

UBC plans statement of priorities

The University of B.C. plans to prepare and publish a statement of objectives and priorities that will guide the University's academic development in the foreseeable future.

The deans of UBC's 12 faculties have been asked to prepare realistic statements with obtainable objectives for the pursuit of excellence in

teaching, research and other academic objectives.

President Douglas Kenny said the request to the deans was part of an on-going process of academic planning that began when he took office in July, 1975.

The latest request, he said, should be seen as an extension of a discussion paper prepared earlier this year at the

request of the Board of Governors that dealt with the priorities and objectives of the University in a situation of virtually stable overall enrolment.

He said that in the discussion paper prepared for the Board, the prime objectives of the University were described as the provision of quality education for students, maintenance of strength in areas of concern to the province and the nation, the encouragement of excellence within the faculty, and direct service to B.C. and Canada.

"The statements requested of the deans," President Kenny said, "stem directly from the discussion paper and will serve as the basis for planning academic development at UBC and setting realistic objectives in the light of enrolment patterns and the present economic climate in Canada."

Deans have been asked for a statement of broad and specific objectives and priorities, with consideration being given to financial resources, the basic components of a university in terms of essential departments and faculties, the minimum size required for viability of a department or faculty, and long-term enrolment patterns.

Also requested are concise statements on objectives in undergraduate, graduate and continuing and professional-education teaching; pure and applied research; and other academic activities, including creative and professional work.

In drawing up statements of objectives, faculty heads have been requested to give consideration to stated or perceived provincial, national and international concerns and priorities, and the effect of UBC faculty priorities on programs given at other public universities and community colleges in B.C.

Deans have been asked to state priority areas and disciplines and what program developments are required in the stated areas. Statements are requested on the need for development of joint programs with other faculties, the effect such programs will have on enrolments and the resources needed for implementation.

The document also requests justification for graduate and undergraduate teaching and research programs, with particular reference to low-enrolment areas.

Deans have been asked to submit their statements to Dr. Michael Shaw, UBC's vice-president for University development, by Jan. 23.

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—Jim Banham photo

Recently erected display showing key figures and events in UBC's early history attracts Jagtar Saroya, left, third-year mechanical engineering, and Rob Rithaler, fourth-year science. Display is located on Main Mall.

Biochemist wins Biely prize

Outstanding work on DNA research has won Dr. Michael Smith the 1977 Professor Jacob Biely Faculty Research Prize.

Prof. Smith of UBC's Department of Biochemistry did post-doctoral work with Nobel Prize winner Gobind Khorana. Dr. Khorana, who began his biochemical research that led to his prize while at B.C. Research at UBC, has described Prof. Smith's recent work as breakthroughs.

Prof. Smith has discovered a simple method of building short chains of DNA, the fundamental genetic building block of life. A chain of DNA

consists of a spiraling ladder of molecules. Each "rung" or base group of the ladder can be formed from four different groups of molecules.

Using an enzyme in his biochemical manipulations, Prof. Smith can build a sequence of molecules into a chain of DNA for a specific gene. His method is simpler than other methods now available and so can be used by a greater number of biochemists and biologists.

While on sabbatical at Cambridge University in England last year, Prof. Smith contributed to work that is described as a milestone of modern

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Senate

Commerce to be tougher

New regulations for the advancement of students in the Faculty of Commerce and Business Administration were approved by UBC's Senate on Nov. 16.

The new regulations will apply only to those students registering in the faculty for the first time in September, 1978. Students currently enrolled in the faculty are exempt.

Under the new regulations, commerce students carrying a normal course load will be classified as having failed the year if they pass all courses but achieve an average below 55 per cent, or if they do not pass all courses and achieve an average below 60 per cent in the courses passed.

A third regulation provides that a student who fails in 6 units or more (the regulation now reads "more than 6 units") of a required year's work will be considered a failure on the year and will not receive credit for courses passed in that year. Students transferring from other faculties will not be given credit for courses passed in a failed year.

Admission regulations firm

Senate's admissions committee has reaffirmed its position on the timing of new UBC entrance regulations that were approved in September.

Committee chairman Prof. Cyril Finnegan told Senate at its November meeting that the timing of the new regulations had been reconsidered twice since September, the second time in response to numerous letters received by the University from school boards and teachers' associations.

Prof. Finnegan said the committee had reconsidered the timing for the implementation of each of the new regulations and had unanimously agreed to reaffirm its original recommendations.

The first of the new regulations applies to students entering UBC in September, 1978, from grade 12. Calculation of their standing for entry will be made on the basis of their 10 best relevant subjects.

Prof. Finnegan told Senate this regulation "will probably help a number of students," since the only change from the existing regulation will be to reduce from 12 to 10 the number of courses on which the entry calculations will be made.

The problem, Prof. Finnegan said, seems to revolve around what is meant

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by the word "relevant." He said counsellors in the school system have no trouble understanding the meaning of the term because the Registrar's Office and the Office of Student Services see to it that counsellors are well supplied with documents concerning admission to those faculties that accept students from grade 12 — Agricultural Sciences, Arts, Education, Science, and the nursing program in Applied Science.

Students seeking admission in 1979 will be required to present three arts and science courses at the grade 12 level in addition to English 12.

Prof. Finnegan said the committee had run a computer analysis to determine how many of the 3,003 students admitted from grade 12 in 1977 had grade 12 subjects beyond English 12.

He said more than 60 per cent had three grade 12 subjects, more than 80 per cent had two subjects, and 96 per cent had one. He emphasized that these percentages were minimal, since the computer was not programmed to pick up two grade 12 subjects which are not required by any faculty for admission to UBC.

He said the committee had requested the registrar to insert a notice in the UBC calendar stating that special consideration would be given to applications from students who were unable to meet this requirement "through no fault of their own."

For entry to UBC in September, 1981, students must have math II, science II, French II or a foreign language, or three courses at the 12 level in addition to English II and 12 and social studies II, Prof. Finnegan said.

Prof. Finnegan said the regulations apply only to students coming from grade 12 and that applications for admission from mature students are always treated on an individual basis.

Internship for psychologists

Senate has approved a new one-year, post-doctoral internship program in clinical psychology in the Faculty of Medicine.

The purpose of the program is to allow a small number of clinical psychologists who hold doctoral degrees to take an interdisciplinary program for the development of skills in mental health intervention — and to prepare them for work with psychiatric colleagues.

The students will be trained in UBC's Psychiatric Hospital by Department of Psychiatry faculty.

Advertising not necessary

Senate has approved a motion modifying regulations passed in 1971 that make it mandatory to advertise UBC faculty posts nationally in Canadian publications.

The modification makes it possible, in well-documented cases, for heads of departments, directors of schools and institutes, deans of faculties and vice presidents to be appointed internally "without necessarily advertising such vacancies outside the University."

Dean George Volkoff, head of the science faculty and sponsor of the motion, emphasized to Senate that he was not saying there should be no advertising of vacancies for such posts.

He said that when the 1971 regulations were passed there were no budgetary problems. Today, he said, the University has a virtually stable enrolment and limited resources. He said his motion would make it possible to advertise in fewer cases, especially where there are well-qualified people at the University already.

Dean Volkoff said his motion was not meant to apply to vacancies for professorial or other ranks at UBC.

Institute discontinued

Senate has voted to discontinue the Institute of Astronomy and Space Science in the Faculty of Graduate Studies and to incorporate the institute's functions into the Department of Geophysics and Astronomy in the Faculty of Science.

Graduate Studies dean Prof. Peter Larkin told Senate the institute had been set up in 1969 when five western Canadian universities were discussing establishment of a consortium to manage the proposed Queen Elizabeth telescope, which was to be built on Mount Kobau in the south Okanagan.

The federal government decided not to proceed with the telescope in B.C. Another instrument is currently under construction in Hawaii.

Dean Larkin said the University had also received a negotiated development grant from the National Research Council to support astronomy at the time the institute was formed.

That grant, he said, has now been spent and research activities related to it were now carried out under normal operating-grant arrangements.

President Douglas Kenny, chairman

PEOPLE

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biology. The group he worked with solved the chemical sequence for a particular DNA chain consisting of 5,000 base groups.

The \$1000 Jacob Biely Prize is awarded annually for distinguished research carried out in the previous three years. It is named in honor of Prof. Biely, former head of UBC's Department of Poultry Science.

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Eight members of UBC's non-faculty employed staff have been nominated for a seat on the Board of Governors and five members of the faculty are running for two Board positions.

Nominees for the seat open to non-faculty employed staff are: **Jerry C. H. Andersen**, a library assistant in the Woodward Library; **Ken Andrews**, a physical plant electrician and the incumbent; **Jeff Hoskins**, mail clerk in the Faculty of Commerce; **Dennis Magrega**, a counsellor in the Office of Student Services; **Frances Takemoto**, senior accountant in the Finance Department; **Graham Thorne**, audiovisual section, Instructional Media Centre; and **Laszlo J. Veto**, senior technician, Department of Botany.

The election for the position will be conducted by mail ballot. Election date is Dec. 14.

Nominated for the two faculty positions on the Board are: **Prof. John Calam**, Faculty of Education; **Prof. Charles McDowell**, Chemistry, and an incumbent; **Prof. Francis E. Murray**, Chemical Engineering; **Prof. Peter Pearse**, Economics; and **Prof. R. D. Russell**, Geophysics and Astronomy.

The election for the two positions will be conducted by mail ballot. Election date is Dec. 2.

Prof. Gideon Rosenbluth of the Department of Economics and the other faculty member now serving on the Board, is not a candidate for a second term.

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President Douglas Kenny has accepted an invitation to serve on the National Advisory Council of Canadian Friends of Tel Aviv University.

of Senate, said the Faculty of Graduate Studies deserved congratulations for having carried out a review of a University unit and recommending that it be discontinued because of changed circumstances.

Senate also approved motions from Dean Larkin asking that consideration be given in five years to establishment of a separate Department of Astronomy, and requesting the president to establish a Committee on Space Science.

Dean Larkin said the committee would co-ordinate work going on in a variety of University departments in the areas of satellite imagery and design. He said the committee was needed to serve as a liaison between UBC and a recently formed national body on space science activities.

Librarians get Senate seat

Professional librarians employed at UBC have been granted representation on Senate.

A motion to allow full-time professional librarians to elect one of their number to Senate was approved at Senate's November meeting on the recommendation of the Committee on the Implementation of the Universities Act.

Only those professional librarians who have been employed at UBC for four months or more will be eligible to stand as candidates and to vote in the election.

In addition to seeking Senate membership, the UBC Librarians' Association asked that Senate designate professional librarians on campus as "equivalent to faculty members" as defined under the Universities Act.

Prof. Peter Pearse told Senate the Committee on Implementation of the Universities Act did not support the proposal to designate librarians as being equivalent to faculty members but was prepared to support representation on Senate "in view of the very important academic function of professional librarians at the University."

Tel Aviv University is Israel's largest university, with more than 18,000 students and 1,700 faculty. In addition to its regular programs, it offers one-year undergraduate programs and summer sessions for Canadians.

The Canadian Friends of Tel Aviv University is a group involved in establishing programs of Canadian-Israeli academic and cultural interchange.

In addition to Dr. Kenny, 29 other distinguished Canadians have joined the advisory council, including the presidents of Carleton and Dalhousie universities.

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The Science Council of Canada has released the report of a committee chaired by **Dr. David Bates**, former dean of medicine who continues to teach in the physiology and medicine departments of UBC's medical school, on the containment of long-term hazards to human health in the environment and in the workplace.

The report makes recommendations to industry, labor, government and public decision-makers on six environmental hazards studied by the committee. These included asbestos, mercury, radiation and oxides of nitrogen.

Dr. Bates was also a key speaker at a national conference entitled "Hazards at Work: Law and the Workplace," held in Toronto in mid-November. He spoke on "Policies for Occupational and Environmental Health."

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The report of a team headed by **Dr. David Robitaille** of the Faculty of Education which carried out a province-wide assessment of the mathematical skills of students in grades 4, 8 and 12, has been released by Education Minister Patrick McGeer.

The team found that basic arithmetic skills of students in B.C. schools are generally satisfactory but greater attention is required for application of these skills to consumer-related problems.

A similar assessment of student skills in the field of social studies, to be released soon, is under the direction of **Prof. Ted Aoki**, also a member of the Faculty of Education.

NEXT WEEK AT UBC

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FRIDAY, DEC. 2 (Continued)

- 4:00 p.m. **GEOPHYSICS AND ASTRONOMY SEMINAR.** Dr. Michael Chinnery, Massachusetts Institute of Technology, on **How Large Can Earthquakes Be?** Room 260, Geophysics and Astronomy Building.
- 7:30 p.m. **ICE HOCKEY.** UBC vs. Richmond. Thunderbird Winter Sports Centre.
- 8:00 p.m. **UNIVERSITY SYMPHONY ORCHESTRA** directed by Douglas Talney plays **Music of Beethoven, Schubert and E. Wilson.** Recital Hall, Music Building.

8:00 p.m. **BASKETBALL.** UBC Thunderettes vs. Western Washington. Gym A, Physical Education Centre.

SATURDAY, DEC. 3

- 8:00 a.m. **VOLLEYBALL.** Women's Invitational Tournament. Play continues until approximately 11 p.m. War Memorial Gymnasium.
- 2:00 p.m. **SOCCER.** UBC Thunderbirds vs. Dover Olympics. Thunderbird Stadium.
- 8:00 p.m. **UBC OPERA WORKSHOP.** French Tickner directs **An Evening of Opera** - Excerpts from master works of 18th, 19th and 20th centuries. Old Auditorium.

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, Nov. 26 — 8:15 p.m.

Prof. Robert Rosenblum, Cecil H. and Ida Green Visiting Professor to UBC from New York University, speaks on **Picasso — and the Guernica of 1937**. Lecture Hall 2, Woodward Building.

SUNDAY, NOV. 27

3:00 p.m. **MUSEUM OF ANTHROPOLOGY**. Jerry Smith and Beau Dick, Indian artists, discuss their work in an informal setting. 6393 N.W. Marine Dr.

MONDAY, NOV. 28

9:00 a.m. **PEDIATRICS MEDIA SHOW** on Idiopathic Scoliosis. Continues until Friday, Dec. 2, with shows from 9 a.m. to 5 p.m. 715 W. 12th Ave.

12:30 p.m. **CANCER RESEARCH SEMINAR**. Bob Whiting, Cancer Research Centre, UBC, on **Studies of Chromate Mutagenesis in Cultured Human Cells**. Library, Block B, Medical Sciences Building.

POETRY READING by Robert Hoag, Canadian poet. Mildred Brock Lounge, Brock Hall.

3:30 p.m. **MANAGEMENT SCIENCE SEMINAR**. Prof. E. Love, Economics and Commerce, Simon Fraser University, on **Production Scheduling via Product Decomposition**. Room 312, Angus Building.

CHEMISTRY SEMINAR. Prof. S. Masamune, Chemistry, University of Alberta, on **Synthesis of Macrolide Antibiotics**. Room 225, Chemistry Building.

3:45 p.m. **MECHANICAL ENGINEERING SEMINAR**. S. Tom, mechanical engineering graduate student, on **The Feasibility of Using Supercritical CO₂ as a Coolant for the CANDU Reactor**. Room 1215, Civil and Mechanical Engineering Building.

4:00 p.m. **BIOCHEMICAL DISCUSSION GROUP**. Chris Richardson, Biochemistry, UBC, on **Assembly of the Membrane of Semliki Forest Virus**. Lecture Hall 3, Woodward Building.

4:30 p.m. **ZOOLOGY-PHYSIOLOGY SEMINAR**. Dr. David Smith, Zoology, UBC, on **Blood Pressure Regulation in Fish**. Room 2449, Biological Sciences Building.

8:00 p.m. **COLLEGIUM MUSICUM**. Hans-Karl Piltz and John Sawyer direct **Music of the Renaissance**. Recital Hall, Music Building.

IMMUNOLOGY SEMINAR GROUP. Dr. John North, Bacteriology and Immunology, University of California at Berkeley, on **B Memory Cells in Vitro**. Salons B and C, Faculty Club.

PEOPLES OF THE WORLD IN FILM series. Sholom Altman, Anthropology, SFU, presents **The Dani of New Guinea — Dead Birds**. 1155 W. Georgia. Admission, \$4.

TUESDAY, NOV. 29

12 noon **ACADEMIC WOMEN'S ASSOCIATION** lunch for members and friends. Salons A, B and C, Faculty Club.

DEVELOPMENTAL MEDICINE SEMINAR. Dr. D. Seccombe on **Peroxisomes and their Isolation**. Room 15, 2nd floor, Centre for Developmental Medicine, 811 W. 10th Ave.

12:30 p.m. **LAW LECTURE**. Visiting UBC professor A. W. R. Carrothers, president, Institute for Research on Public Policy, on **The Challenge of Public Policy Research in Canada**. Main lecture hall, Curtis (Law) Building.

BOTANY SEMINAR. Bob Sheath, Botany, UBC, on **Fresh Water Rhodophyta of Southern Ontario**. Room 3219, Biological Sciences Building.

3:30 p.m. **GEOLOGY LECTURE**. C. Jay Hodgson, Geological Sciences, Queen's University, on **Ore Metal Associations in Volcanogenic Massive Sulphides**. Room 330-A, Geological Sciences Building. Discussion follows in same location at 8 p.m.

OCEANOGRAPHY SEMINAR. Dr. Pat Crean, Institute of Oceanography, UBC, on **Numerical Model Simulations of the Tides and Streams Between Vancouver Island and the Mainland**. Room 1465, Biological Sciences Building.

4:30 p.m. **CHEMISTRY SEMINAR**. Prof. S. Masamune, Chemistry, University of Alberta, on **The Cyclobutadiene Problem**. Room 250, Chemistry Building.

9:00 p.m.

UBC PUBLIC AFFAIRS. Host Gerald Savory, Centre for Continuing Education, discusses **The Canadian Unity Issue: Regions and the Party System** with guests Dr. David Elkins and Dr. Richard Johnston, Political Science, UBC. Channel 10, Vancouver Cablevision.

WEDNESDAY, NOV. 30

12 noon

PHARMACOLOGY SEMINAR. Dr. Thomas Perry, Pharmacology, UBC, on **Neurotransmitters of Cerebellar Neurons: Contributions from Studies of Inherited Human Cerebellar Disorders**. Room 114, Block C, Medical Sciences Building.

12:30 p.m.

COLLEGIUM MUSICUM. Hans-Karl Piltz and John Sawyer direct **Music of the Renaissance**. Recital Hall, Music Building.

HABITAT REVISITED film series. Upper lounge, International House.

3:30 p.m.

STATISTICS WORKSHOP. R. Hauschildt, Engineering, Phillips Cables Ltd., on **Statistics in Communication Cable Manufacturing**. Room 412, Angus Building.

4:30 p.m.

CHEMICAL ENGINEERING SEMINAR. J. R. Grace, McGill University, on **End Effects in Fluidized Bed Reactors**. Room 206, Chemical Engineering Building.

THURSDAY, DEC. 1

9:00 a.m.

MEDICAL GRAND ROUND. Dr. Anthony W. Chow, Medicine, University of California at Los Angeles, and Harbor General Hospital, Los Angeles, on **Herpes Simplex Encephalitis**. Lecture Hall B, VGH.

12:30 p.m.

UNIVERSITY SYMPHONY ORCHESTRA directed by Douglas Talney plays **Music of Beethoven, Schubert and E. Wilson**. Recital Hall, Music Building.

GREEN VISITING PROFESSOR. Gordon Craig, University of Edinburgh, on **James Hutton and the Scottish Contribution to Geological Time**. Lecture Hall 2, Woodward Building.

PHARMACOLOGY SEMINAR. Dr. J. H. Dirks, Medicine, UBC, on **Renal Handling of Calcium: Physiology and Pharmacology**. Lecture Hall 3, Woodward Building.

2:30 p.m.

CONDENSED MATTER SEMINAR. K. Abdolali, UBC, on **The Lipid-Water Interaction in Lyotropic Mesophases**. Room 318, Hennings Building.

3:45 p.m.

APPLIED MATH AND STATISTICS. Prof. J. J. Levin, Mathematics, University of Wisconsin-Madison, on **The Behavior of Solutions of Integro-differential Equations**. Room 2449, Biological Sciences.

4:00 p.m.

PHYSICS COLLOQUIUM. K. O. Hodgson, Chemistry, Stanford, on **EXAFS Studies of Metalloproteins**. Room 201, Hennings Building.

8:00 p.m.

UBC OPERA WORKSHOP. French Tickner directs **An Evening of Opera** — excerpts from master works of the 18th, 19th and 20th centuries. Old Auditorium.

FRIDAY, DEC. 2

9:00 a.m.

PEDIATRICS GRAND ROUND. Dr. David Scheifele, Pediatrics, VGH, on **Current Concepts of Bacterial Meningitis**. Lecture Hall B, VGH.

12:30 p.m.

HABITAT REVISITED film series. Upper Lounge, International House.

3:30 p.m.

SOIL SCIENCE SEMINAR. Terry Rollerson on **Accumulation of Debris in the Ablation Zone of Present Day Mountain Glaciers**; and David Moon, Agriculture Canada and Soil Science, UBC, on **Soils Data for Forest Planning**. Room 154, MacMillan Building.

LINGUISTICS COLLOQUIUM. James Patrie, Linguistics, UBC, on **Historical Background of Ainu**. Room 2225, Buchanan Building.

ZOOLOGY-PHYSIOLOGY SEMINAR. Dr. Pierre Laurent, Comparative Physiology, Strasbourg, France, on **Comparative Studies of Gill Blood Pathways in Different Classes of Fish**. Room 2449, Biological Sciences Building.

COMPUTER SCIENCE COLLOQUIUM. Dr. Terry Beyer, University of Oregon, on **Reducing Clerical Burden in Programming Languages**. Room 301, Computer Sciences Building.

Continued inside