will present a program of classical music in Room 105, Physical Science building at 9 p.m.  
**Meeting** DRAINAGE COMMITTEE meeting. Contact E. Brubaker, Engineering.

**SUNDAY, AUGUST 30**

**Films** INDIAN STUDENTS' ASSOCIATION presenting a series of films in War Memorial Hall beginning at 2 p.m.

**MONDAY, AUGUST 31**

**TV** SPOTLIGHT ON UNIVERSITY OF GUELPH. Cable 8 at 7:45 p.m.

**WEDNESDAY, SEPTEMBER 2**

**Meeting** CANADIAN ASSOCIATION OF UNIVERSITY DEVELOPMENT OFFICERS will meet on campus.

## Dairy Queen to visit campus

The Dairy Queen of England and Wales will visit the University of Guelph as part of her visit to Ontario as guest of the Ontario Dairy Industry and the Ontario Department of Agriculture and Food.



Julie Ann Greenleaf

Julie Ann Greeleaf will arrive in Toronto on August 30 and will participate in the finals of the Ontario Dairy Princess Competition at the Canadian National Exhibition, September 3, and the Canadian Dairy Princess Competition, on December 4.

She will visit the opening of the New York State Fair in Syracuse with Lorene Archdekin, the Ontario Dairy Princess, from where she will go to Niagara-on-the-Lake.

After visits to Niagara Falls and Buffalo, Miss Greenleaf will visit the University of Guelph, the Dairy Cattle Research Centre at Elora, and the United Breeders Unit. Visits to the Stratford Theatre and a barbeque at Brampton as well as

a sightseeing trip to Ottawa are also planned. Upper Canada Village and the Western Fair in London will complete the itinerary for the Queen.

Julie Ann Greenleaf, 23, is a milk analyst with the Colchester Co-operative Society. This was the second time that Miss Greenleaf has entered the Dairy Queen Competition. Five years ago she was selected Dairy Maid of Colchester and this year she became Dairy Maid of Hertford before going on to enter the final as Dairy Princess of London.

Fond of chemistry at school, Miss Greenleaf, who lives in the village of Rowhedge, outside the garrison town of Colchester, a Roman foundation, has always been a milk analyst. Her hobbies are boating, stockcar racing, and dancing.

## Long weekend

The University of Guelph will observe Labour Day on Monday, September 7, 1970.

The University will resume normal operations on Tuesday, September 8, 1970.

The holiday schedules for members of departments that must carry on a continuous operation will be announced by the supervisors concerned.

## APPOINTMENT

Arthur J. Montague, C.B.E., LL.D. has joined the Spanish Section of the Languages Department.

Until this year, Professor Montague was Controller of the Home Division of the British Council serving since 1939 in Columbia, Paraguay, Argentina, and Spain. During that time he broadcasted and published extensively in Spanish on literary themes, completing two books, both published in Madrid. His special interest is Spanish literature of the Golden Age, and the teaching of written and spoken Spanish.

Professor Montague served in Canada for five years as British Council Liason Officer in



Arthur Montague

Ottawa and for one year as Professor of Spanish at Brock University. He also spent eight years teaching English, Latin, and Greek at the secondary school level in Scotland.

Professor Montague received his Master of Arts degree in Classics from Glasgow University and in 1967 was honoured with the LL.D. degree from Brock University.

## Oops

Due to a breakdown in communication last week's News Bulletin incorrectly indicated that the Canadian and Ontario Entomological Societies would be meeting on campus this week. The meetings are being held in Winnipeg.

The News Bulletin is sorry for any inconvenience which may have occurred.

## PERSONALS

- Accommodation - Technician has house available to share with three other technicians near University. Ext. 2728, ask for Randy.
- For Rent - Four bedroom house, fully furnished. Available Sept. 1 for one year. 821-1864 anytime.
- For Rent - Three bedroom house. Sublet to May 1971. 821-4767.
- For Rent - Furnished room. Females. Kitchen facilities, parking, cable TV supplied. 821-1641.
- Wanted - Single apartment, near bus, for fall and winter semesters for female OVC student. 821-9453 after 5 p.m.
- For Rent - Three bedroom apartment, fire-place, sunporch. 821-4173.
- For Sale - House, three bedroom plus. Ext. 3481 or 821-0923.