

Pres. Kenny addresses national unity issue

UBC's president, Dr. Douglas Kenny, has called on British Columbians to realize that "we are truly involved" in the issue of national unity and urged that we formulate "our own positive idea of the Canadian future."

Speaking at a meeting of the Vancouver Rotary Club on Tuesday (Oct. 11), President Kenny said it concerned him greatly that "Western Canada's viewpoint on our country's future is not being expressed as loudly and as clearly as I would like."

Canada, the president said, must not delude itself that the issue is one of economics. "Canada is about the cultural issue."

Quebec, he continued, "could survive as a separate state. Nobody is going to frighten the separatists with the spectre of economic disaster. The economic issues may be a snare and a delusion. Accommodation is attainable much more easily economically in Canada than culturally."

Posing the question, "What are the common cultural matters that hold Canada together?", President Kenny said he believed that the federal presence in cultural affairs has helped to hold the country together.

He advocated more federal presence on cultural fronts because "there is more than a subtle benefit to be

gained from cultural activities that by their very nature force people in different areas to be interested in the same thing. That's what national identity is, in part."

President Kenny said Canada's recent dramatic advance in cultural activity — plays, concerts, the ballet, music, literature — was attributable largely to the federal presence.

"I'm fearful," he continued, "that Ottawa will capitulate on cultural issues. If this happens, then it may well be the biggest single blow to Confederation."

President Kenny said he remained optimistic about Canadian unity, because "we seem to be able to face our problems with more discontent than despondency, more concern than anger, more apprehension than panic."

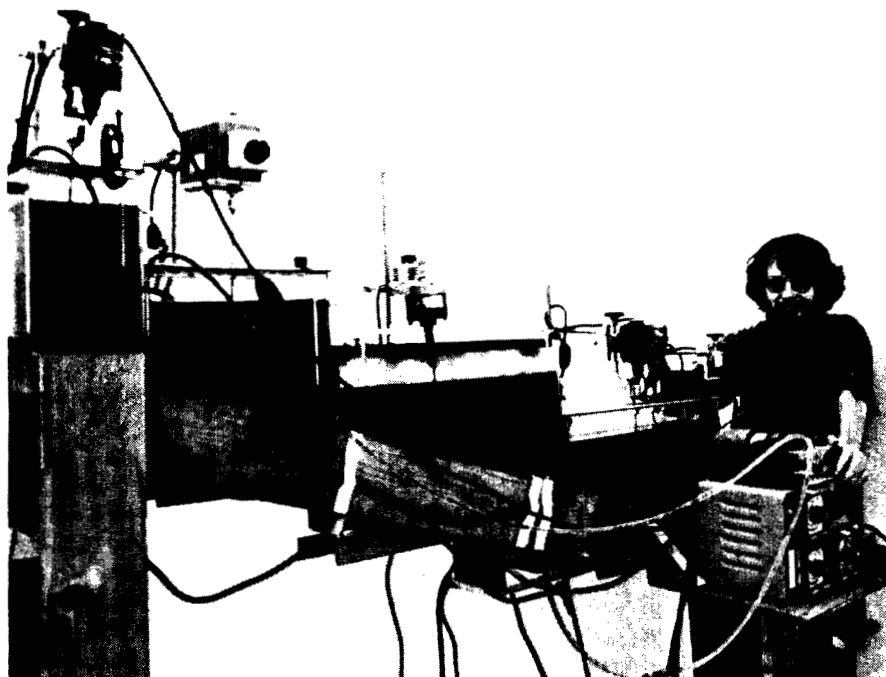
He said that Canadians have placed a premium on the bargaining skills of their political leaders. "One of Mackenzie King's firm beliefs was that the leaders of Canada had to be conciliators. Hopefully, our citizens, as well as our political leaders, will be conciliators on this issue."

Finally, the president said, "I believe that Canadians have faith in the tomorrow of their nation."

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Vol. 23, No. 12, Oct. 12, 1977. Published by Information Services, University of B.C., 2075 Wesbrook Mall, Vancouver, B.C. V6T 1W5. ISSN 0497-2929. J. A. Banham and Judith Walker, editors.



This odd-looking apparatus is no Rube Goldberg device; it's a model of a totally biological method of processing raw sewage which is undergoing tests in UBC's Department of Civil Engineering under the watchful eye of graduate student Harvey Dew, above, and Prof. William Oldham. The process, known as the Bardenpho method, eliminates nitrogen and phosphorus, which encourage the growth of algae, by controlling bacteria that are naturally present in raw waste water. The method is now in use in South Africa and is being tested here to determine whether it will function efficiently at low temperatures. Prof. Oldham thinks the method might be effective in controlling algae growth in the Okanagan lakes in B.C.'s interior. Picture by Jim Banham.

UBC number one again and again

For the fifth year in a row UBC has emerged number one in a national survey of the percentage allocation of funds for academic purposes in 23 Canadian universities with enrolments of 6,000 or more.

The survey, conducted annually by the Canadian Association of University Business Officers, shows that in the fiscal year ending in 1976, UBC allocated 85.2 per cent of its budget for academic and associated academic purposes.

Associated academic purposes includes the UBC library system, computing services and student services.

The same survey shows that UBC ranked lowest of the 23 universities in the percentage of funds allocated for administration, plant maintenance and general expenditures.

UBC allocated 14.8 per cent of its budget in these areas, made up of 4 per cent for administration and general expenditures and 10.8 per cent for physical plant maintenance.

Cultural differences important

Continued from p. 1

Earlier in his speech, the president said that what is good about Canada does not lie in its standard of living, its geographical vastness or its material wealth. "The cause or greatness of our nation is not to be found in its real estate."

Canadians, he said, "shall be remembered by the ideas and values we hold, for ideas and values are the important determiners of all societies. They lie at the root of what any nation decides to do at a given moment in time, and they are the measures of what is good about a society. The greatness of Canada lies in its ability to live by the standards, ideas and values on which the nation was founded."

In part, he continued, Canada's birth was based on the rejection of the American Revolution and of America's manifest destiny, whereas "Canadians wished to remember their past and preserve it."

This is why, he said, "Quebec has such a strong determination to retain its French culture.

"It was an article of faith to our founding fathers that the francophone Quebecois would have a secure community, with their own language, religion, culture and history. Similarly, English-Canadians were determined to remember their past and to preserve it. How else can one account for the strong emotions shown over the re-

moval of the Union Jack from our national flag?"

Illogical as it may seem to us or to outsiders, the president said, "Canadian unity is predicated on the maintenance of the cultural differences within the two solitudes."

On many points, President Kenny said, Canadians can feel that their country has obtained greatness.

The record shows, he said, that Canadians are benevolent to others, especially to the less fortunate regions of the country.

"Citizens in richer regions are prepared to be taxed because of the humanitarian conviction that all Canadians are entitled to decent standards of education, health and welfare. Provincial disparities in educational attainment, health care and social welfare are rapidly narrowing."

Canadians can also feel they have obtained greatness, the president said, because we have an independent judiciary and strong beliefs in freedom of ideas, which has led to a free press, and freedom of choice, with open-ended opportunities for upward social mobility.

Finally, he said, Canadians can feel they have achieved greatness because "Canadians are trusted and respected by other countries because of our dedication to peace and our willingness to share our bounty with others."

Senate and Board of Governors make plans for new faces

UBC's Senate will set dates when it meets tonight for elections that will result in a reconstituted Board of Governors and Senate in 1978.

The terms of office of 14 of the 15 members of the Board of Governors expire at the end of January. Campus constituencies will go to the polls to elect two members of the faculty, two students and one member of the employed staff to the Board.

The term of office of UBC's chancellor, Donovan Miller, who sits on both the Board and the Senate, also expires at the end of January. The chancellor is elected by Convocation, made up of the graduates of the University.

The terms of office of eight Board members appointed by the Lieutenant-Governor in Council (the provincial cabinet) also expire at the end of January.

President Douglas Kenny will continue as an ex officio member of

the new Board when it holds its first meeting in February.

A total of 70 positions on the 84-member Senate, UBC's academic parliament chaired by President Kenny, will be filled through elections by faculty members, students and Convocation. The terms of office of four senators appointed by the Lieutenant-Governor in Council also expire at the end of March.

The reconstituted Senate will hold its first meeting in April.

Meanwhile, UBC faculty members have elected Prof. Charles McDowell, head of the Department of Chemistry, to serve on the Board for the balance of the term of Prof. William Webber, who resigned following his appointment as dean of the Faculty of Medicine on July 1.

The other faculty member currently serving on the Board is Prof. Gideon Rosenbluth of the Department of Economics.

The United Way



more than money

Last year, UBC people gave \$65,000 to the United Way campaign, about 1.3 per cent of the total campaign contributions. About 10 per cent of all UBC faculty and staff pledged money to the United Way through the UBC campaign.

Those are pretty cold figures though, and don't reflect all that UBC really contributed to the campaign to raise money for helping agencies in the Lower Mainland.

Endless hours of typing, printing labels, stuffing, labelling and mailing pledge cards to all faculty and staff on campus, sorting the return cards, sending pledges through the campus mail, payroll alterations.

This is a yearly thing at UBC. Norman Housden, the man from Finance who has co-ordinated the UBC United Way drive for the last four years, must have it down to a science by now. "We got the last of the pledge cards out in campus mail this morning," he told *UBC Reports* last week, "and we'll be seeing the first of the returns soon." By the end of the second day of last year's campaign, \$28,000 had been pledged.

The finance department absorbs the cost of the envelopes and paper spent trying to encourage UBC people to help the United Way. Also the cost, in terms of time, of assigning five people to the task of getting the pledge cards out to 5,200 faculty and staff. UBC is probably the largest single donor to the Lower Mainland United Way campaign.

The deadline date for payroll deduction pledges is Nov. 1.

UBC people make

UBC is not only involved in the United Way at money-raising time.

UBC people are scattered throughout the various advisory committees which are associated with the United Way. This year's president of the United Way of Greater Vancouver is UBC law professor Dr. D. J. MacDougall. Dr. Bryan Clarke, a professor in Special Education, is a member of the Board of Directors. Prof. William Nicholls in Social Work is an ex officio member of the Board of

Research funding—more bad news than good

First, the good news.

UBC got more money for research last year. Awards were up 6.4 per cent over the previous year for a record total of \$17,074,743.

And now for the bad news.

Inflation continued to take a serious toll on the available money. Merely to bring UBC's 1976-77 research funds up to the level of grants made in 1970-71 would have required an additional \$3,022,966.

These were the major points contained in a report on 1976-77 research funding made to UBC's Board of Governors last week by research administrator Dr. Richard Spratley.

As part of his report, Dr. Spratley included a table that showed how research dollars have been eroded over the seven years from 1970-71 to 1976-77.

The table showed that the \$17,074,743 research-grant total in

1976-77 was worth only \$10,163,537 in terms of 1970-71 dollars. Calculations were made using the implicit price index for gross national expenditure.

Dr. Spratley also reported that changes in federal-government funding policies has resulted in the emergence of a new pattern of support for research.

"While grants from the granting councils are up slightly," he said, "those from other federal departments and agencies are down, apparently reflecting a conviction that university research support should be centralized in the councils.

"This has had the effect of gradually decreasing funding of applied-research by the mission-oriented (federal) agencies."

Despite this, Dr. Spratley said, there appears to be an overall trend toward applied research at the expense of basic research. "This trend will be accelerated by a recent National Research Council decision to reserve a significant part of its budget increase for the support of projects in areas of defined national priority."

Support of UBC by provincial government ministries continues at very low levels, Dr. Spratley said. "However, the creation of a research secretariat within the provincial government at least opens the way to a more rational approach to the provincial responsibility for research."

The report also notes that support from Canadian foundations increased in 1976-77 "and has alleviated at least part of the serious problem in the funding of medical research."

He described increased support by Canadian and U.S. companies as "gratifying" and adds: "Hopefully this trend will continue as UBC researchers continue to increase their interaction with industry."

The federal government continues to be the largest contributor to UBC research. Funds received from this source totalled \$11,637,589 in 1976-77, making up 68.1 per cent of total research funds.

Canadian companies and foundations were the next largest contributors, contributing 17.7 per cent of the total.

UBC faculties that spent more than \$1 million on research in 1976-77 were Science - \$5,208,523; Medicine - \$4,785,932; Applied Science - \$2,064,919; Arts - \$1,214,674; Graduate Studies - \$1,204,253; and Agricultural Sciences - \$1,034,944.

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Three members of UBC's Faculty of Agricultural Sciences honored recently by professional groups are, left to right: Prof. L. M. Staley, first winner of the Maple Leaf Award of the Canadian Society of Agricultural Engineers "in recognition of outstanding personal qualities, professional abilities and achievements in advancing the goals of the society and the profession of agricultural engineering"; Prof. Beryl March, who was named a fellow of the international Poultry Science Association; and Dr. J. F. Richards, winner of the Institute Award of the Canadian Institute of Food Science and Technology, for an outstanding contribution to that organization.

the United Way a year-round thing

Directors and has served on many of the United Way committees.

Several UBC people are members of the Social Planning and Review Committee which has made major recommendations to Human Resources Minister Bill Vander Zalm. Among the members are Dr. Richard Splane, Social Work; Dr. Chris McNiven, Social Work; Dr. Henry Hightower, Community and Regional Planning; and Dr. MacDougall.

A former member of SPARC is Mary Hill of UBC's School of Social

Work, who is now working with the Pre-Retirement Planning Committee along with Dr. Vance Mitchell of Commerce and Business Administration.

Drs. McNiven and Hightower are also part of the task force on family violence. Dr. Larry Shulman, Social Work, works with Groups for Batterers, a sub-committee of that task force, and UBC pediatrics professor Dr. Syd Segal is involved with the Child Abuse Working Group.

NEXT WEEK AT UBC

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

VANCOUVER INSTITUTE

Saturday, Oct. 15

Norman Hacking, author and journalist, speaks on **The Romance of Vancouver Harbor**.

Saturday, Oct. 22

Leslie Bewley, senior trial judge, County of Vancouver, speaks on **Parole, Public Safety and the Administration of Justice**.

Lectures are at 8:15 p.m. in Lecture Hall 2, Woodward Instructional Resources Centre.

SUNDAY, OCT. 16

3:00 p.m. **MUSEUM OF ANTHROPOLOGY**. Judith Gould presents **An Introduction to Cloissone**. 6393 N.W. Marine Dr.

MONDAY, OCT. 17

12:30 p.m. **CANCER RESEARCH SEMINAR**. Don McRae, Cancer Research Centre, UBC, on **The Induction of Sister Chromatid Exchanges by Mutagenic Agents**. Library, Medical Sciences Building Block B.

3:30 p.m. **MANAGEMENT SCIENCE SEMINAR**. Prof. C. Clark, Mathematics, UBC, on **The International Whaling Industry in the 20th Century**. Room 312, Angus Building.

3:45 p.m. **MECHANICAL ENGINEERING SEMINAR**. D. Marriner, Mechanical Engineering graduate student, on **Acoustic Radiation from Struts in Flows**. Room 1215, Civil and Mechanical Engineering Building.

4:00 p.m. **BIOCHEMICAL DISCUSSION GROUP**. David Cribbs, Biochemistry, UBC, on **Viroids**. Lecture Hall 3, Woodward Instructional Resources Centre.

4:30 p.m. **ZOOLOGY SEMINAR**. Dr. Karl M. Wilbur, Zoology, Duke University, North Carolina, on **Cells, Crystals and Skeletons**. Room 2000, Biological Sciences Building.

TUESDAY, OCT. 18

12:30 p.m. **BOTANY SEMINAR**. Emanuel Epstein, Land, Air and Water Resources, University of California at Davis, on **Toward Seawater-Based Crop Production**. Room 3219, Biological Sciences.

1:30 p.m. **ELECTRICAL ENGINEERING SEMINAR**. Dr. C. W. Clark, Mathematics, UBC, on **Some Mathematical Models in Renewable Resource Management**. Room 402, MacLeod Building.

3:30 p.m. **OCEANOGRAPHY SEMINAR**. Bill Cave, Institute of Oceanography, UBC, on **Biological Availability of Metals in the Juan de Fuca Strait**. Room 1465, Biological Sciences Building.

ENGLISH COLLOQUIUM. Dr. Errol Durbach, English, UBC, on **Brother-Sister Incest: Sexuality in Byron, Emily Bronte and Ibsen**. Penthouse, Buchanan Building.

4:30 p.m. **CHEMISTRY SEMINAR**. Prof. J. Halpern, Chemistry, University of Chicago, on **Free Radical Mechanisms in Organometallic Chemistry**. Room 250, Chemistry Building.

7:30 p.m. **MUSEUM OF ANTHROPOLOGY**. Elisabeth Kardos presents a slide/lecture on **Chinese Snuff Bottles** in conjunction with an exhibit at the museum. 6393 N.W. Marine Dr.

9:00 p.m. **UBC PUBLIC AFFAIRS**. Host Gerald Savory, UBC Centre for Continuing Education, discusses **The Canadian Unity Question: The Ontario Perspective** with Dr. Charles Humphries, History, UBC. Channel 10, Vancouver Cablevision.

WEDNESDAY, OCT. 19

12 noon **PHARMACOLOGY SEMINAR**. Dr. Rudolf Vrba, Medicine, UBC, on **Glucose, Plasma Proteins and Cancer**. Room 114, Block C, Medical Sciences.

12:30 p.m. **NOON-HOUR CONCERT**. Dale Reubart, piano; John Loban, violin; and Jack Mendelsohn, cello, play **Music of Beethoven and Schumann**. Recital Hall, Music Building.

12:35 p.m. **FREESEE FILM SERIES** presents *A Personal History of the United States* with Alistair Cooke. Third in this series is **Making a Revolution**. Auditorium, Student Union Building. Free.

1:30 p.m.

COMPUTING CENTRE SEMINAR. John Coulthard, Computing Centre, UBC, discusses the **Use of Magnetic Tape**. Room 107, Computer Sciences Building.

3:30 p.m.

STATISTICS WORKSHOP. Dr. V. Farewell, Fred Hutchinson Cancer Research Center, Seattle, Wash., on **The Estimation of Breast Cancer Risk: An Exercise in Applied Statistics**. Room 412, Angus Building.

4:30 p.m.

COMPARATIVE LITERATURE LECTURE. Christopher Turner, Slavonic Studies, UBC, on **Tolstoy's *The Cossacks*: The Question of Genre**. Penthouse, Buchanan Building.

ANIMAL RESOURCE ECOLOGY SEMINAR. Dr. Julius Kane, Animal Resource Ecology, UBC, on **The Psycho-Dynamics of Ecology**. Room 2449, Biological Sciences Building.

CHEMICAL ENGINEERING SEMINAR. Dr. R.M.R. Branon, Chemical Engineering, UBC, on **Filtration as Applied to Paper Machines**. Room 206, Chemical Engineering Building.

THURSDAY, OCT. 20

9:00 a.m.

MEDICAL GRAND ROUNDS. Dr. Martin M. Hoffman, Medicine, McGill University, Montreal, on **Hypothyroidism, Special Clinical Aspects**. Lecture Hall B, Vancouver General Hospital.

12:30 p.m.

GREEN VISITING PROFESSOR. Sir Derek Barton, Chemistry, University of London, on **Creative Thought in Chemistry**. Hebb Theatre.

PHARMACOLOGY SEMINAR. Dr. Dan Landman, Pharmaceutical Sciences, UBC, on **Activation of Acetyl-CoA Carboxylase**. Room 365, Cunningham.

CAREER COUNSELLING WORKSHOPS. Maryke G. Gilmore, Dean of Women's Office, will be available for counselling until 2:15 p.m. in the Penthouse, Buchanan Building.

3:30 p.m.

APPLIED SCIENCE SEMINAR. Dr. Mabo R. Ito and Dr. Peter Lawrence, Electrical Engineering, UBC, on **Introduction to Microcomputers**. Room 1202, Civil and Mechanical Engineering Building.

3:45 p.m.

APPLIED MATH AND STATISTICS COLLOQUIUM. Prof. L. A. Mysak, Mathematics and Oceanography, UBC, on **The Variability of Eastern Boundary Currents: Baroclinic Instability or Resonant Interactions?** Room 2449, Biological Sciences Building.

4:00 p.m.

PHYSICS COLLOQUIUM. J. G. Daunt, Physics, Queens University, Kingston, on **Absorbed Films of ³He and ⁴He at Low Temperatures**. Room 201, Hennings Building.

7:30 p.m.

BIOMEMBRANES GROUP WORKSHOP on **Techniques of Membrane Study**. Main Floor Reading Room, Pharmaceutical Sciences Building.

8:00 p.m.

UBC CHAMBER PLAYERS present **Chamber Music of the Bach Family**. Recital Hall, Music Building.

FRIDAY, OCT. 21

9:00 a.m.

PEDIATRICS GRAND ROUNDS. Dr. Gene Perrin, Children's Hospital, Michigan, and Wayne State University, Detroit, on **Current Concepts in Perinatal Pathology**. Lecture Hall B, VGH.

11:30 a.m.

MEDICAL MICROBIOLOGY LECTURE. Dr. R. W. Lacey, King's Lynn General Hospital, Norfolk, England, on **The Significance of Penicillinase Production on Antistaphylococcal Chemotherapy**. Lecture Hall 1, Woodward Instructional Resources Centre.

3:30 p.m.

CHEMISTRY SEMINAR. Prof. D. Seebach, Eidgenossische Technische Hochschule, Zurich, Switzerland, on **Synthesis of Optically Active Compounds**. Room 124, Chemistry Building.

COMPUTER SCIENCE COLLOQUIUM. Dr. Ian Barrodale, Mathematics, University of Victoria, on **Best Approximation of Complex-Valued Data**. Room 301, Computer Sciences Building.

SATURDAY, OCT. 22

2:00 p.m.

FOOTBALL. UBC Thunderbirds vs University of Saskatchewan. Thunderbird Stadium.