

## 146 ACRES ALLOCATED FOR RESEARCH

# UBC to Develop 60-Acre Botanical Garden

The University of B.C. has allocated 60 acres of campus to the development of a major arboretum and botanical garden, President John B. Macdonald has announced.

### SOUTH CAMPUS DEVELOPMENT

The land includes 14 acres of already developed garden and park and 46 acres of undeveloped land. A 4¼ acre area now known as the arboretum and rock garden will be phased out over three to five years as moveable trees are shifted to new areas under development, the President said.

Dr. Macdonald also announced that 146 acres of undeveloped land at the south end of the campus

has been allocated in 21 tracts, ranging from 2 acres to 17 acres for field and research work in agriculture, forestry, pharmacy and the sciences, sites for the relocation of the B.C. Research Council, for a projected \$13 million nuclear research centre (TRIUMF)—see story on page seven—and a project under study by the National Institute of Astronomy.

"The Board of Governors has accepted the recommendations of the Academic Landscape Development Committee in making these highly significant long-term allocations of one-third of the campus," Dr. Macdonald said.

"The committee consists of members of the University faculty who are among the most expert in

the area of arboretum and botanical garden development, and whose academic areas will be the most involved in the use of all the land allocated for teaching and research.

### FAVORABLE CLIMATIC AREA

"The campus has long been recognized as one of the most favorable climatic areas in the world for an arboretum and botanical garden. The areas allocated are considered the most favorable on the campus for this purpose.

Please turn to page four  
See DEVELOPMENT CONSISTENT



# UBC Reports

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JUNE-JULY, 1966

## START MADE ON HEALTH CENTRE

### Commerce Dean Named

Curriculum changes to cover advances in methods of business analysis have been forecast by UBC's new dean of commerce and business administration, Philip H. White, 41.

Dean White also foresees the offering of a doctorate in business administration by his faculty. Only one Canadian university, Western Ontario, now offers a Ph.D. in business administration.

Dean White succeeds Dr. G. Neil Perry, who resigned the deanship last September to become provincial deputy minister of education.

### DEGREES FROM LONDON

Dean White has been professor and head of the division of estate management within the faculty since coming to UBC from Britain in 1958. He has been engaged in teaching and research in the areas of land appraisal, land economics and development, financing, taxation and investment. He holds the degrees of bachelor and master of science (estate management) from the University of London.

In Canada, Dean White has served on a number of commissions and committees concerned with land use and evaluation, and written papers on local taxation practices and the mortgage market. He is a regional vice-chairman for British Columbia of the Canadian Housing Design Council.

During the 1965-66 year, the faculty of commerce had 36 members and enrolled 899 students, increasing from 760 in 1964-65.

"Like most institutions in our society, the faculty is undergoing change," Dean White said. "We are confronted with a rapid rise by almost one-half in the last two years in our undergraduate enrolment, yet there is an urgent need to make substantial changes in the curriculum.

### NEW METHODS

"These changes are required to incorporate the new methods of analysis and skills in business administration and to reflect the higher standings of those entering the University.

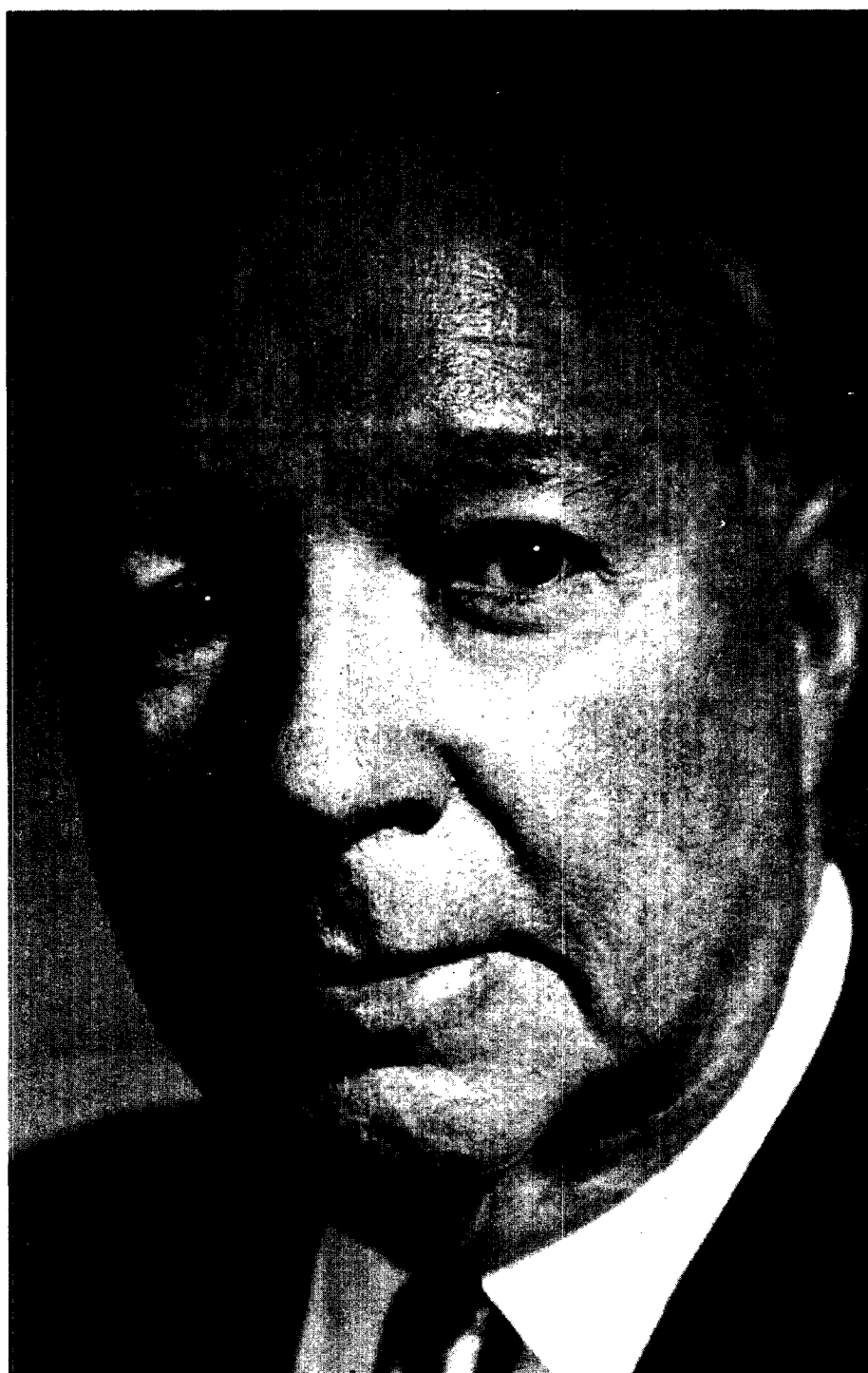
"In our graduate program, enrolment is also expanding rapidly and the curriculum is in need of revision for the same reasons that have prompted changes in the undergraduate course.

"Furthermore, we need to provide a doctoral program in business administration. An aspect seldom men-

Please turn to page seven

See

EXPAND GRADUATE STUDIES



CHANCELLOR JOHN M. BUCHANAN

### AS UBC'S CHANCELLOR

## J. M. Buchanan Installed

Mr. John M. Buchanan, a member of the University of B.C.'s 1917 graduating class, was installed as Chancellor of the University June 3, the final day of UBC's spring congregation.

B.C.'s Lieutenant-Governor, The Honourable George R. Pearkes, administered the oath of office to Mr. Buchanan, who will hold office for three years.

The announcement of Mr. Buchanan's election to the chancellorship

came on May 25 following a meeting of the UBC Senate.

Of the 11,955 votes cast by the Convocation, Mr. Buchanan received 9,283. The other candidate for the post, UBC graduate student Randall K. Enomoto, received 2,625 votes. There were 47 spoiled ballots.

At the June 3 ceremony, Mr.

Please turn to page two

See FIFTEEN SENATORS ELECTED

Construction of stage one of UBC's Health Sciences Centre—facilities for psychiatric treatment—has begun.

A \$3,437,517 contract was awarded June 29 to Frank Stanzl Construction Limited to enable construction to start July 1 as stipulated by the Mr. and Mrs. P. A. Woodward Foundation, which provided an initiating \$4 million gift toward the centre.

The psychiatric accommodation will contain 60 beds and will be part of the 410-bed teaching, research and referral hospital which is the core of the Centre.

The Centre will incorporate a total of 1,200,744 square feet of developed space, ranging from operating rooms to parking areas.

### ESTIMATED COST

Asked about the estimated cost of the entire UBC Health Sciences Centre, President John B. Macdonald said:

"The estimated cost of the completed teaching hospital and associated structures is \$36 million, or \$35 a square foot.

"This relatively high cost per square foot is attributed to the complexity of the buildings which incorporate many modern features unique to this teaching hospital.

Costs have also been influenced by rising construction costs in Canada. The estimates are entirely in line with those of other teaching hospitals built recently on this continent."

Dean of Medicine John F. McCreary said: "The University of B.C. Centre will inaugurate a pioneering concept of integrated teaching of all the medical disciplines. We believe the centre will have for a period of time the most modern teaching facilities for the health professions anywhere in the world.

"It will also provide a referral centre to which doctors all over British Columbia can send patients with exceptional medical problems.

### STUDY TOGETHER

"Most medical schools are designed primarily to train doctors and certain supportive groups, such as nurses. Of the 1,400 students in the Health Sciences Centre, only 320 will be training as doctors. The others will include those studying dentistry, dental hygiene, pharmacy, nursing, clinical psychology, social work, rehabilitation and other related disciplines.

"Students will learn together, work together, eat together and share social life. It is believed they will graduate with understanding and appreciation for the particular skills of those in each of the other fields. For the first time under a system of this kind, we will be developing a true medical team.

"This approach is essential if we

Please turn to back page

See HOSPITAL INCLUDES



AMS PRESIDENT Peter Braund, right, presented a scroll to UBC's retiring Chancellor, Dr. Phyllis G. Ross, during April at a ceremony in Brock Hall. Past AMS president Byron Hender, left, also took part. Mrs. Ross retired as Chancellor on June 3.

## SCROLLS PRESENTED

# AMS and University Honor Chancellor Ross

UBC's former chancellor, Dr. Phyllis G. Ross, was honoured by the University and its students prior to her

retirement on the final day of spring congregation June 3.

### TEXT OF SCROLL

President John B. Macdonald presented a scroll to Dr. Ross on behalf of the University at the June 3 congregation. It read as follows:

"As a member of the Senate and the Board of Governors of the University of British Columbia for many years, and as Chancellor of the University from 1961-1966, Dr. Phyllis Ross has devoted to its welfare those qualities of mind and character that had already found expression in an outstanding career of service to community and nation. Her concern with maintaining traditions and standards has not only given meaning to the distinction of high office, it has also revealed itself through active participation in the work of committees engaged in the shaping of University policies, and through the sincerity and eloquence of her congregation addresses. The warmth of her unfailing interest in the hopes and needs of students has been equalled only by her graciousness as the representative of the University to the world at large. Proud of her achievements as a distinguished alumna, the University is even more grateful for her affection and loyalty, for her valued contributions to its life and work, and for her inspirational and continuing confidence in its growth and destiny."

In replying, Mrs. Ross said she would value the scroll and the sentiments it expresses "as a most precious reminder of my years as Chancellor of this great University, and as one of the proudest moments in my career."

### AMS PRESENTATION

In April the Alma Mater Society also presented a scroll to Dr. Ross. It read:

"To a citizen who has exemplified the ideals of excellence which fifty successive years of UBC students have striven for.

"To a graduate who, as student, as alumnus, and as Chancellor has contributed immeasurably to the quality of student life at the University of British Columbia.

"To an individual whose friendship this student body values and whose association with us we hope will continue into the future.

"A grateful student body takes this occasion to express its appreciation for your service."

## Record 2324 Students Get Degrees

A record 2,324 students received their degrees at UBC's three-day spring congregation in the War Memorial Gymnasium June 1-3.

In addition, some of the 869 students who completed their degree requirements last fall walked in procession and received their degrees from Chancellor Phyllis G. Ross.

### GRADUATES UP

The number of spring graduates was up by 215 students from a 1965 total of 2,109.

A feature of the ceremonies was the increased number of students who had completed degrees in graduate studies. A total of 233 students received graduate degrees (up from 152 in 1965), including 64 Ph.D.'s, an increase of 11 over last year.

Honorary degrees were conferred June 1 and 2 on:

Mr. Alexander Y. Jackson, one of Canada's foremost painters and a founding member of the renowned "Group of Seven" school of Canadian painting;

Miss Martha E. A. Moscrop, of Vancouver, internationally-known for her pioneering studies in the field of social work;

Mr. Loyd A. Royal, director of investigations for the International Pacific Salmon Fisheries Commission in New Westminster;

### NOBEL PRIZE WINNER

Sir John Carew Eccles, professor of physiology at the Australian National University and a 1963 Nobel Prize winner in medicine for his research on nerve cells;

The Honourable Paul Martin, Secretary of State for External Affairs in the federal government, and

Dr. G. Neil Perry, deputy minister of education for British Columbia and former vice-president and dean of the faculty of commerce and business administration at UBC.

## COMMENT

By Dr. John B. Macdonald

## Private Donors Can Reward Quality

An extract from a recent letter written by the President to Dr. Hans Rosenhaupt, director of the Woodrow Wilson National Fellowship Foundation, Princeton, N.J.

Few people would question the desirability of providing the maximum in educational opportunity to all who can make good use of it, but the quantitative considerations tend to smother concern for quality.

Twenty years in an environment of expansion has made many administrators and faculty prone to judge success in quantitative terms. How many more students and alumni? How many more faculty? How many new buildings? How fast have salaries increased? How much have the government grants grown?

### REGRETTABLE CRITERIA FOR JUDGEMENT

These criteria obviously are important but it is regrettable when such questions become the principle or only bases for judgment or the starting points for establishing policy.

When this happens, quality will suffer. The university may be tempted to apply low standards of admission in order to grow faster, in order to attract larger government grants, in order to employ more faculty, and justify larger library expenditures, etc. all for the purpose of being bigger and therefore more prestigious and more influential. Departments sometimes insist on compulsory courses resulting in large enrolments, at least in part to justify a larger faculty in their particular field.

On the other hand, universities may find it hard to persuade governments to provide more support simply to improve the institutions qualitatively.

Quality is less tangible and less susceptible to mensuration than quantity. These pressures in the relationships between universities and governments are by no means universal, but they are widespread. They point to the area of greatest value for the work of foundations or other private supporters of higher education.

### ROLE OF THE PRIVATE DONOR

The private donor can more easily reward quality. He can endow a chair, or provide adequate fellowships to the best students, or support the work of an outstanding individual or department or help develop enriched teaching programs, or underwrite student exchange plans, or encourage inter-disciplinary enterprises.

All of these examples are ways of making the university better, rather than just bigger. If public universities are to perform as they should, quality will have to be given as much attention as quantity. The greatest hope for more attention to quality lies in enlightened attitudes and policies of the private friends of public institutions.

## FROM PAGE ONE

# Fifteen Senators Elected

Buchanan succeeded Dr. Phyllis G. Ross as Chancellor.

As Chancellor Mr. Buchanan is a member of the Senate, an ex officio

member of the Board of Governors and chairman of Convocation, made up of all UBC graduates and members of the faculty.

Mr. Buchanan received his bachelor of arts degree from UBC in 1917 and was a student at the B.C. branch of McGill University for two years before UBC opened its doors in 1915.

He is best known for his long association with British Columbia Packers Ltd. which he joined in 1928 as an internal auditor. He was with the company until his retirement in 1964 and served as vice-president, general manager, president and chairman of the board.

He is a former president of the Fisheries Council of Canada and chairman of the Fisheries Association of B.C.

Mr. Buchanan was a participant in 1951 in early meetings relative to the formation of the International North Pacific Fisheries Treaty and was a member of the Commission established under the Treaty from 1954 to 1964.

He was president of the UBC Alumni Association in 1949-50 and a member of the UBC Senate and Board of Governors from 1951 to 1957.

In 1951 the UBC Alma Mater Society presented the Great Trekker Award to Mr. Buchanan for his continuing contribution to University affairs.

The fifteen Senators elected by Convocation for three-year terms are as follows (in alphabetical order): Mr. Richard M. Bibbs, West Vancouver; Mr. David M. Brousson, West Vancouver; Mr. F. James Cairnie, North Vancouver; Mr. Charles M. Campbell, Jr., Vancouver; Mr. John Guthrie, Prince George; Mr. J. Stuart Keate, Vancouver; Dr. Hugh L. Keenleyside, Vancouver; Mr. Stuart S. Lefaux, Vancouver; Mr. David F. Manders, Lytton; Mr. Donovan F. Miller, Vancouver; Mr. Justice James A. Macdonald, Vancouver; Mrs. Hugh J. MacKay, Revelstoke; Mr. J. V. Rogers, Trail; Mrs. B. E. Wales, Vancouver; Mr. David R. Williams, Duncan.

## Summer Program Launched

More than 6,000 students are expected to register for UBC's 47th academic summer session July 4-August 19.

The full-time teaching staff of nearly 250 persons includes 63 visiting faculty members from other parts of Canada, including 40 from the United States, seven from England, and one each from France and the West Indies.

Bulk of the students registering for the academic program will be school teachers improving their teaching qualifications.

In addition to the academic program, UBC's extension department will offer a variety of non-credit courses in continuing education for adults.

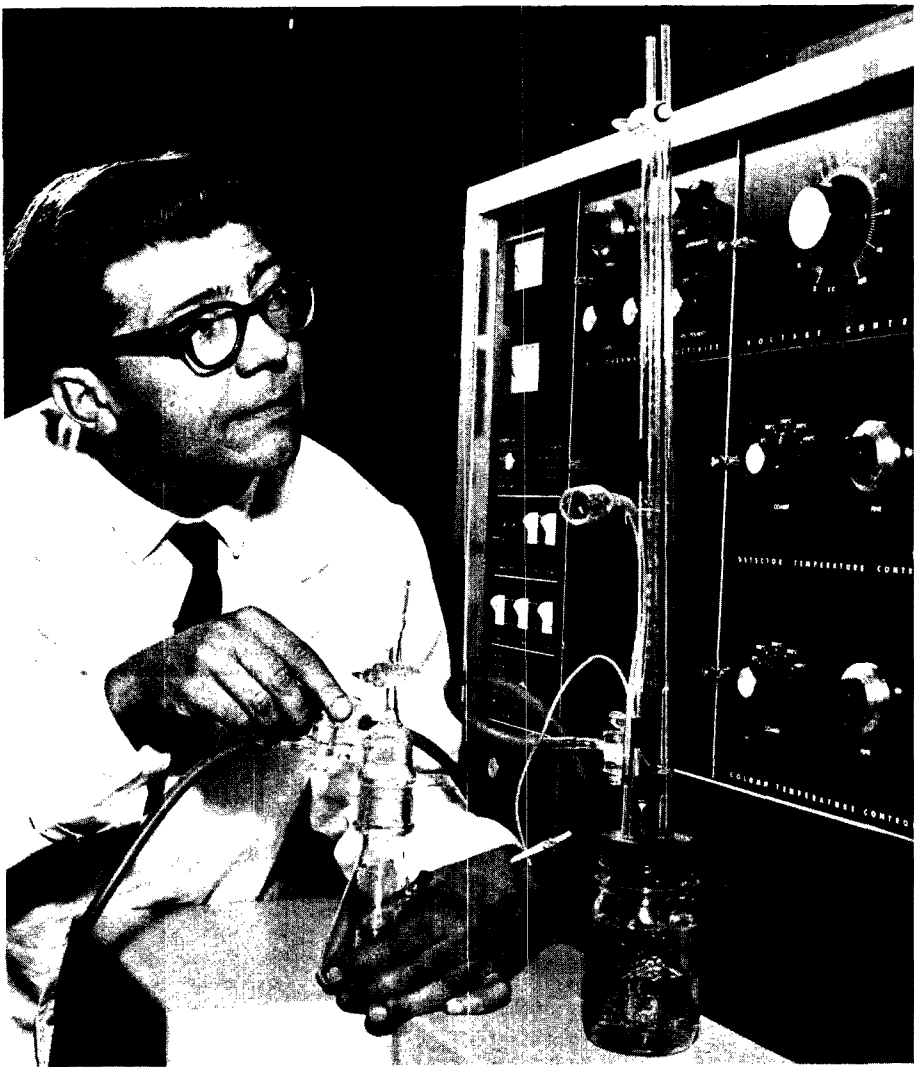
Nearly 2,000 persons are expected to register for the extension program which includes courses on the archaeology of B.C. and a four-day seminar on India and its problems as a developing nation.

Other programs include beginning, intermediate and advanced French conversation, two fine arts lectures on the Vancouver Festival production The Threepenny Opera, five weekly affairs lectures, three art workshops and a course on film production.

A diploma program in adult education, designed for those who wish to administer adult education programs without a graduate degree is being offered for the first time this year.

A twelve-day residential workshop on emotionally deprived children to explore their needs and develop appropriate instructional material and methods will be held on the campus August 1-12.

Full information regarding the non-credit program is available from the extension department offices.



DR. LEROY WULLSTEIN, of UBC's faculty of agriculture, has discovered a never-before documented chemical reaction which explains why millions of dollars worth of nitrogen is lost annually to farmers. Dr. Wullstein is shown adjusting an electrolytic respirometer used for study of soil and bacteria. The large machine is a gas chromatography unit which analyses the contents of the respirometer.

## NEW CHEMICAL REACTION

# UBC Agriculturalist Explains Nitrogen Loss

A UBC scientist has discovered a basic chemical reaction which will aid in understanding why thousands of tons of nitrogen representing millions of dollars are lost annually to farmers.

For the past six years, Dr. Leroy Wullstein of UBC's faculty of agriculture has been working on the problem, which is related to the nitrogen cycle, the basic process by which nitrogen in organic fertilizers is changed and utilised to promote plant growth.

### NITROGEN LOSS

Scientists have known since the 1920s that somewhere in this cycle there is a considerable loss of nitrogen from soils.

Not only has Dr. Wullstein pinpointed the place in the cycle where the reaction takes place, but he has found that free nitrogen is created as the result of a complex chemical reaction never before documented.

When bacteria attack organic material in soils they first create ammonia, then nitrites and finally, nitrates. Ammonia and nitrates are the material used by plants for growth.

Scientists have always thought that free nitrogen is created by the bacterial reactions involved in this cycle.

## History Teacher Awarded Grant

Dr. Philip J. Greven, an assistant professor of history at the University of B. C., has been awarded a \$700 research grant by the American Association for State and Local History of Nashville, Tennessee.

The grant will enable Dr. Greven to continue research on the early history of Andover, Massachusetts, a New England town near Boston.

The research material will be used in writing a book about 17th and 18th century family life in Andover. The same subject was the basis of Dr. Greven's doctoral thesis at Harvard University.

The grant was one of 16 totalling \$7,050 to applicants in Canada and the U. S. engaged in the research, writing and publication of local history.

7

UBC REPORTS  
JUNE-JULY, 1966  
VOLUME 12, No. 3

Dr. Wullstein's research has shown that this idea is false.

### REACT WITH METALS

His results clearly show that when the cycle reaches the point where nitrites are created these actually react with certain metals present in the soil to create large quantities of nitrogen gas which may be volatilized from the soil solution.

Dr. Wullstein's discovery will have basic and broad implications in a number of fields, including chemistry, biochemistry and agriculture.

For the chemist it means investigation of a hitherto unknown chemical reaction and since the mechanism of the reaction is now partially known agricultural researchers can concentrate on developing methods of preventing the nitrogen escape.

Dr. Wullstein is currently working on a method of chemical control which will minimize the nitrogen loss. He hopes that by reducing the activity of the metals naturally found in the soil the reaction which creates the free nitrogen will be dampened.

He cautions, however, that a delicate balance has to be reached in slowing down the reaction. Steps which would completely stop the metal-nitrite activity would almost certainly affect soil fertility.

The National Research Council of Canada has granted Dr. Wullstein \$10,000 this year for further research studies. Nature, the prestigious English publication, has already accepted a report of Dr. Wullstein's research for publication in the near future.

The bulk of Dr. Wullstein's research was carried out at UBC. Some of the soil analyses were performed at Oregon State University with the cooperation of Dr. C. M. Gilmour who has co-authored research papers on the subject with Dr. Wullstein.

### UTAH NATIVE

Dr. Wullstein is a native of Utah and a graduate of the University of Utah, where he received his bachelor of science degree in 1958, and Oregon State University, where he was awarded his master of science degree in 1961 and his Ph.D. in 1964.

He has been a member of the UBC faculty of agriculture since 1964 and last year was awarded a grant to participate in an international symposium on pesticides sponsored by the North Atlantic Treaty Organization in England.

# Three U's Cooperate in Cyclotron Design Study

Scientists representing the three public universities have been granted \$100,000 for a design study on a new cyclotron.

The grant, from the federal government's Atomic Energy Control Board, will be used in the next year by a team representing the University of B.C., the University of Victoria and Simon Fraser University.

### SEEK FUNDS

Following the design studies, the team will seek funds from the federal government to proceed with construction of a nuclear accelerator called TRIUMF, short for Tri-University Meson Facility. The project would cost an estimated \$13 million and could be completed by 1972.

The TRIUMF project would be located at UBC and would make British Columbia a major centre for nuclear research.

Dr. Erich Vogt, professor of physics at UBC and chairman of the design study group, said TRIUMF would represent a major step forward in development of nuclear accelerators and would pioneer new fields of nuclear research.

He said TRIUMF would be unique in that it would produce a thousand times more mesons than any present machine and its proton beam would have an intensity 1000 times greater

than anything presently available at this energy.

### UBC BUILDING

As a result, scientists working with the machine would be able to carry out many different kinds of nuclear experiments.

Included in the estimated \$13 million total cost is a \$3 million building which UBC will be asked to provide. The UBC Board of Governors has already allocated a five-acre site for the TRIUMF building in a new research area being developed at the south end of the campus. (See page 4).

Dr. Vogt emphasized that TRIUMF would be a cooperative project organized as a regional laboratory to serve equally the interests of scientists at the three west coast universities participating in the project.

TRIUMF would consist of a spiral ridge cyclotron, a large accelerator for the production of short-lived nuclear particles called mesons. The mesons produced by the machine will enable scientists to undertake fundamental research in the field of nuclear structure.

### NUCLEAR BEHAVIOUR

In addition to experiments in the field of nuclear physics and nuclear chemistry, TRIUMF would enable scientists to study the nature of mesons themselves and the forces between other elementary particles such as protons and neutrons. The meson beams could also be useful in medicine and biology.

Here is how TRIUMF would produce the elementary particles called mesons:

The first step is the production of negative hydrogen ions outside the cyclotron. This is done by an electrical discharge in hydrogen gas which generates negative ions.

These negative ions are then drawn off and brought into the middle of the cyclotron where they go into circular orbits. Here they are accelerated in a fraction of a second in a radio frequency field to an energy of 500 million electron volts (MeV).

During the acceleration process the electric charge of the ion is reversed by stripping off two electrons and at this point the ion stream becomes a proton beam.

### MESON BEAM

The protons are then curved out of the machine and a beam guiding system directs them at a target material, e.g., copper or carbon, to produce a meson beam. The mesons are produced when the proton beam bombards the nucleus of the carbon or copper.

The mesons, produced as a secondary beam, are then used to bombard a secondary target. The target, either an element or a compound, will vary according to the kind of experiment being carried out.

# Astronomy Institute Planned

Plans for construction of a National Institute of Astronomy on the UBC campus have been announced in Ottawa by the minister of mines, Hon. Jean-Luc Pepin.

The new Institute, which will include a \$1 million optical shop, will be constructed on a five-acre site in the new 146-acre south campus research area. (See stories on pages one and four).

Construction of the optical shop, which will grind the 154-inch mirror for a telescope at the new Queen Elizabeth Observatory near Osoyoos, will begin in September or October.

The building for the National Institute of Astronomy will be constructed within two years. The Institute will analyze the findings of astronomers working at the telescope site.

The new Institute will also enhance graduate studies at UBC. Senate approval will be sought for an expansion of studies in astronomy.

The form which the program will take is now under consideration in the faculty of science and graduate studies.

## FROM PAGE ONE

# Expand Graduate Studies

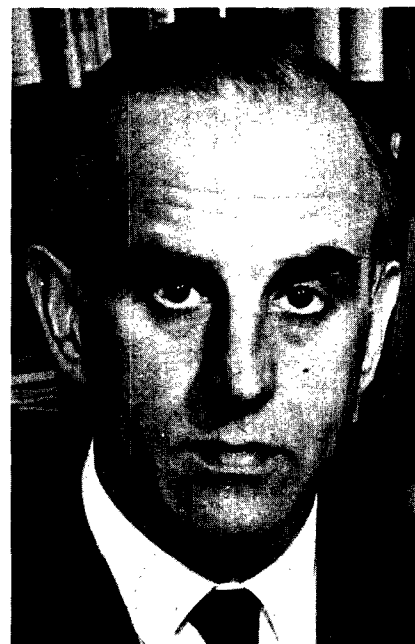
tioned in the continuous debate on the control and direction of Canadian business is that there is only one Canadian university offering studies in business administration beyond the master's level. The great majority of doctoral candidates are obliged to study abroad.

### MAKE CONTRIBUTION

"It is not narrowly nationalistic to provide these people with an effective choice between a Canadian university and one elsewhere. It is merely the kind of choice which should be characteristic of our society. As one of the largest faculties of commerce and business administration in Canada, we have a clear responsibility to make a contribution."

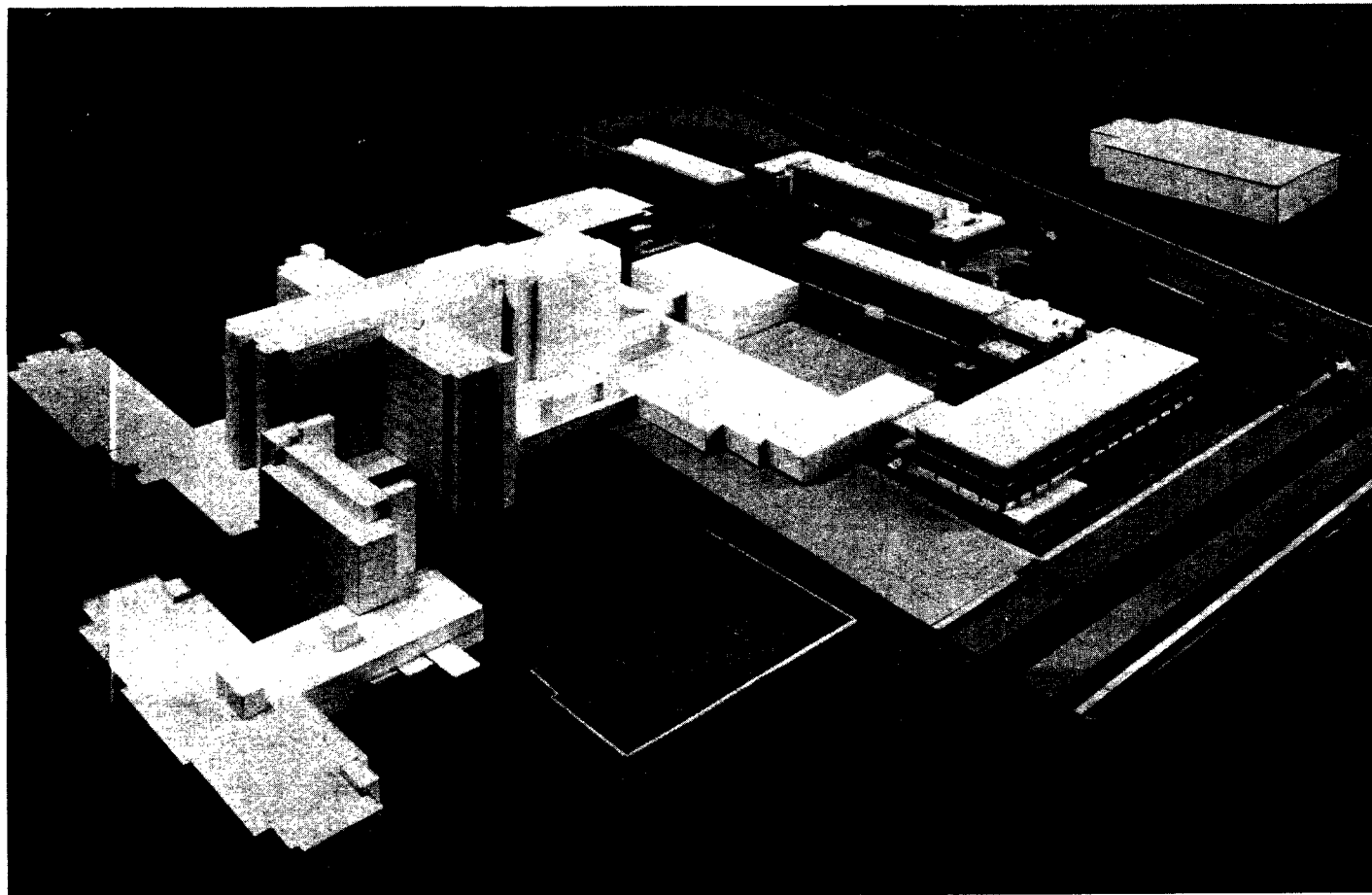
Born in Belper, Derbyshire, England, Dean White took his bachelor of science (estate management) in 1949, and his master of science (estate management) in 1951 at the College of Estate Management, University of London. He became head of the Valuation Department there in 1952.

His awards include that of Recognized Teacher of the University of London in Valuation and Taxation of Land and Buildings in 1955, and the Gold Medal from the Royal College of Chartered Surveyors, England, in 1961. Dean White is a Fellow of the Royal Institution of Chartered Surveyors and a Fellow of the Chartered Auctioneers' and Estate Agents' Institute.



DEAN PHILIP H. WHITE





CONSTRUCTION STARTED this week at UBC on the first phase of the Health Sciences Centre, shown in the architect's model above. The first phase of the Centre — accommodation for psychiatric treatment — is the wing at lower left in the model. The total Health Sciences Centre will be made up

of the solid white buildings, and will include a teaching, research and referral hospital for treating exceptional medical cases. The darker buildings at top right are either constructed or are under construction. The white building shown in outline across University Boulevard is the War Memorial Gymnasium.

CONTINUED FROM PAGE ONE

## Hospital Includes Latest Aids

are to meet the growing demands for medical care. We cannot educate enough physicians for many years to come. In many instances, disciplines trained in shorter time at lower cost than doctors will be able to take over work now done by doctors, allowing doctors to concentrate their energies and time on the most essential medical problems.

### HIGHLY SPECIALIZED

"Because of the highly specialized nature the cost of the centre cannot be compared with the cost of providing a community treatment hospital.

"The most important feature of the building is the inclusion of adequate and strategically-located teaching and research space within the patient service areas. This will eliminate the many difficulties and inefficiencies of under-spaced teaching hospitals of the past, and of teaching in what are

primarily community service hospitals — the necessity, for instance, of trying to conduct individual patient lec-

### Architects Cited

Two UBC architects and a graduate of the school of architecture have been honoured with citations of merit from the Architectural Institute of B.C.

The citations were given for projects completed during the past year.

Arthur Erickson, associate professor of architecture, received his citation for a house and Professor Wolfgang Gerson was cited for the design of the new Unitarian Church complex at 49th and Oak in Vancouver.

William R. Iredale, a 1955 graduate of the school of architecture, was honoured for the design of a new food plant in Vancouver. He is a member of the firm of Rhone and Iredale.

tures, seminars and so on in busy corridors, nursing stations and even broom closets."

Dean McCreary said that the centre will incorporate such modern advances as a computerized hospital information system to improve the recording and analysis of the conditions of patients, the use of video tape and TV in teaching, and many other concepts now under study and development.

### RESIDENCE ACCOMMODATION

It is also anticipated that the Centre will have under treatment many times the 410 bed patients. Though not included in present financing estimates, there is a general plan to provide low-cost temporary residence accommodation near the centre for many hundreds of patients able to visit it on a day basis for treatment.

### DEAN COWAN JOINS U.S. COMMITTEE

Dean of Graduate Studies Ian McTaggart Cowan has been appointed as the only Canadian member of a top wildlife advisory committee to United States Secretary of the Interior Stewart L. Udall.

The Washington announcement called Dean Cowan "one of the world's foremost ecologists." Dean Cowan is a professor and former head in the department of zoology at UBC.

He attended his first meeting in Washington in June as a member of the Interior Department's Advisory Board on Wildlife and Game Management.

The meeting was called to map plans on how the National Wildlife Refuge System should be completed. Secretary Udall has asked the committee specifically "what the National Wildlife Refuge System should be, if it could be rounded out, filled in or otherwise altered and completed to include all that our national wildlife lands and waters should include or conversely, need not or should not include."

## Grads Honoured Again

The UBC Alumni Association has been chosen for the second straight year for an American Alumni Council administration award for top honours among Canadian universities. The Award recognizes alumni programs which "mobilize behind education the full strength of organized alumni support."

### BANQUET HONORS

President John B. Macdonald told the Alumni Association's annual dinner May 11 at Hotel Vancouver, "UBC is the one Canadian university to receive the award this year, along with 13 American universities."

Honored at the dinner were Dean Walter Gage, Leon Ladner, QC, and Michael W. Hunter.

Dean Gage, professor of mathematics and dean of inter-faculty and student affairs, received the Alumni Merit Award given annually to a graduate who has distinguished himself and made a significant contribution in any field of endeavour since graduation. Dean Gage, of the UBC class of 1925, is the third winner of the merit award.

Leon Ladner, QC, a member of the UBC Board of Governors, was made a life member of the Alumni Association in recognition of his outstanding contribution to higher education and his association with UBC for more than half a century.

### LETT SCHOLARSHIP

Michael W. Hunter, law 11, of Burnaby, became the first recipient of the \$1500 Sherwood Lett Memorial Scholarship established in March. The scholarship is given to a student displaying the all-round qualities of the late Chief Justice and former Chancellor of UBC — "high scholastic and literary attainments, physical vigour, moral force of character and ability to serve, work with and lead others."

Terrence Mullen, who has been teaching at Prince George, was awarded the Alumni Scholarship of \$3,000. He plans to study for a master's degree in education next year.

Management consultant Kenneth R. Martin, B.Com. '46, was elected president of the Association for 1966-67. During the past year he served as third vice-president and chairman of the "B.C. '76" conference held in March.

Also elected were Mrs. J. M. Lecky, first vice-president; Stanley Evans, second vice-president; Dr. Walter G. Hardwick, third vice-president; and David Helliwell, treasurer.

### BOARD OF GOVERNORS

## Mr. Justice Nemetz Re-elected Chairman

The University of B.C. Board of Governors has re-elected the Hon. Mr. Justice Nathan T. Nemetz as chairman for the year ending June 30, 1967.

Mr. Justice Nemetz was elected acting chairman in the spring of 1965 to complete the term of the late George T. Cunningham, and re-elected for a one-year term as chairman starting July 1, 1965.



MR. JUSTICE NATHAN T. NEMETZ

Though members of the Board are elected or appointed for three-year terms, they elect their chairman annually.

Mr. Justice Nemetz is one of the three members elected to the 11-member Board by the UBC Senate. He has been a Board member since 1957, and a member of Senate, appointed by the Alumni Association board of management, since 1957. He is a former president of the Alumni Association.

The Board also includes six members appointed by the Lieutenant-Governor in Council, and the Chancellor and President as ex-officio members.

A McGowan Cup debator and an editor of The Ubysey, Mr. Justice Nemetz graduated from UBC with first class honors in history in 1934. He graduated from Vancouver School of Law in 1937.

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