

UBC REPORTS

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UBC REPORTS CAMPUS EDITION

Faculty Upholds Committee

Faculty members in UBC's Department of Zoology last week voted to uphold a recommendation from the department's committee on reappointments, promotions and tenure to offer a one-year terminal appointment to Dr. J. Robin Harger.

The terminal appointment would run from July 1, 1971, to June 30, 1972.

The departmental recommendation, together with the result of the secret ballot by the zoology department, will now be forwarded to the dean of the Faculty of Science, Dr. Vladimir Okulitch.

Dr. Harger has said he will appeal the recommendation.

The current controversy surrounding Dr. Harger is the second occasion on which the question of his employment at UBC has been a matter of public discussion.

Dr. Harger joined the UBC faculty in 1967 on a two-year probationary appointment that terminated on June 30, 1969. During the final year of this initial contract, the zoology department's committee on reappointments, promotion and tenure recommended that Dr. Harger be offered a one-year terminal contract for the 1969-70 academic year, as prescribed by University regulations.

As a result of public discussion and consultations with the UBC Faculty Association, the Department of Zoology agreed to establish an ad hoc committee to review the first decision not to renew Dr. Harger's original contract.

The result of the review by the eight-man ad hoc committee, made up of two assistant professors, three associate professors and three full professors, was that Dr. Harger received a second two-year probationary appointment for the period July 1, 1969 to June 30, 1971.

Following the review by the ad hoc committee, the zoology department procedures regarding reappointments, promotions and tenure were reviewed and a reconstituted committee was established along the lines of the ad hoc committee and including five members of the ad hoc committee.

Under the revised regulations approved by the zoology department a faculty member was granted the right, where matters of reappointment, promotion and tenure were involved, to appeal to the entire department and to request a departmental meeting to discuss the matter.

Early this fall, the question of Dr. Harger's promotion to associate professor and whether or not he would be granted tenure was considered by the departmental committee.

The committee's recommendation to Prof.

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See ZOOLOGY.



ARCHITECT'S model shows the appearance of the Main Mall and area in front of UBC's Main Library when the new Sedgewick Library is complete under the Mall. Contract for the new Library, which will seat 2,000 students and house 180,000 books, has been awarded and construction will begin Nov. 9.

Northern red oaks lining the Main Mall will be enclosed in caissons that will be incorporated into the two-storey building. Students in Library reading rooms will look out into landscaped courtyards in front of the Main Library, foreground, and the Mathematics Building, at top.

RHONE & IREDALE
ARCHITECTS

Board Awards Contracts For Three UBC Buildings

The University of B.C.'s Board of Governors has awarded construction contracts totalling nearly \$7,000,000, including one for the new Sedgewick Library to be built under the Main Mall of the campus.

The \$3,306,000 contract for the Sedgewick Library, which will seat 2,000 students and accommodate 180,000 volumes when complete, has been awarded to Cana Construction Co. Ltd.

UBC's bursar, Mr. William White, said the letting of the contracts by the Board should provide additional employment in the construction industry prior to the onset of winter.

BUCHANAN EXTENSION

Also awarded were contracts for:

- A 12-storey office-seminar room extension to the Buchanan Building to contain 267 faculty offices and nine seminar rooms, each seating 15 students. Frank Stanzl Construction Ltd. will build the extension at a cost of \$2,596,754 on the site of the former Women's Gymnasium. (See picture on Page Two).

- A new Civil and Mechanical Engineering Building, to be built on Stores Road between the East and Main Malls. A \$1,057,000 contract has been awarded to Biely Construction Co. Ltd. for the one-storey building, which will provide shop and laboratory accommodation as well as some faculty offices.

The unique Sedgewick Library, designed to correct a critical lack of undergraduate library space, is the result of two years of planning by UBC officials working in conjunction with the Vancouver architectural firm of Rhone and Iredale.

The Library's design is an ingenious solution to a seemingly insoluble problem: creation of a new library facility located where studies show it ought to be - immediately west of the existing Main Library - without destroying the traditional character of the treed Main Mall and adjacent lawns.

The solution arrived at makes it possible to preserve all but one of the 40-year-old northern red oaks and the vistas they frame along UBC's Main Mall. (For an idea of what the Main Mall will look like in the future, see picture on Page Four).

A second aim of the architects was the creation of

an appropriate environment for learning, which has been achieved by designing the Library so that its east and west faces will open out onto landscaped courtyards in front of the Main Library and the Mathematics Building.

Eight concrete caissons - each 30 feet in diameter - will be built around the roots of the oaks lining the Mall and incorporated into the building. The caissons will run down through both floors of the two-storey Library and provide visual anchors for the building.

On the east face of the building nearest the Main Library the caissons will be partially exposed and from ground level will appear to be turrets thrusting up to the Main Mall. (See picture at top of this page).

These towers will divide the glass curtain walls that will face out onto the landscaped court and the Main Library.

Other features of the future Main Mall will be staircases leading down to Library entrances and a double skylight which will offer a view down into the Library and serve as a light beacon at night.

The key to the Library project is the elevation contour between the Main Library and the Mathematics Building.

The asphalt level of the Main Mall is about 12 feet higher than the entrance to the present Sedgewick Library in the south wing of the Main Library.

Twelve feet is also approximately the height of each of the two floors of the new Library. This means that the entrance to the present Sedgewick Library will be on the same level as the entrance to the new building 12 feet below the Main Mall.

PRESERVE TREES

About 100,000 cubic yards of earth on the east and west sides of the Main Mall will be excavated to slightly more than 24 feet from the top of the asphalt so that the bottom of the new building will be about 12 feet, or one storey, lower than the entrance to the old Sedgewick Library.

Extensive landscaping and terracing is planned for the new building, particularly the area to the east. The Ladner Clock Tower and the pool in front of the Library will be preserved as well as the trees and

Please turn to Page Four
See CONSTRUCTION



EXTENSION to UBC's Buchanan Building, shown in artist's sketch above, will house 267 faculty members and contain nine seminar rooms. It will be built on the site of the former Women's Gymnasium. The

building will be UBC's tallest, but only temporarily. New residence towers near the Student Union Building, when complete, will eclipse the extension. For details, see story which begins on Page One.

Liberal Studies Center To Be Investigated

The vexing question of providing general education courses for students who specialize got another airing at the Oct. 14 meeting of UBC's Senate.

The discussion was triggered by a report from a special committee established to study Recommendation 7 of the Senate Committee on Long-Range Objectives, which submitted a 132-page report containing 39 recommendations in October, 1969.

The recommendations made in the Long-Range Objectives report have been debated at regular and special meetings of Senate held over the past 12 months.

Recommendation 7 asked that a study be made of existing general education requirements and courses with a view to coordinating them within a University-wide program that would provide general courses in any one of the four undergraduate years, common core courses and a four-year general education course.

The report from the eight-man committee established to consider Recommendation 7 said an attempt had been made to decide how the specialist should round out his education.

A better method than prescribing courses outside the student's field of interest "might be to foster an enjoyment of the arts and sciences by showing their relevance to the student's own specialty," the report said.

The report specifically recommended the establishment of a Center for Liberal Studies to assess the need for such programs and devising ways of satisfying the need, coordinate information about lectures and other cultural activities and sponsor a University Lecture Series by faculty members who are good speakers.

The report suggested the the Center might sponsor a course in which 100 freshmen would meet with four professors from different disciplines to study a problem of general interest. After a series of lectures the students would split up into four sections to

develop the implications of the lectures through workshops or discussion groups.

Each section would be looked after by a professor who would pay special attention to teaching students to write good English.

(Dr. Dennis Chitty, professor of zoology, who chaired the committee which prepared the report, later told *UBC Reports* that the proposed course would be offered for credit, possibly as an alternative to the present compulsory English 100 or the compulsory Science course for Arts students, providing Senate agrees).

Convocation Senator David Williams said the suggestions made in the report were "pallid." He added that the tendency in recent years has been to denigrate general programs and that to attack the problem Senate would have to require general studies within given Faculties.

After the report was received by Senate, Prof. Chitty told the meeting that the committee had not made a systematic review of existing programs at UBC.

He said the committee was aware of faculty "unhappiness" over the compulsory nature of English 100, the annoyance of some professional Faculties at any kind of general education and the fact that some others don't think sufficient time is given to general education.

The committee had not had time to review general education courses at other universities or think out a scheme for UBC, since needs differ from Faculty to Faculty.

Dr. Chitty described the committee's proposal as modest, practical and flexible and suggested that the proposed Center for Liberal Studies might grow into a Center for the Arts and Sciences of Man.

Senate agreed with a suggestion that President Walter Gage establish a committee to make a further study of the recommendations calling for a course for 100 freshmen to study a topic of general interest and establishment of a Center for Liberal Studies.

Reduced federal government spending meant an increase of only \$227,733 for research at the University of B.C. in the 1969-70 academic year.

The 1969-70 increase is in sharp contrast to increases which UBC received in previous years. The 1968-69 increase over the previous year totalled \$2,527,804 and the 1967-68 increase over 1966-67 was \$1,834,406.

The figures on research fund allocations at UBC for the last four academic years have been compiled by Prof. Frank Forward, UBC's consultant on research administration.

(Reproduced at right are tables showing how much each faculty spent on research, the source of funds as well as the source of distribution and percentages for the last four years. A feature of the 1969-70 figures is the inclusion for the first time of scholarship and fellowship awards totalling \$2,514,976).

Despite the federal government cutback in research funds UBC's expenditures of more than \$14.4 million dollars is of the same order of magnitude as the University of Toronto, which spends approximately \$16 million on research, Prof. Forward said.

Almost 75 per cent of UBC's research funds come from the federal government. (See source distribution table at right). The second largest contributors are private, industrial and foreign agencies which gave a total of \$2,714,975 in 1969-70).

The two UBC faculties which spent the most on research in 1969-70 were the Faculty of Science - \$4,430,791 - and the Faculty of Medicine - \$3,899,581.

UBC regulations concerning research are governed by a "Statement of Policy on Research Contracts and Grant Agreements," which is included in *The Faculty Handbook*, a publication given to each person appointed to the UBC faculty.

The following are excerpts from the *Handbook* statement on research policy.

The University recognizes the right of persons connected with the University to enter into Research Grant Agreements with Governments, Foundations, Corporations, or individuals to undertake research in which University facilities are used. Such agreements must be compatible with the University Patent Policy and the principles stated herein.

It is the policy of the University *not* to engage in classified research *nor* to permit University facilities to be used for such research.

Irrespective of the source of support for the research or the auspices under which funds are provided whether by contract, research agreement, grant or gift, the policy in respect of disposition of information arising from the research is:

1. Because the University must remain a stronghold of free and independent thought and provide a forum for unrestricted exchange of ideas, University personnel are encouraged to discuss and publish their research results as soon and as fully as may be reasonable and possible.

2. The University cannot accept responsibility for the exercise of discretion by one of its members in respect of retention or revelation of confidential information imparted to him by anyone.

3. It is recognized that in exceptional circumstances, especially those involving patentable material or the privacy of individuals, it may be wise and reasonable to withhold publication of research information for a limited period of time. Where any such formal restriction is required, the research project *must* be the subject of a contractual agreement between the University and the sponsor, under which the terms relating to restriction of publication must carry the recommendation of the President's Committee on Research Policy and be specifically approved as to content by the Board of Governors.

SUMMARY OF UBC RESEARCH FUND ALLOCATIONS

FOR THE FOUR-YEAR PERIOD 1966-70

FACULTY	1966-67	1967-68	1968-69	1969-70*
Agricultural Sciences	\$ 207,015	\$ 334,798	\$ 494,691	\$ 653,416
Applied Science	1,088,431	1,392,029	1,583,910	1,735,155
Arts	348,829	563,881	1,098,869	1,589,330
Commerce	12,000	13,393	52,253	187,349
Computer Center	138,500	199,800	351,170	415,000
Dentistry	30,421	78,806	129,267	197,030
Education	38,630	33,177	91,363	148,331
Forestry	128,388	195,949	218,442	307,516
Graduate Studies	352,455	373,250	762,845	716,101
Law	2,935	3,900	19,857	4,900
Library Building	—	—	64,000	70,000
Medicine	2,585,413	2,887,063	3,301,252	3,899,581
Pharmaceutical Sciences	35,620	54,067	111,810	126,712
Science	2,407,656	3,080,586	3,458,774	4,430,791
	<u>\$7,376,293</u>	<u>\$9,210,699</u>	<u>\$11,738,503</u>	<u>\$14,481,212</u>

* These figures include, for the first time, awards for scholarships and fellowships totalling \$2,514,976.

SOURCE OF FUNDS

Atomic Energy Control Board	\$ 414,400	\$ 421,000	\$ 325,000	\$ 294,900
Canada Council — Operating	143,605	208,673	548,194	312,204
Canada Council — Travel	—	—	5,248	16,850
Centennial Commission	2,250	—	—	—
Central Mortgage and Housing Corp.	10,600	—	86,800	19,500
Department of Agriculture	33,800	55,400	84,800	81,000
Department of Indian Affairs	72,488	39,988	59,300	36,736
Department of Labor	—	3,000	7,860	—
Department of Transport	24,000	15,000	52,500	81,000
Defence Research Board — Operating	178,975	217,575	268,670	236,500
Department of Veterans Affairs	8,842	3,557	9,600	11,729
Energy, Mines and Resources — Geography	3,400	2,300	3,880	3,250
Energy, Mines and Resources — Geological	3,550	9,110	17,705	24,625
Energy, Mines and Resources — Mines	10,190	19,000	13,800	9,000
Energy, Mines and Resources — Observatories	—	—	2,000	7,000
Energy, Mines and Resources — Water Resources	—	—	17,800	49,100
Federal Public Health	568,937	665,435	781,123	698,782
Federal Welfare Grants	—	—	96,490	56,540
Forestry and Fisheries	108	58,700	74,500	50,000
Fisheries Research Board — Operating	94,847	101,163	99,200	90,361
Manpower and Immigration	—	4,100	—	—
Medical Research Council — Equipment	284,388	285,727	274,876	188,560
Medical Research Council — Operating	770,485	1,144,360	1,567,843	1,715,373
Medical Research Council — Personnel Award	—	—	—	200,101
National Harbors Board	5,000	3,100	—	1,500
National Fitness and Amateur Sport	27,730	8,000	3,500	22,500
National Research Council — Equipment	534,397	463,079	597,382	334,758
National Research Council — ERE Committee	—	80,096	168,479	187,370
National Research Council — Negotiated Dev.	—	150,000	150,000	75,000
National Research Council — Operating	1,953,833	2,739,433	3,683,013	3,936,879
National Research Council — Travel	—	—	40,917	28,849
Privy Council	4,500	—	200	—
Penitentiary	—	11,300	13,000	11,000
Province of British Columbia	63,721	73,828	67,750	163,545
Private, Industrial and Foreign	1,807,894	1,840,013	2,031,939	2,507,158
Scholarships and Fellowships	—	—	—	2,514,976
Science Council of Canada	—	—	—	18,150
UBC Budget	16,708	25,810	40,883	10,530
UBC Special Fund	—	—	—	366
UBC Research Committee	337,645	561,952	544,251	485,520
	<u>\$7,376,293</u>	<u>\$9,210,699</u>	<u>\$11,738,503</u>	<u>\$14,481,212</u>

SOURCE DISTRIBUTION

BC Government	\$ 63,721	\$ 73,828	\$ 69,663	\$ 168,295
Federal Government	5,385,520	6,956,846	9,148,706	10,574,951
UBC General Funds	354,353	526,312	584,355	1,022,991
Private, Industrial and Foreign	1,572,699	1,653,713	1,935,779	2,714,975
	<u>\$7,376,293</u>	<u>\$9,210,699</u>	<u>\$11,738,503</u>	<u>\$14,481,212</u>

SOURCE PERCENTAGE

BC Government	0.8%	0.8%	0.8%	1.1%
Federal Government	73.1%	75.5%	77.9%	73.2%
UBC General Funds	4.8%	5.7%	5.0%	7.1%
Private, Industrial and Foreign	21.3%	18.0%	16.3%	18.6%
	<u>100.0%</u>	<u>100.0%</u>	<u>100.0%</u>	<u>100.0%</u>



UBC'S MAIN MALL will look like this when the new Sedgewick Library is complete. Features of the Mall will be staircases, one of which is shown in foreground, leading to Library entrances below the Mall and a double skylight, seen at center rear, which

will offer a view down into the two-storey Library and serve as a light beacon at night. Traditional appearance of the Main Mall will be preserved by retaining all but one of the northern red oaks which line the Mall.

Two Appointed By UBC Board

The University of B.C.'s Board of Governors has appointed Prof. A. Donald Moore as head of the Department of Electrical Engineering and Prof. Ben Moys as acting director of the Institute of Applied Mathematics and Statistics.

Both appointments were made at the Board's regular meeting on Tuesday (Nov. 3).

Prof. Moore, who has been a member of the UBC faculty since 1949, has been acting head of electrical engineering since the sudden death on Aug. 1, 1969, of Prof. Frank Noakes.

At UBC, Prof. Moore's main research interests have been in the fields of network theory and instrumentation as applied to interdisciplinary studies.

Prof. Moore was a leading member of a UBC team of electrical engineers and medical researchers which developed the first polarcardiograph, a new type of machine for analysing the electrical activity of the heart.

Prof. Ben Moys, who will serve as acting head of the new Institute of Applied Mathematics and Statistics until a permanent head is named, has been a UBC faculty member since 1947.

In addition to his duties as professor of mathematics, Dr. Moys will continue to serve as assistant dean of UBC's Faculty of Graduate Studies, a post he has held since 1966.

The new Institute, approved by UBC's Senate and Board of Governors in the last academic year, will coordinate advanced teaching in statistics and applied mathematics and promote the growth of interdisciplinary research activities in these fields.

ZOOLOGY

Continued from Page One

William Hoar, the head of the zoology department, was that Dr. Harger not be promoted and that he be offered a one-year terminal contract beginning July 1, 1971.

An official of the Society for Pollution and Environmental Control, of which Dr. Harger is president, claimed in late October in the course of a public speech that Dr. Harger's contract was not being renewed because of his activities with SPEC.

Prof. Hoar denied this statement and said the committee's decision was based on three criteria: Dr. Harger's ability as a teacher, his output as a scholar and his participation in University affairs.

Subsequently Dr. Harger asked Prof. Hoar to call a meeting of the Department of Zoology to provide an opportunity for Prof. Hoar to explain to department members the policies relating to the recommendation and for Dr. Harger to present his case.

At this meeting, held on Oct. 27, the department agreed to a secret ballot on the recommendation of the departmental committee on reappointments, promotions and tenure to offer Dr. Harger a one-year terminal appointment.

Department members were asked to check a "yes" or "no" box on the ballot supporting the recommendation.

As a result of a vote at the Oct. 27 meeting all persons equal or superior in rank to Dr. Harger were entitled to vote.

This meant that a total of 40 persons were entitled to vote on the recommendation.

Thirty-eight persons actually cast ballots. One faculty member who is currently out of the country was unable to vote and Prof. Hoar abstained.

The result of the ballot was that 25 persons voted in favor of upholding the recommendation and 13 voted against.

At the meeting prior to the balloting Prof. Hoar reviewed the departmental and University policy regarding promotion and tenure. Prof. J.R. Adams, chairman of the departmental committee on reappointments, promotions and tenure, made a statement concerning the procedures followed by the committee in reaching its decision.

Dr. Harger presented his case to the departmental meeting and a lengthy discussion followed. Also present at the meeting by invitation were 11 students, six undergraduates and five graduate students, some of whom participated in the discussion.

CONSTRUCTION

Alter Traffic Pattern

Continued from Page One

shrubs on the north and south sides of the Library lawn.

The upper floor of the new Sedgewick Library will contain study rooms and catalogue and reference areas as well as offices. The lower floor will include the main stacks for the Library with reading areas on both sides looking out onto the landscaped courtyards.

The Library will house all the books and periodicals required by undergraduates, according to Mr. Basil Stuart-Stubbs, UBC's Librarian. When the new Sedgewick Library is complete, the nearby Main

Library will become a graduate research library for the humanities and social sciences.

The new Sedgewick Library will take 18 months to complete and will cost UBC a total of \$3,894,808. Funds for the building will come from UBC's annual capital budget.

The Sedgewick Library construction will also involve the erection of an extensive hoarding from the Ladner Clock Tower on the east to the Mathematics Building to the west and from the Buchanan Building on the north to the Chemistry Building to the south. The result will be a significant alteration to pedestrian traffic patterns on the central campus.

The new Buchanan Office-Seminar Room Building will be the tallest building on the UBC campus at 150 feet. It is hoped it will be completed by March, 1972.

(The building's nearest rival in height is the apartment tower in Acadia Park, which houses UBC graduate students, at just under 148 feet. The Ladner Clock Tower in front of UBC's Main Library is just over 120 feet in height).

Architects for the Buchanan extension, which will cost a total of \$2,799,763, are Toby Russell Buckwell and Associates.

The building will house faculty members in the Departments of English, French, History and Economics and will contain graduate and undergraduate reading rooms in addition to seminar rooms. There will also be administration areas for each of the departments housed in the building.

The new Mechanical and Civil Engineering Building was designed by McCarter Nairne and Partners and will cost a total of \$1,170,000.

The building, which will result in the permanent closure of part of Stores Road, will be built parallel to the existing Chemical Engineering Building and will replace obsolete facilities occupied by the Mechanical and Civil Engineering Departments in the area to the west of the Henry Angus Building.

The building will be clad in a type of steel which will gradually rust and change color to blend in with other buildings in the vicinity.

Greeks Will Aid Third World

UBC's fraternities and sororities will be out to raise money next week for education in the Third World as part of International Education Year proclaimed by the United Nations.

The fund-raising campaign will begin Monday (Nov. 9) when a team of fraternity and sorority members will ask fellow students to drop money in a huge barrel mounted on wheels, which will be pushed around the campus from 11:30 a.m. to 1:30 p.m.

On Tuesday various folk groups will perform on the Student Union Building plaza. A silver collection will be taken up.

On Thursday several candidates in Vancouver's forthcoming civic election will speak to students in the SUB ballroom at 12:30 p.m. Invited to take part in the rally are aldermanic candidate Harry Rankin and mayoralty candidates Tom Campbell and Dr. William C. Gibson.

The final event in the week of fund-raising will be a rock band concert on the SUB plaza at 12:30 p.m. Friday. Again, a silver collection will be taken up.

Sign Letters

The editors of *UBC Reports* continue to receive letters from readers. These are reproduced when space permits and in cases where the writers have interesting comments to make on University affairs.

We wish to remind readers, however, that the editors will not print unsigned letters. Students who write to the editor should include their year and faculty in addition to their current address.

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