

UBC REPORTS

March 4, 1981

Volume 27, Number 5

Open House: Have a look at the future

Lasers, live animals and the latest in logging management are among features at this year's open house at UBC.

Hosts this year are the applied sciences — agriculture, engineering and forestry. The three faculties will show current research in their areas which will give a peek at the future of

each industry.

A number of exhibits will include visitor participation, particularly in computer simulations and games. Open house will be held Friday, March 6, from 10 a.m. to 10 p.m. and Saturday, March 7, from 10 a.m. to 8 p.m.

There'll be real fires and forest fires

simulated on a computer, wind turbines and wind tunnels, talking typewriters for the blind, ultrasonics, pollution engineering, plasma jets and satellite photography and imagery.

Professors and students will be on hand to discuss solar heating and other energy research, bio-medical engineering, production of energy and

other useful products from garbage and other pollutants, the Agricultural Land Reserve and management of vast tracts of forests.

Also featured will be the latest on coal research.

Visitors will receive while they last free gold-plated coins, mineral specimens, tree seedlings and plants.



Grant Ainscough, a 1951 UBC Forestry grad who now is vice-president and chief forester of MacMillan Bloedel Ltd., will give this year's H.R. MacMillan Lecture in Forestry. He speaks at 12:30 p.m. March 12 in Room 166 of the MacMillan Building on 'The Designed Forest System of MacMillan Bloedel Limited — an Example of Industrial Forest Management in Coastal British Columbia.' It's free.

Rockefeller, UCBC select Bill Gibson

William C. (Bill) Gibson, former head of the department of the history of medicine and science at UBC, has been appointed to the Council of the Rockefeller University in New York (formerly the Rockefeller Institute for Medical Research).

The university is a post-graduate institution offering Doctor of Philosophy degrees in bio-medical sciences.

Dr. Gibson has also been re-appointed to a second five-year term as chairman of the Universities Council of B.C.

Two UBC grads named to Board

Two well-known B.C. businessmen who graduated from UBC in the late 1940s have been appointed to the Board of Governors by the provincial government.

Kelowna businessman Richard Stewart, a former alderman of that Okanagan city and chairman of the 1980 Summer Games, will fill the unexpired term to March 15, 1982, of Stanley Weston, who died suddenly on Jan. 6.

Vancouver businessman William L. Sauder, president of Sauder Industries Ltd. and Whonnock Industries, major B.C. lumber firms, replaces George Morfitt, who had served the maximum term of six years allowable under the Universities Act.

Sauder will serve a three-year term on the Board as one of two nominees of the UBC Alumni Association appointed by the provincial

government, as provided for under the Universities Act.

Stewart holds the UBC degrees of Bachelor of Science in Agriculture and Bachelor of Commerce, both awarded in 1949. Sauder, a former president of

the Young President's Organization, was awarded the degree of Bachelor of Commerce in 1948.

The provincial government appointments bring the Board up to its full strength of 15.

Research hits \$31 million

UBC researchers were granted more than \$31 million last year, with the natural and health sciences accounting for some \$21 million of the total.

The most heavily funded of the natural sciences at UBC was chemistry at \$2.2 million. Among the health sciences, medicine's total of \$2.4 million was the largest.

Among sources of funds, federal government sources provide more than \$18 million or nearly 60 per cent of the total.

The provincial government accounted for nearly \$5.5 million, slightly ahead of the \$4.9 million from Canadian companies and foundations.

The single largest source of provincial research money came from the B.C. Health Care Research Foundation which distributes part of the proceeds of B.C. Lotteries.

The total amount of research money received last year by Simon Fraser University was \$4 million and by the University of Victoria \$3 million.

Libraries to be linked in new plan

A library development plan that will cost close to \$50 million to implement has been approved by the UBC Board of Governors.

The proposal is outlined in some detail on the centre pages of today's edition of UBC Reports.

The proposal is the result of more than six months of study and analysis of various library development alternatives. The study was undertaken and prepared by Facilities Planning in consultation and cooperation with the Librarian, several standing and special committees, and design and landscape consultants.

A model of the proposed design scheme will be on display in the Main Library until the end of March.

Under the plan, the Main Library will be linked to the Sedgewick Library, underground. This is stage one of the development and will provide 110,000 net square feet of new space.

The proposal also calls for demolition and rebuilding of the two wings of the Library, with a new entrance from East Mall. The original Library will be retained and renovated.

The proposal has been forwarded to the Universities Council of B.C. for approval.



Centre block of Library will stay. So will the pool.

GRANT DEADLINES

Faculty members wishing more information about the following research grants should consult the Research Administration Grant Deadlines circular which is available in departmental and faculty offices. If further information is required, call 228-3652 (external grants) or 228-5583 (internal grants).

April 1

- Hannah Institute Fellowships.
- Hannah Institute Grants-in-aid.
- Hannah Institute Scholarships.
- Medical Research Council of Canada INSRM/MRC Exchange.
- Medical Research Council of Canada Symposia and Workshops.
- Multiple Sclerosis Society of Canada Career Development Grants.
- Multiple Sclerosis Society of Canada Post-doctoral Fellowships.
- Multiple Sclerosis Society of Canada Research.
- Multiple Sclerosis Society of Canada Research Studentships.
- SSHRC: Negotiated Grants Division Major Editorial Grant.
- SSHRC: Negotiated Grants Division Program Grant.

April 10

- Association of Commonwealth Universities Administrative Travelling Fellowships.
- UBC-SSHRC Travel Grant.

April 15

- Canada Council Translation Grant.
- Donner Canadian Foundation Research Grant.
- Medical Research Council of Canada Travel Grant.
- Secretary of State Canadian Ethnic Studies Program: Professorships.
- Secretary of State Canadian Ethnic Studies: Research.
- UBC-NSERC Equipment Grant.

April 16

- Ontario Economic Council Contract Research in Manpower and Education.

April 24

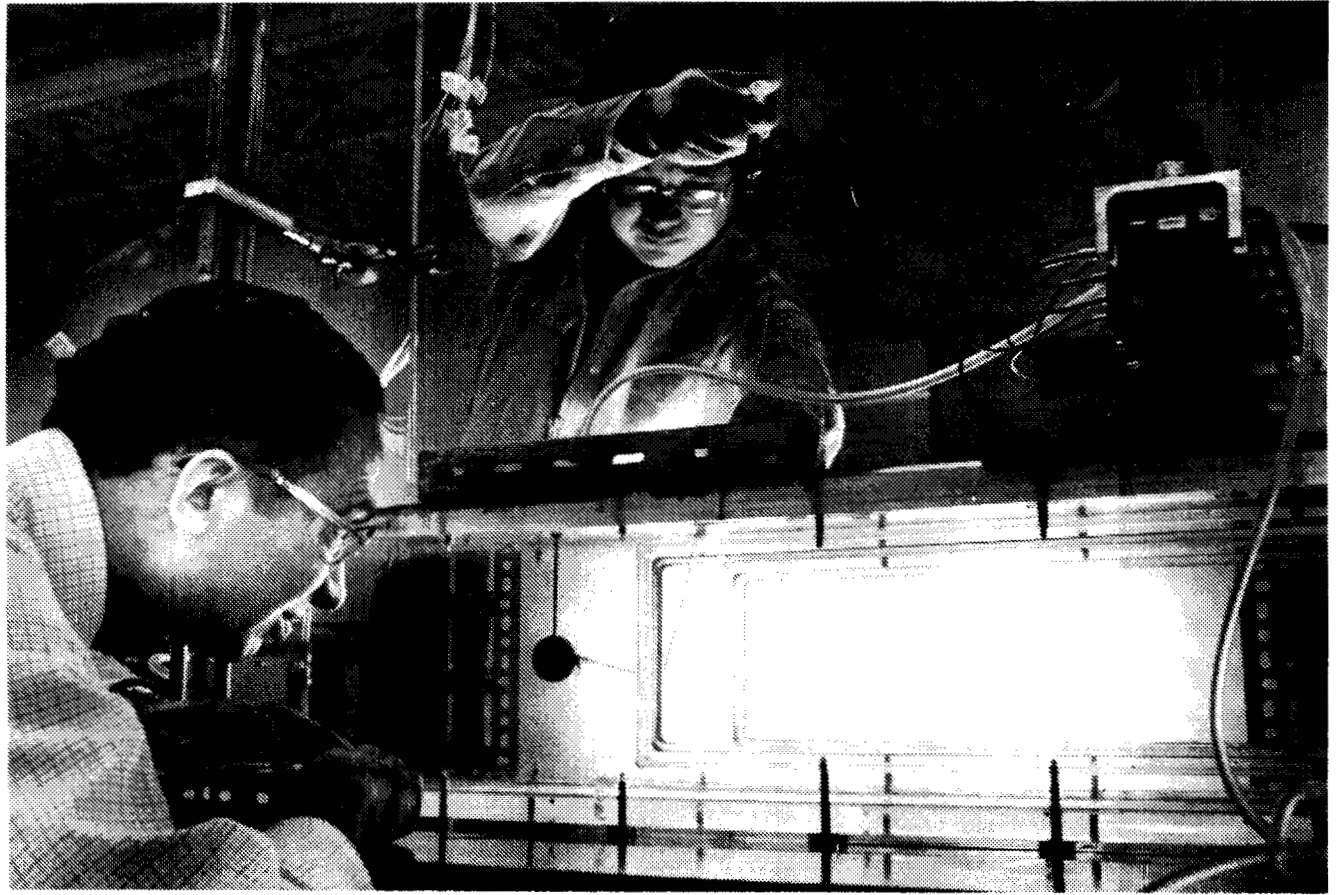
- Canada Mortgage and Housing Corporation Research Grants Type A (to \$2,500).

Botanical guide has the answers

Ever wondered what the common name or the botanical name is for those curious shrubs and odd-looking trees that dot the UBC campus?

The answer to your question is probably noted on a new self-guided tour of campus trees and shrubs prepared by the UBC Botanical Garden. The tour map will enable you to become familiar with approximately 170 different plants found on the UBC campus.

Maps are available from the Botanical Garden offices at 6501 Northwest Marine Drive.



Engineering used to solve medical problems is one of the features of UBC's Open House this Friday and Saturday. The applied sciences — Agriculture, Engineering and Forestry — host Open House this year. Here the fluid dynamics of a heart valve are tested by mechanical engineering professor V.J. Modi, left, and Ph.D. candidate Toshi Akutsu.

Senate approves new Law curriculum

UBC Senate has approved the second and final stage of a comprehensive curriculum review of the Faculty of Law.

The stage two proposals approved at Senate's February meeting represent a "reordering, reshaping and updating of the Law curriculum of the upper years," Law dean Kenneth Lysyk told UBC's academic parliament.

Senate last year approved extensive revisions of the first-year Law curriculum, which were implemented in the 1980-81 academic year.

Senate was told that the upper-year revisions assumed a generalist approach to legal education and recognized that the law is in a constant process of change. The proposals are also based on the assumption that the faculty should continue to offer "a well-rounded legal education that recognizes that most students will enter the practice of law."

Dean Lysyk said the changes involved introduction of new courses in such areas as industrial and intellectual property, the law of the sea, Japanese law, competition policy and a series of courses dealing with specific topics of contemporary interest which allow for experimentation in the presentation of a subject.

In addition to deleting 20 courses from the Law curriculum, the changes involve a renumbering of all courses as well as a restructuring of existing course material and Calendar descriptions to reflect more accurately what is being taught.

* * *

Specific terms of reference and a set of procedural rules have been approved for the UBC Senate's standing committee on appeals on academic standing.

Law professor A.J. McClean, speaking to the committee policies and procedures proposals at the February Senate meeting, said the generality of

the committee's terms of reference and the lack of precise procedural rules "have been a source of difficulty to the committee, a source of annoyance and frustration for both students and faculty . . . involved in appeals, and could cause problems for the University if . . . a decision of the committee is the subject of an appeal to the courts."

The committee proposals, Prof. McClean said, were "in many respects . . . a statement of current practices and procedures of the committee."

In laying down some fairly precise guidelines, they also try to build in some flexibility so that they can be relaxed in any given appeal to ensure that an appeal is fairly conducted.

In speaking to proposed terms of reference for the committee, Prof. McClean said the committee hears appeals because students feel they've been unfairly treated in comparison with other students, where there's been a personality clash with an instructor, or because fair consideration has not

been given to a paper or some performance.

He emphasized that the committee has taken the view that it was not within their terms of reference to hear an appeal where that matter "is simply one of the bona fide exercise of academic judgment on, say, an exam paper."

A set of 10 procedures to be followed prior to a hearing involve three principals, Prof. McClean said: a reasonable time frame for appeals; an indication of the information the committee would find useful; and a built-in flexibility clause allowing the UBC registrar to extend time limitations set out in the regulations.

Only one regulation proposed by the committee was challenged with an amendment, which was lost.

Student senator Chris Niwinski proposed that a regulation calling for the dismissal of an appeal in the event of a tie vote by the committee should be amended so that the appeal would be allowed.

CAMPUS PEOPLE

Prof. William S. Griffith, director of adult education in the Faculty of Education, has been honored by the Adult Education Association of the United States. He was the recipient recently of the association's Research to Practice Award for his significant leadership and research contributions to adult education over a period of 20 years.

The honorary degree of Doctor of Laws was conferred on Prof. A.D. "Tony" Scott, a member of UBC's economics department, by Guelph University in Ontario during recent fall Convocation ceremonies. Prof. Scott also gave the Convocation address at the ceremony.

Prof. of Dentistry Dr. S. Wah Leung, former dean of the Faculty of Dentistry, has been honored by the Chinese Benevolent Association of Vancouver. He received the association's Outstanding Citizen Award for leadership and organizing ability.

Allan R. Crawford, a member of UBC's Board of Governors, has been appointed for a two-year term as a member of the Natural Sciences and Engineering Research Council, which promotes and assists scientific research in Canada. Mr. Crawford is the founder and chairman of the board of Anatek Electronics of North Vancouver, and is a member of the Canadian Association of Physicists and the Association of Professional Engineers in Ontario.

Federal funding critical

If the federal government withdraws its support of post-secondary education in a precipitous way, some Canadian universities will go under, President Doug Kenny told the UBC Senate at its February meeting.

"Some provinces don't put a nickel into universities," Dr. Kenny said. "It is all federal money."

Noting that the current 'Established Programs Financing' (EPF) scheme expires at the end of March next year, he expressed concern that anticipated changes will further erode the already poor financial position of Canadian universities.

President Kenny said few people in Canada are aware of the enormous increase in federal funding of universities since the end of the Second World War. Without that funding, he said, Canada would not have a network of excellent universities.

In the immediate postwar years, he said, Ottawa paid the universities \$150 for each war veteran enrolled. From 1951 to 1967, the federal government paid a per-capita grant direct to the universities, and then from 1967 to 1977 Ottawa paid 50 per cent of operating costs.

"They wrote a blank cheque to the provinces," Dr. Kenny said.

There was no ceiling, and it was a straight dollar for dollar match-up.

"Regrettably, this system was abandoned in 1977," he said.

The EPF system introduced in 1977 is not based on operating costs of universities, and the federal government imposes no restrictions on the money it turns over to the provinces. The provinces are not obligated to match the federal contribution.

In 1979-80, Dr. Kenny said, federal transfer payments totalled \$2.78 billion, and total grants to universities that year totalled \$3.15 billion, making Ottawa the major giver.

President Kenny said the federal government has never really received credit for what it has done for Canadian universities, and he agreed that the EPF system may not be the best way to go. He added, however, that the future welfare of Canada is dependent upon continued federal involvement.

"Universities are important to this nation as a whole," he told Senate.

Dr. Kenny said the federal government was setting up a seven-member parliamentary committee to review the funding arrangements. This group would have until June 26 to report to the cabinet on the stand Ottawa should take in negotiations with the provinces.

Dr. Kenny urged senators to write to the task force, to the minister of state, the minister of finance, and to the prime minister. "I urge you to make your views known," he said.

Convocation senator Mary Bishop said the support of university women's clubs should be sought. She said there were a thousand members of the University Women's Club of Vancouver, and they were graduates of 45 universities.



UBC horticulturalists Elaine LeMarquand, left, and Margaret Coxon put the finishing touches on the UBC Botanical Garden's display at the 1981 Home and Garden Show which continues until Sunday (March 8) at the Pacific National Exhibition. Garden staff will provide free advice on plant propagation and invite you to bring samples of any plant problems.

NEW AWARDS

Beta Mothers' Auxiliary Award — An award in the amount of \$250 has been made available by the Mothers' Auxiliary of Beta Theta Pi Fraternity. The award will be made to the neophyte Beta who, in his first year in the fraternity, has demonstrated to the Selection Committee appropriate standards of scholarship, university activity, and service within the fraternity.

British Columbia Society of Orthodontists Charles C. Craig Memorial Scholarship — A scholarship in the amount of \$300 has been established by the B.C. Society of Orthodontists in recognition of the valuable contributions of Dr. Charles C. Craig to UBC and to the field of Orthodontics.

Ruth S. Bryson Soroptimist Scholarship in Home Economics — A scholarship in the amount of approximately \$400, the gift of the Soroptimist Club of New Westminster, will be made available to a student entering first year in the School of Home Economics.

Burnaby Public Library Picard Memorial Bursary — A bursary in the amount of \$500 has been made available by the Trustees of the Burnaby Public Library, in memory of Marcelle Lucienne Eleonore Picard. The award will be made to a student entering second year in the School of Librarianship, in need of financial assistance, and demonstrating a particular interest in public librarianship.

W.G. Mitchell Memorial Service Scholarship — A scholarship in the amount of \$1,000 will be awarded

annually by Thorne Riddell, to a graduate student entering the first year of the MBA or M.Sc. program, and who has expressed an interest in pursuing a career in Chartered Accountancy. An offer of summer employment between the first and second year of the program is included if the student is interested.

George L. Pickard Scholarship in Oceanography — This scholarship in the amount of approximately \$300 has been endowed by Dr. Pickard's many friends, colleagues and former students, on the occasion of his retirement in 1979. The award will be made to a student who has completed at least two years of graduate studies and who has displayed outstanding originality and promise of success in studies involving two or more of the multidisciplinary areas of oceanography.

Jessie Richardson Scholarship — An annual scholarship in the amount of approximately \$200 has been made available by her friends and colleagues in honor of Jessie Richardson's distinguished contribution to the development of theatre in British Columbia. The award will be made to a student entering the final year in the Department of Theatre who, in addition to achieving a high standard in Theatre Studies, has contributed generously and effectively to the department's program of stage production.

Suncor Fellowship in Business Administration — A fellowship totalling \$10,000 per annum has been made available for a three-year period commencing in the 1981/82 academic year, by Suncor, Inc. The award will be made on the recommendation of the faculty to a student in a doctoral program in the Faculty of Commerce and Business Administration.

Kimmy Y.C. Tong Memorial Bursary — As a memorial to Kimmy

Y.C. Tong, who was a third-year student in Music at the time of her death in 1980, a bursary of approximately \$400 has been established for an undergraduate Music student majoring in General Studies, normally with concentration in piano.

UBC Association of Administrative and Professional Staff Scholarship — The Association of Administrative and Professional Staff at UBC has established a scholarship in the amount of \$500 for students beginning or continuing full-time studies at this university. Applicants will be considered in the following order: (1) children or spouses of AAPS members (2) AAPS members who have enrolled part-time in credit courses at UBC in the past year and are proceeding to a year of full-time studies.

Don Wright Scholarship in Music Education — This scholarship in the amount of \$500 has been established by Mr. Don Wright with the aim of strengthening instrumental music in the schools. The scholarship will be awarded to a full-time student in the music education program who has demonstrated a talent and achievement in the field of practical instrumental arranging and orchestration, with particular reference to music education.

Don Wright Scholarship in Vocal and Choral Music — This scholarship in the amount of \$500 has been established by Mr. Don Wright with the aim of strengthening the teaching of vocal and choral music in schools, especially in Grades 5 to 9. The scholarship will be awarded to a full-time student in the music education program who has demonstrated a special aptitude for vocal and choral music and the teaching of the same.

The new Library proposal

A major redevelopment scheme for UBC's library has been proposed to replace most of the antiquated Main Library building and to accommodate the collections and new growth anticipated for the next 10 to 15 years. At an estimated cost of \$49 million, the new library would encompass almost 500,000 gross square feet (350,000 net) and would provide study space for more than 1,000 users.

12 branches on campus

The original library was built in 1925-26. A north wing was added in 1948, and a south wing and stack expansion in 1960. Additions were made on an early plan featuring closed stacks.

During the 50s and 60s the system grew with the campus, solving space needs by way of decentralization. Now there are 12 external branches, and the Asian Studies branch soon to open, plus a Library Processing Centre.

The Main Library remains a serious problem. Overcrowded, wasting much space, costly to operate, and deficient under the building code in respect to fire, earthquake and other concerns, it needs replacement.

The problems of the Main Library cannot be resolved in a remedial fashion for they are too many and too severe. Meeting code requirements alone would result in a net loss of 50-60,000 square feet. At a minimum cost of \$5 million, such remedial work would still leave an overcrowded, space-prodigal, costly library, extremely wasteful of both financial and human resources.

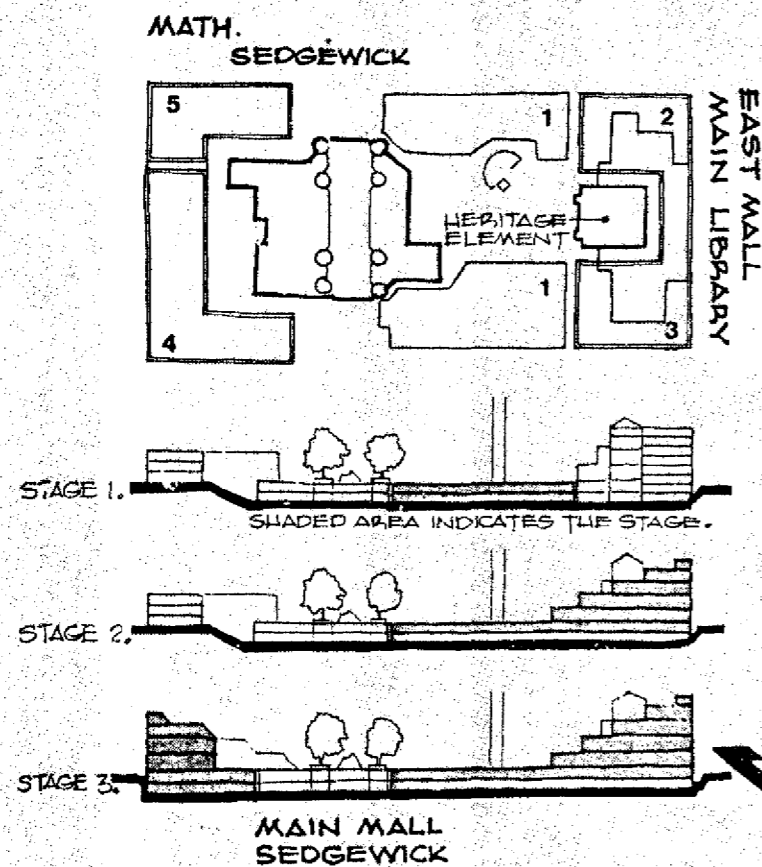
Designed for good service

The architectural concept for the Main Library redevelopment project is a response to the goals and objectives developed by the University. The plans provide for a new Main Library that is open, bright and service-oriented. The new structure will have eight floors with two sub-surface wings connecting to Sedgewick Library.

The original building will be restored and will become the hub of the new complex. Surrounded by a skylit atrium, stairs, ramps and entries will converge on its two lowest floors. Special Collections could be displayed in its grand hall.

The new building will surround the old part with terraced and landscaped wings on either side. The Library garden between the Main Library and Sedgewick will be expanded, thereby minimizing the impact of the new building. Paths and stairs will carry pedestrians over the underground floors of the Library and down into the space below the Clock Tower.

The pool west of the main entrance will be maintained in its present position. Viewed from the Main Mall, the Library will integrate to a considerable extent into the landscape.



Development stages. Stage 3 (4 and 5) shows longterm expansion possibility
Heritage, trees preserved

A major entrance will open off the East Mall.

An important feature of the design from the viewpoint of the campus is its looped concourse connecting East Mall to Main Mall. The existing entrance will remain and be connected by an additional stair to the main concourse and catalogue area. Handicapped users will have access to all areas by ramps or elevators.

The original greystone Library has won a place in the affections of many UBC people. Some see it as an attractive piece of architecture, some as an historical monument. (Others condemn it for its shortcomings, but they are a minority.)

There is a general agreement that the Library is both literally and figuratively the heart of the University. The feeling is prevalent that the original structure should be preserved.

The design concept chosen focuses on the original library, as on the stone in a ring. It is set off with space so that it can be fully seen. The strengths of the structure would be emphasized

and its qualities augmented.

Landscaping

A major policy directive in the development of the design concept was that the open space between the Main and Sedgewick Libraries must be maintained, the major trees preserved and existing pedestrian routes improved.

A firm of landscape architects was commissioned to survey the trees in the area, identify those of importance that could not be moved, those that could be relocated, those that could and should be replaced, and those of no particular value.

The design of the building has made it possible to retain all but one or two of the major trees in place, and to enhance the green space between the libraries. Most of the shrubs and other plants will be replaced.

Better pedestrian routes are provided by creating two mall routes through the buildings in addition to outdoor pathways over the underground structure.

Precise staging will be critical

The proper location for a central library to serve the campus is right where the Main Library is now. This imposes a stringent condition on central library development. To keep all parts of the Library in full service during the years of construction, the whole plan has to be synchronized and staged in precise detail. The staging plan provides for:

1. 110,000 net square feet of new space is built in the form of two sub-surface links connecting with Sedgewick.
 2. The occupants of the north wing of the Main Library are relocated, that wing and part of the stacks demolished and rebuilt to a new plan.
 3. The occupants of the south wing are relocated, that wing and the remainder of the stacks demolished and rebuilt.
 4. The original Library is renovated.
 5. Some relocation and internal readjustment is made.
- At best - barring slow approvals, materials shortages, strikes, mistakes, natural disasters - the process will take at least seven years.

Function, Growth and Change

The proposed facility will be zoned in such a way that most of the public areas and highly-used functions are located off the main concourse and

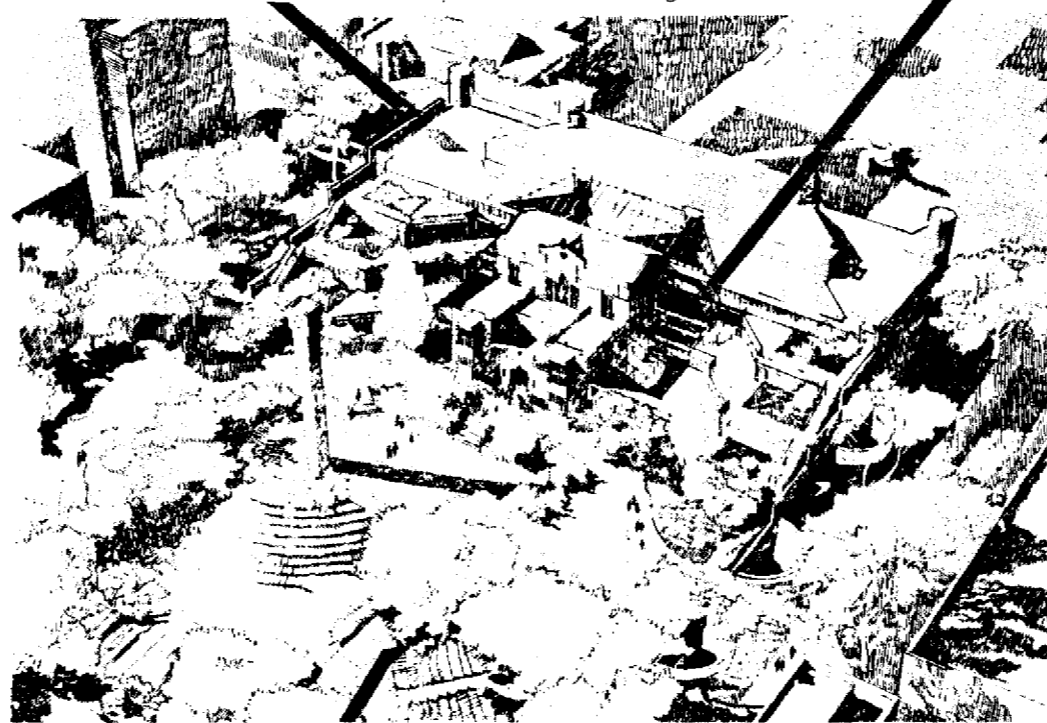
pedestrian mall. The lowest floor, on the same level as Sedgewick's stack level, will serve as the principal stack and study area. Natural light will come from skylights.

The central information point will be in the original Library, directly visible and accessible from both the present main entrance and the new entrance off East Mall. All other floors will step back towards the east from the third floor at ground level to the mechanical penthouse on the seventh floor. Open plan and large structural spans allow for flexible space for internal layout and will respond to the changing needs and modes of library service and operations.

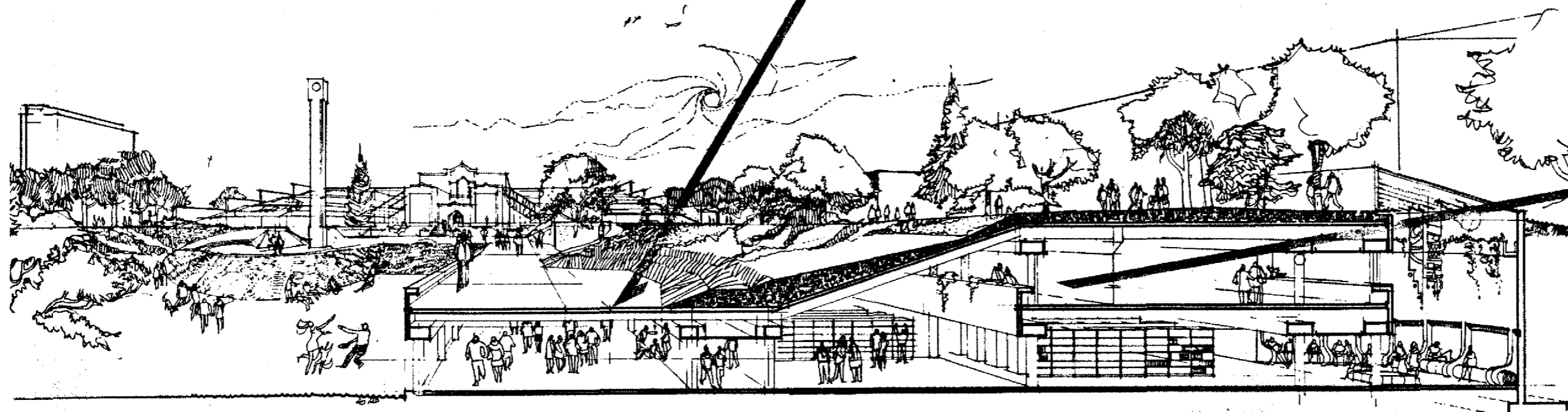
Opportunities

The new Library will make it possible to bring some smaller branches back into the central building, and to deploy staff more effectively. Although capital costs will be high, the pay-off is expected to come about through better utilization of land, space, energy, staff and operating funds. It will be possible to provide better services in a larger building at minimal additional cost.

The new building should look after collections growth till the last years of the century. In the 21st century, the building could be expanded west of Sedgewick.



Overall view of the proposed development



Sectional view of south link between Sedgewick and Main, looking toward Main Library



View of atrium space around heritage building as seen from the stack level looking toward East Mall entrance

Collections beyond value

The Library collections are rich in resources covering the broad range of UBC's teaching and research interests. Having been systematically developed for 65 years they contain much material that is no longer available at any price. Their real value is incalculable, but for insurance purposes the valuation exceeds \$160 million.

Bound books and journals, the backbone of the collections, number 2.2 million volumes. Material in other formats - microforms, documents, recordings, films, maps, etc. - amounts to 3.2 million items.

The collections grow by a quarter-million pieces every year. This continuous development is a necessary condition of keeping the Library a vital tool, responsive to the current and changing needs of its users.

It takes a lot of space to accommodate large working collections in a flexible, expandable arrangement in which users can find their own way. And the apparatus needed for use of some formats is also very space-consuming.

Each year, despite the development of other ways of presenting information and ideas, more books are produced than the previous year. The estimate for 1981 is some 600,000 titles issued from the world's presses.

Library is a provincial resource

The main attraction of the UBC Library for the people and organizations of the province is its collections. Built for a major research university, those collections are of use and interest far beyond the campus.

In the absence of a "Provincial Library", individuals, organizations and other libraries turn to UBC for the needs they cannot satisfy from their own resources.

* Members of the public routinely use the collections, facilities and services on the premises.

* Faculty and graduate students of other B.C. universities and colleges borrow materials directly.

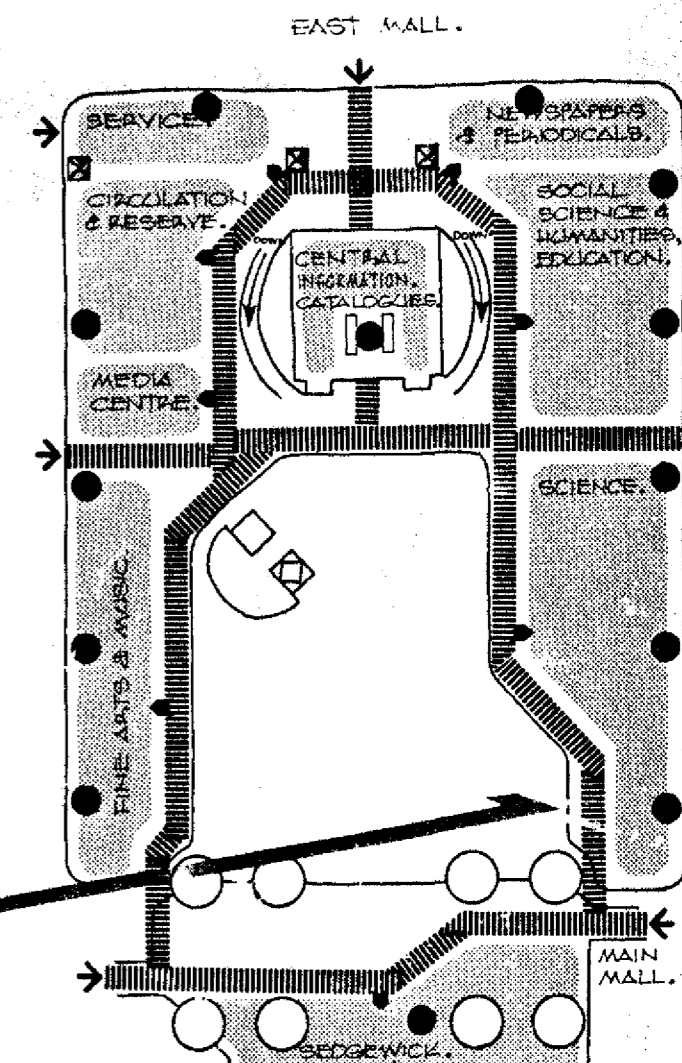
* Other persons and firms, on payment of a modest annual fee, borrow directly.

* Through interlibrary loans people throughout B.C. and elsewhere borrow from UBC.

* UBC Library and its staff have played major roles in the development of co-operative and networking arrangements in the province.

* Collections policies of other libraries particularly at post-secondary institutions, are predicated on UBC's extensive holdings.

The UBC Library has come to be, in practice but without official acknowledgement, a provincial library, a back-up to all other libraries in B.C., and a regional "library of last resort."



- LEVEL 2 → BUILDING ENTRANCE.
- STAIRWAYS.
- ⊠ ELEVATORS.
- ▶ UNIT ENTRANCE.
- PEDESTRIAN CIRCULATION.

Main floor plan showing circulation pattern and suggested layout

Income seminars planned

Two public seminars related to the controversial idea of a guaranteed annual income will be held at UBC on March 12 and 13.

The overall policy implications of a three-year experiment in Manitoba with a guaranteed income will be discussed by Prof. Derek Hum, a University of Manitoba economist who was a key figure in the federally funded experiment.

Prof. Hum will speak on Thursday, March 12, at 3:30 p.m. in Room 102 of the Buchanan Building on the Manitoba experiment, which saw several hundred low income people receive income supplements from 1976 to 1978.

UBC economist Prof. Robert Clark, who has organized the seminars, said the Manitoba scheme was "the most sophisticated research experiment ever tried in this controversial field in North America. While the experiment was virtually completed, the results have not been published."

Among other things, he said, the experiment was designed to test how the guaranteed income affected an individual's incentive to seek work.

The policy implications of a credit income tax, an alternative to the guaranteed income proposal, will be discussed at a second seminar to be given on Friday, March 13, at 3:30 p.m. in Room 102 of the Buchanan Building by Prof. Jonathan Kesselman of UBC's Department of Economics.

General discussion will follow the presentation of both papers.

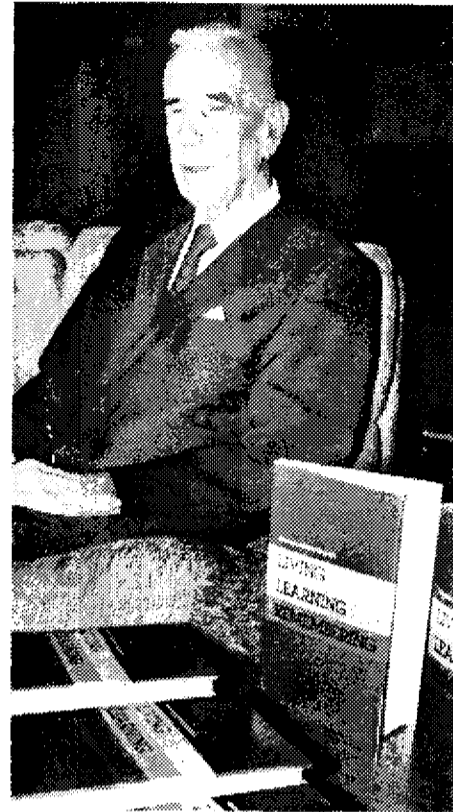
Living, Learning, Remembering

Robert England, *Living, Learning, Remembering*, Vancouver, UBC Centre for Continuing Education, 1980, 209pp., \$10.

This book contains the memoirs of Robert England, an outstanding Canadian who has had many connections with British Columbia over the years and who now lives in retirement in Victoria.

England has written many books and articles in his lifetime, most of them scholarly ones, on aspects of his work and on enterprises with which he has been connected. Best known among these are *The Colonization of Western Canada*, about immigration into the prairie region and settlement programs in the new communities there (1937); and *Discharged*, published during the Second World War and laying groundwork for the program of veteran rehabilitation with which he had so much to do. But his latest book is different. It is a highly personal record of a long and productive life, of motivating ideas, projects undertaken, people known and places visited.

This reviewer, having a particular interest in the field of adult education, is greatly impressed with the concern for adult education and adult development which runs as a thread or theme through England's life. Involvement in adult education in terms of classes and programs is a minor part of the story but is represented here in various forms, most notably for us at UBC in terms of England having been the first director of our Extension Department (1936-37). He remained in that post for only a year, but during that time set the direction for much subsequent



Robert England

development.

But England's main contributions to Canadian society have been elsewhere, in the broader field of social policies and services. They have had an important impact on our national development. As a young man, he and his wife were pioneers in the "lighted schoolhouse" movement in Saskatchewan, turning their small rural school into a cultural and social centre for the whole community. For most of the following decade he worked with the CNR, being concerned with the recruitment of immigrants in Europe and the

program of social development for immigrant communities in Western Canada.

Soon after his time at UBC, he was drawn into the orbit of the federal government, his three great contributions there having to do with the organization of the Canadian Legion Educational Services, the creation of the rehabilitation program for veterans of the war (including particular reference to the universities' role in this work) and the organization of the Citizenship Branch of the government, leading to the Citizenship Act of 1947.

One of the unique dimensions of Robert England's life has been the extent to which he has been an "insider" in terms of the workings of large corporations and the federal government, and yet has made such leading and continuing contributions to the development of voluntary services of many kinds, the Boy Scout movement, local library activities, the Canadian Council on Education for Citizenship, the Canadian Association for Adult Education and many others.

As a nation, we have been slow in Canada to get around to doing justice to our social and cultural history. Robert England's career has been concerned with a number of significant dimensions of that story since the 1920s. His many writings, including this latest, most personal volume, constitute important contributions to our knowledge of Canada, its people and its history.

Living, Learning, Remembering, like all England's writings, is a work of scholarship and contains much useful information. But it is more; it is a statement, expressed in terms of how a life was spent, of what is most to be treasured and worked for in the Canadian story.

Gordon Selman
Faculty of Education, UBC

Living, Learning, Remembering is available from the Publications Division of UBC's Centre for Continuing Education, 5997 Iona Drive, Vancouver, telephone 228-2181.

Students earned more, saved more in 1980

UBC students earned more and managed to save more in the summer of 1980, but only 21.7 per cent of male and 7.7 per cent of female students earned at least \$3,500, the estimated minimum amount necessary to finance a university year.

Figures compiled by UBC's Student Counselling and Resource Centre show

that median 1980 earnings for employed undergraduate men were \$3,551, an increase of \$282 over the 1979 median. This same group of male students reported mean savings of \$2,275, an increase of \$179 over 1979.

Women undergrads earned a median amount of \$2,469 in 1980, an

increase of \$266 over the 1979 median. Women undergrads reported mean savings of \$1,621, up \$170 over 1979.

As in the past, students in Forestry and Applied Science reported the highest median earnings. Nearly 29 per cent of the students — 32.2 per cent of the women and 24.6 per cent of the men — said they had a part-time job during the winter session.

UBC CALENDAR

UBC Calendar Deadlines

For events in the weeks of March 22 and March 29, material must be submitted not later than 4 p.m. on March 12.

Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building). For further information, call 228-3131.

The Vancouver Institute.

Saturday, March 7

The State of the Welfare State. Prof. Robert Leaper, C.B.E., Social Administration, University of Exeter.

Saturday, March 14

New Frontiers in Biofeedback and Behavioral Medicine. Prof. Gary Schwartz, Psychology, Yale University.

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

SUNDAY, MARCH 8 B.C. Gardens.

Eighth in a series of CBC television programs featuring the UBC Botanical Garden as an anchor point for a province-wide look at horticulture. Hosts: David Tarrant, Botanical

Garden educational co-ordinator, and CBC personality Bob Switzer. Today's program looks at Nitobe Garden. CBC, Channel 3, 3:00 p.m.

Hillel House.

Speaker Lynn Gottlieb, storyteller in the ancient tradition of chanting, sign language and movement to relate stories inspired by biblical sources and inner imagination. For more information, call 228-4748. Temple Shalom, 4426 W. 10th Ave. 7:30 p.m.

Guest Artist Josef Suk.

Music of Mozart, Brahms, Dvorak and Beethoven. Josef Suk, violin, and Jane Coop, piano. Recital Hall, Music Building. 8:00 p.m.

MONDAY, MARCH 9

Cancer Research Seminar.

Persistent Rubella Virus Infection in CNS. Diane Van Alstyne, Neurology, UBC. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12:00 noon.

Planetary Economics Series.

Niagara for Sale. Room 308, Library Processing Building. 12:30 p.m.

Lectures Committee Lecture.

Protecting Women or Preserving the Family? The Campaign for Protective Labor Legislation in France, 1874-1914. Dr. Mary Lynn McDougall, Women's Studies Programme, SFU. Room 204, Buchanan Building. 12:30 p.m.

Political Science Lecture.

The Soviet Role in the Mideast Conflict. Prof. Theodore Friedgut, Hebrew University of Jerusalem. Room 102, Buchanan Building. 12:30 p.m.

Exceptional Person's Week.

Keynote speaker: Jill Kinmont (12:30 to 1:30 p.m.) in the Ballroom, Student Union Building. Wheelchair tour of UBC: (1:30 to 2:30 p.m.) leaves from the foyer of the Student Union Building. For more information, call 228-4942.

Human Nutrition/Home Economics Lecture.

Dietary Allowances and Dietary Guidelines. Dr. Alfred E. Harper, University of Wisconsin. Lecture Hall 2, Woodward Instructional Resources Centre. 1:30 p.m.

French Lecture.

Situation de la Langue Francaise au Quebec. Prof. J.D. Gendron, directeur, Centre du Bilinguisme de l'Universite Laval. Penthouse, Buchanan Building. 3:30 p.m.

Applied Mathematics Seminar.

Eigenvalue Problems on Infinite Intervals. Dr. Peter Markowich, Mathematics Research Center, Madison, Wisc. Room 203, Mathematics Building. 3:45 p.m.

Astronomy Seminar.

A Crisis in the Theory of Stellar Evolution. Dr. Icko Iben, Jr., Astronomy, University of Illinois. Room 318, Hennings Building. 4:00 p.m.

Lectures Committee Seminar.

Toxico Dynamics and Toxico Kinetics. Dr. Frederick Sperling, professor emeritus, Pharmacology and Toxicology, Howard University, Washington, D.C. Auditorium, B.C. Research Building. 5:00 p.m.

Home Economics Lecture.

National Nutrition Policies and Dietary Guidelines for the Public. Dr. Alfred E. Harper, Biochemistry, University of Wisconsin. Lecture Hall 2, Woodward Instructional Resources Centre. 8:00 p.m.

Centre for Continuing Education Lecture.

Otello. Prof. French Tickner, Music, UBC. Admission is \$5. Room 339, Music Building. 8:00 p.m.

TUESDAY, MARCH 10

Asian Research Noon-Hour Series.

Islam. Room 106, Buchanan Building. 12:30 p.m.

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