



Dr. Donald McLean, the head of UBC's Department of Medical Microbiology, discusses the swine influenza threat

authorities acting responsibly

Public health authorities in the United States and Canada are acting responsibly in ordering a mass vaccination program designed to head off a threatened outbreak this fall of a virulent form of influenza.

That's the opinion of Dr. Donald M. McLean, the head of UBC's Division of Medical Microbiology. He says there's strong evidence to suggest that the next influenza virus to sweep across the country may be the same strain that killed nearly 1,000 persons in Vancouver in 1918-19.

There's no absolute proof that the new strain, now called swine influenza, is the same "Spanish flu" that killed an estimated 20 to 50 million world-wide in 1918-19, says Dr. McLean, because the technology to isolate the virus didn't exist at that time.

However, medical researchers believe that the virus that struck a military training camp in New Jersey in February, which resulted in the death of one soldier, is the same one.

Tests made on soldiers in the same platoon, and on the families of the infected soldiers, showed that these people had developed antibodies to swine influenza.

An antibody is a substance found in the blood of humans and animals after they have had an attack from an infectious disease. Basically, it's a protective device that neutralizes an infection if you have a future encounter with the same virus.

There's another interesting aspect of this phenomenon, which is known in scientific literature as "original antigenic sin."

The first flu virus you encounter in life apparently imprints itself indelibly on your antibody-producing apparatus. Thus, if you encounter it again in the future, your antibody response will be much higher against the first virus than against any virus you contract subsequently.

Dr. McLean said that some recent blood samples being run

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UBC REPORTS

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Bookstore director appointed

UBC has a new Bookstore director. He is John K. Hedgecock, 43, a 23-year veteran of the book trade who is currently manager of the bookstore at McMaster University in Hamilton, Ont. He joins UBC on July 1.

Mr. Hedgecock has been actively involved in professional organizations associated with the university book trade and will this month be installed as president of the National Association of College Stores, a North American organization for bookstore managers. He is the first Canadian to head the association.

Born in England, Mr. Hedgecock was associated with the British firms of W.H. Smith and Son Ltd., one of the world's largest booksellers, and Waterlow and Sons Ltd., a company within the British Printing Corp., before coming to Canada in 1965 as assistant manager of the McMaster University bookstore. He became manager of the McMaster store in 1969.

Mr. Hedgecock has also been closely associated with the Canadian Booksellers Association and served as that organization's general manager in 1967-68.

For the past six summers he has served on the faculty of the school of management run by the National Association of College Stores at Oberlin College in Ohio, and in 1971 undertook a lecture tour to a number of U.S. cities on behalf of NACS.

Mr. Hedgecock drew up for McMaster University a comprehensive long-term plan for the expansion and operation of its bookstore.

As part of this plan, a successful satellite health sciences bookstore was opened in 1974. He also established innovations in administrative procedures and marketing development at McMaster.

UBC shares in grant from Japan

Twenty students will be attending intensive courses in Japanese language this summer at UBC, free of charge, courtesy of the Japanese government.

These 20 full-tuition scholarships in Japanese are available as part of a \$1 million grant to the Association of Universities and Colleges of Canada from the Japanese government to promote Japanese studies in Canada. One quarter of this amount was allocated to UBC.

Canada has matched the grant with a \$1 million program to promote Canadian studies in Japan.

The income from the Japanese government grant, which amounts to about \$35,000 a year, will be used over the next five years to develop the Japanese studies program at UBC, probably the largest program in Canada, according to Prof. Peter Harnetty, head of Asian Studies.

Prof. Harnetty is chairman of the

president's committee which will administer the fund.

Besides the 20 scholarships for the nine-week intensive Japanese language program, the committee has allocated part of the grant to go toward bringing a distinguished professor of Japanese literature to the campus for one year. Money will also be available for fellowships for faculty and students engaged in research on Japan.

Faculty and students are invited to get in touch with Dr. Harnetty with suggestions for other ways of using the grant to promote Japanese studies.

Students interested in the summer Japanese language program are asked to contact Dr. Ken-Ichi Takashima, 228-5198, for more information. The program begins June 14 for elementary and intermediate level courses and continues until Aug. 13. Normal tuition is \$300.

\$2 million for study grants

The Canada Council and the National Research Council have made grants totalling nearly \$2 million to 269 students for post-graduate study at the University of B.C. or elsewhere in the coming year.

NRC awards worth approximately \$1.2 million have been made to 194 students who are currently working at UBC or who have indicated their intention of enrolling at UBC in September. Some students now at UBC will use the awards for study at other Canadian universities.

The values of the NRC awards range from \$5,500 for students working on advanced degrees to \$11,200 for 17 post-doctoral fellows.

The NRC awards are for students who represent 30 scientific areas, including animal science, biomedical engineering, chemistry, computer science, forestry, genetics, mathematics, oceanography, physics and zoology.

The Canada Council has made awards to 75 students who are currently at UBC or who plan to enrol in September.

The value of the awards, which support students undertaking advanced work in the humanities, ranges from \$5,500 to \$6,500.

The Canada Council awards have been made to students in 19 areas, including anthropology and sociology, classics, economics, fine arts, French, history, law, music, political science and psychology.

Residence rates raised

UBC's Board of Governors has approved increases in rentals and room-and-board rates for campus residences.

Michael Davis, acting director of UBC's housing department, said the rate increases for all types of campus housing were necessary to offset increasing operating costs.

The increasing age of most types of campus accommodation has made maintenance an increasingly important factor in the operational budget of residences, he said.

A program of preventive maintenance is being instituted involving the addition of a plumber and an electrician to the housing staff, Mr. Davis said.

Committee to review tenure

The staff committee of the Board of Governors will review tenure at UBC, as recommended by Senate.

A motion to this effect was carried by the Board April 6, with the staff committee requested to pay specific attention to the following aspects of tenure:

The criteria used in granting tenure;
The relative weights placed on these criteria;

The methods utilized in ascertaining performance; and

The extent to which the criteria are applied, consistent with the interests of the department and the University in maintaining strength and balance.

The staff committee was not asked to make recommendations on tenure, but just to report back to the Board on how the tenure agreement is being handled now.

No time limit was set for the review.

Members of the staff committee are Pat Chubb, Sadie Boyles, Rev. George Hermanson and Ben Trevino.

Effective May 1, room rates in single-student residences will increase by 16.5 per cent, and board rates will be increased by 11.4 per cent in the Totem Park and Place Vanier residences, where full room and board is provided.

The overall percentage increase in room-and-board rates is 14.1.

The increased rates will not apply to late-finishing students living in single-student residences until May 15.

The increased rates will apply to Summer Session students living in single-student residences.

Effective Sept. 1, monthly rents in the Acadia Park high-rise and townhouse units and in faculty accommodation on President's Row will be increased by 10.6 per cent.

A 5-per-cent increase in monthly rents has been approved for units in Acadia Park.

Here are the 1976-77 rates for single-student residences, based on a 223-day winter session (1975-76 rates in brackets):

Walter H. Gage Residence (room only) - \$787.18 (\$663.57) for single room in high-rise or shared low-rise suite.

Totem Park and Place Vanier residences - \$1,355.84 (\$1,167.27) for single room; \$1,302.32 (\$1,121.28) per person in double room; \$1,460.65 (\$1,254.87) for senior single room in Totem Park only.

Nitobe Garden

The Nitobe Memorial Garden will be open seven days a week beginning Friday, April 16, from 10 a.m. to just before sunset. Admission is free to UBC students, staff and faculty and senior citizens upon presentation of identification; 50 cents for other adults; and 10 cents for children aged 10 to 16.

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through the provincial health laboratory in Vancouver were tested for antibodies to the 1918 Spanish flu.

Samples taken from people over 55 were found to contain antibodies to the 1918 disease, which suggests that they either had the disease or were exposed to it more than a half century ago. Samples from persons under 40 had no Spanish flu antibodies because there has been no widespread occurrence of the disease since 1918.

Dr. McLean says swine influenza isn't likely to become widespread until late this year when conditions will exist for the easy spread of the disease.

"In the fall," he says, "people are huddled together in heated buildings and various methods of transportation and conditions are ideal for the transmission of the virus."

People in the 20-to-40 age group are the most vulnerable to any new outbreak of flu, says Dr. McLean, largely because they neglect to take the precautions that would enable them to avoid infection.

"Only about 50 per cent of the people in this age group will go to the trouble of having themselves vaccinated," he says.

And inoculation won't guarantee that you won't contract the disease. The efficacy rate of flu vaccine is in the 65-to-70-per-cent range.

Simple logistics is the biggest barrier to producing enough vaccine for everyone, Dr. McLean says. The vaccine is produced in fertile hen's eggs, and each egg will yield 5 to 10 doses.

"The farmer has to be persuaded to keep producing fertile eggs and to virtually quarantine his flock to ensure that the eggs are disease-free," he says.

As a result, there's little likelihood that government and private pharmaceutical laboratories will be able to produce enough vaccine to inoculate everyone.

So, if you do feel the flu coming on next fall, take Dr. McLean's advice — go to bed, drink plenty of liquids ... you know the rest.

* * *

UBC officials are unable to say exactly how much vaccine will be available this fall on the campus to combat the threatened outbreak of swine influenza.

Dr. Archie Johnson, director of the University Health Service, said that, provided they can obtain adequate supplies of the vaccine, provincial health authorities would make it available through his unit for the inoculation of students.

Dr. Johnson emphasized that the vaccine will not be available until the fall and no supplies are on hand now.



UBC's 1918 Assembly Hall served as emergency ward for flu victims

1918 flu disrupted UBC

The Spanish influenza epidemic of 1918 severely disrupted the operations of the fledgling University of B.C., which in those days was housed in a collection of buildings in the shadow of the Vancouver General Hospital in the Fairview district.

Vancouver's first recorded flu case was reported on Oct. 5, 1918. Within nine days a total of 217 cases had been reported and seven persons had died.

The Oct. 14 edition of *The Province* recorded that local hospitals were so overcrowded that the UBC assembly hall "has been taken over by the General Hospital staff and 100 beds have been installed there for the reception of Spanish flu cases."

Three days later, the president of the Alma Mater Society wrote to UBC's Board of Governors to report that 400 students had met and passed a motion asking that the University "be closed until such time as the medical authorities have the epidemic under control."

On Oct. 19, *The Province* reported that "all the students have been laboring under difficulties, especially the Arts' men who have been deprived of their Common room and Locker room. Lectures are being held in every available corner, even the auditorium of the Central Baptist church having been requisitioned as a lecture room."

Another report the same day recorded that "the dignity of the Students' Council is being sternly tested. The meetings of that body are now being held in the corridor among the furniture of the council room and the dishes of the kitchen."

The next day, Oct. 20, the University closed for five weeks and when it reopened a Vancouver newspaper reported on Nov. 30 that "the excellent work done by students as volunteers in the influenza hospitals did much to make the University

better known to the public, and to bring about a more sympathetic understanding between both to their mutual advantage."

Oct. 20, 1918, was an important date in UBC's early history for another reason. At 4 p.m. that day, UBC's first president, Dr. Frank F. Wesbrook, died at the age of 50. He had been ill for some months and his death was not the result of flu.

A simple funeral was held on the grounds of President Wesbrook's home because health authorities had forbidden public gatherings.

The five-week closure so disrupted classes that the University postponed Christmas exams until February of 1919. Final exams were also set ahead two weeks and Congregation did not take place that year until May 19.

Despite the flu epidemic, which took the lives of three UBC students, the academic and social life of UBC seems to have continued with little disruption.

The newspaper reports quoted above go on to record that the executive of the Players' Club had been installed, that the first meeting of the Women's Literary Society had been held to hear a lecture on modern English poetry by Prof. Garnett Sedgewick, that the first edition of *The Ulysses* had made its appearance on Oct. 18, and that preparations had been made for athletic activities to be carried on on a larger scale than in the past.

UBC
REPORTS

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THIS WEEK AND NEXT

Notices must reach Information Services, Main Mall North Admin. Bldg., by mail, by 5 p.m. Thursday of week preceding publication of notice.

UBC Reports will not appear next Wednesday, April 21.

Over the Easter period Information Services, which produces *UBC Reports*, will be moving to the second floor of the old administration building from its present location in the basement of that building. The telephone number for Information Services will remain the same, 228-3131.

Because there will be no edition next week, "This Week and Next" includes notices of events to be held during the next two weeks, up to and including Thursday, April 29, at 12:30 p.m.

THURSDAY, APRIL 15

- 9:00 a.m. **PSYCHIATRY CONFERENCE.** Panel discussion on *Traditional Healing Practices Among North American Indians.* Lecture theatre, Health Sciences Centre Hospital.
- 3:30 p.m. **COMPUTER SCIENCE COLLOQUIUM.** Dr. Alan Shaw, University of Washington, on *Concatenating Transformations in Hierarchic Graphics.* Room 426, Angus Building
- 4:30 p.m. **PHYSIOLOGY SEMINAR.** Dr. Brian Bush, Neurobiology Laboratory, University of Bristol, England, on *Crab Coxal Muscle Receptors.* Room 2321, Biological Sciences Building.
- 8:00 p.m. **CONTINUING EDUCATION LECTURE.** Dr. J.A.S. Evans, Classics, UBC, on *Travellers' Introduction to Ancient Sicily and Southern Italy: The Classical Sites of Sicily.* Room 219, Buchanan Building. Admission \$3. For information, call 228-2181.
- 9:30 p.m. **BEYOND THE MEMORY OF MAN.** Round table discussion on *Aspects of the Twelfth Century.* Channel 10, Vancouver Cablevision.

MONDAY, APRIL 19

- 3:30 p.m. **MANAGEMENT SCIENCE SEMINAR.** Dr. Paul Randolph, Federal Energy Administration, Washington, D.C., on *Project Independence Energy Model.* Room 419, Angus Building.

TUESDAY, APRIL 20

- 4:00 p.m. **BIOCHEMISTRY SEMINAR.** Dr. P.R. Flanagan, The Hospital for Sick Children, Toronto, on *The Substructure of Maltase, a Large Intestinal Membrane Glycoprotein.* Lecture Hall 1, Woodward Instructional Resources Centre.
- 7:30 p.m. **ALUMNI ASSOCIATION ANNUAL BANQUET.** Barbara Ward Lady Jackson, economist and author, on *Human Settlements: Crisis and Opportunity.* Ballroom, Bayshore Inn. Call 228-3313 for tickets.
- 8:00 p.m. **HUMAN NUTRITION LECTURE.** Dr. Harold H. Sandstead, director, Human Nutrition Laboratory, U.S. Department of Agriculture North Dakota, on *Zinc in Human Nutrition and Health.* Lecture Hall 2, Woodward Instructional Resources Centre.

WEDNESDAY, APRIL 21

- 9:30 a.m. **DISPLAY** of Architecture students' graduation projects in Room 202, Lasserre Building, continues until 5 p.m.
- 4:00 p.m. **APPLIED MATH AND STATISTICS COLLOQUIUM.** Prof. Nancy Kopell, Northeastern University, Boston, Mass., on *Bifurcations and Trajectories Joining Critical Points.* Room 1100, Mathematics Annex.
- 8:00 p.m. **SENATE MEETING.** Tickets are available by calling Mrs. Frances Medley, 228-2951. Board and Senate Room, old administration building.

THURSDAY, APRIL 22

- 9:00 a.m. **PSYCHIATRY CONFERENCE.** Dr. Melvin Sabshin, medical director, American Psychiatric Association, Washington, D.C., will speak. Lecture theatre, Health Sciences Centre Hospital.
- 9:30 a.m. **DISPLAY** of Architecture students' graduation projects in Room 202, Lasserre Building, continues until 5 p.m.

FRIDAY, APRIL 23

- 9:00 a.m. **PAEDIATRICS GRAND ROUND.** Dr. David Smith, Paediatrics, UBC, on *The Foetal-Alcohol Syndrome.* Lecture Room B, Heather Pavilion, Vancouver General Hospital.
- 9:30 a.m. **DISPLAY** of Architecture students' graduation projects in Room 202, Lasserre Building, continues until 5 p.m.
- 4:00 p.m. **BIOCHEMISTRY SEMINAR.** Dr. John Glomset, Biochemistry and Medicine, University of Washington, Seattle, on *Recent Studies Related to Cholesterol Metabolism and Transport.* Lecture Hall 3, Woodward Instructional Resources Centre.

MONDAY, APRIL 26

- 12:30 p.m. **CANCER RESEARCH CENTRE SEMINAR.** Dr. Charles Stonecker, Anatomy, UBC, on *Lymphocytic Subpopulations in Normal and Protein Deficient Rats.* Library, Block B, Medical Sciences Building.
- 4:30 p.m. **CANCER CONTROL AGENCY SEMINAR.** Dr. G.M. Crawford on *Triple Biopsy for Breast Cancer: Rationale and Results.* Cancer Control Agency of B.C., 2656 Heather St.

TUESDAY, APRIL 27

- 2:30 p.m. **CHEMISTRY SEMINAR.** Prof. Eugene B. Dowdle, Clinical Science and Immunology, University of Cape Town, South Africa, on *The Arrow Poison of the Kung Bushmen.* Room 225, Chemistry Building.
- 4:30 p.m. **CARDIOVASCULAR LECTURE.** Dr. Franco Lioy, Physiology, UBC, on *Spinal Cardiovascular Reflexes and Their Supraspinal Control.* Anatomy Lecture Room, Block B, Medical Sciences Building.
- 7:30 p.m. **SOCIAL WORK COLLOQUIUM** on *Prelude to Habitat: An Opportunity to Influence the Future of Human Settlements.* Lecture Hall A, School of Social Work.

THURSDAY, APRIL 29

- 9:00 a.m. **PSYCHIATRY CONFERENCE.** Dr. E. Pakes discusses *Family Milieu Therapy.* Lecture theatre, Health Sciences Centre Hospital.

miscellany

If you want to eat or study on campus this weekend, beware of the following changes in hours of service for Easter:

LIBRARIES: Libraries will be closed Friday, April 16, and Monday, April 19, except for — **Sedgewick**, open from 2 to 10 p.m. both days; **Woodward**, open from 9 a.m. to 5 p.m. both days; and **Law**, open from 9 a.m. to 11 p.m. both days. All libraries will be open normal hours on

Saturday, April 17, and Sunday, April 18.

FOOD SERVICES: All campus food outlets except the SUB Snack Bar will be closed for the entire Easter weekend. Hours for the Snack Bar are: Friday, April 16: 9 a.m. to 7 p.m.; Saturday, April 17: 9 a.m. to 4:30 p.m.; Sunday, April 18: 11 a.m. to 6:30 p.m.; Monday April 19: 9 a.m. to 7 p.m.

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Barbara Ward Lady Jackson, British economist and author, will take part in

an informal question-and-answer discussion session with UBC students on Tuesday, April 20.

The session with Lady Jackson, one of the principal speakers in the Habitat-related Distinguished Lecturer Series, will be held in Room 104 of the Buchanan Building, starting at 10:30 a.m.

Lady Jackson will be the guest speaker Tuesday night at the UBC Alumni Association annual banquet at the Bayshore.