



Waste incinerator to be built on campus

By GAVIN WILSON

UBC has applied for a permit from the provincial Waste Management Branch to begin construction of a new chemical waste processing facility on south campus.

The facility will include an incinerator and other methods of disposing of waste solvents and biological wastes, said Dr. William Webber, associate vice-president, academic.

The new facility is part of the university's ongoing efforts to be responsible for waste products generated on campus, efforts which also involve new studies into recycling and reuse

of waste materials.

"UBC ought to be responsible for its own waste and handle it in as safe a manner as possible," said Webber. "To accomplish this, we are placing a new emphasis on recycling and streaming of other waste products."

The incinerators will be used to dispose of waste solvents and biological wastes. Some waste solvents and used motor oil will be recycled,

where practical. Solvents from Simon Fraser University and the University of Victoria will also be disposed of at the UBC facility.

"We are the major user of solvents due to our size and the amount of research conducted on campus," said Webber. "It is the sensible thing to bring these materials to UBC rather than building three incinerators."

The \$5-million facility, funded

jointly by the three universities, along with provincial government grants, will have a 10-year life expectancy, due to the rapidly changing technologies of waste disposal.

The existing waste solvent incinerator no longer meets current standards, which were strengthened at the beginning of 1990, and is not operating. Since that time, waste solvents have been stored and then shipped to licensed facilities in the United States as part of an alternative fuel program.

Overseeing the project is a President's Advisory Committee, chaired by Webber, which includes repre-

sentatives of faculty users, the GVRD, the Vancouver Health Department, UBC's Department of Occupational Health and Safety, and the University Health and Land Ratepayers Association.

Design consultants on the project are the Vancouver branch of CH2M Hill, specialists in waste disposal.

Plans for the new incinerator will be on view at an open house on Wednesday, May 8, from 4 to 8 p.m. at the UBC Botanical Garden reception hall. Representatives of the designers and the university will be on hand to answer questions.

Human Resources acquires new info system

In April 1988, UBC started a project to implement a new Integrated Human Resources Information System (IHRIS). This project is part of an overall strategic systems plan to improve the university's administrative support.

The principal objectives of IHRIS are to implement a single, integrated, accurate source of human resources data; to ensure accurate and timely pay for all faculty and staff; and to provide tools and facilities to support financial planning and the administration of human resources policies and procedures.

The major benefits of IHRIS include a reduction in the duplication of effort; a reduction in human resource processing backlogs; a reduction in the number of processing errors; and an increased ability of faculties and departments to respond to human resources inquiries.

In July of 1990, following an in-depth investigation and evaluation,



UBC engineering students built this 15-seat bicycle for the Manulife Ride for Heart, held April 28 to raise funds for heart research.

UBC acquired a human resources management system software package from PeopleSoft Inc. This package meets a major portion of UBC's needs and comes with sophisticated tools to tailor the system to address unique requirements.

The implementation will involve three projects over the course of several years. Project one includes Human Resources and payroll processing and is targeted for the fall of 1991. Project two will implement position manage-

ment and budget management. The third project addresses applicant tracking and recruiting.

An advisory committee has been established for representatives of faculties and administrative departments to review the design and provide suggestions and feedback. Regular project updates are being published in the monthly newsletter INFONOTES, issued by Human Resources. For further information please call the IHRIS project office at 822-9864.

Dental hygiene degree approved

By CONNIE FILLETTI

Senate has approved the creation of a dental hygiene diploma degree program leading to a Bachelor of Dental Science degree.

The program will be the first of its kind at a western Canadian university.

"The degree completion program is designed to prepare future academic and clinical leaders in dental hygiene," said Dr. Paul Robertson, dean of the Faculty of Dentistry.

"The program is also designed to produce graduates who will have a broadened scientific education, combined with the depth and proficiency in dental hygiene skills."

He added that there is a great need for advanced training in dental hygiene to prepare clinicians for careers in professional education and community health.

Robertson said recent surveys of dental hygienists in B.C. demonstrate a strong interest in a post-diploma degree program in dental hygiene.

Results of two separate surveys conducted by the B.C. Dental Hygienists' Association and by the College of Dental Surgeons of B.C. indicated that 50 per cent of the respond-

ents would be interested in the program, should one become available.

The establishment of a dental hygiene completion program within a western Canadian university was first recommended by the Federal Government Working Group on the Practice of Dental Hygiene in 1986.

The University of Montreal and the University of Toronto currently are the only other universities to offer degree completion programs for dental hygienists in Canada.

Completion of the degree will require a minimum of 60 credits of course work, of which approximately 34 to 38 credits will be core material. The remaining course work will allow students to focus on community dental health care, advanced clinical practice or allied dental education and research.

Application forms may be obtained from the dean's office, Faculty of Dentistry.



Robertson

Campus loses Canada Employment Centre

By GAVIN WILSON

UBC's Canada Employment Centre will close its doors this September as the federal government eliminates funding for job placement services at university and college campuses.

Gordon Fox, manager of the UBC employment centre, said about 100 employment centres, half of them in Quebec, are being closed because of the changing mandate of Employment Canada. It now stresses a more universal approach to service delivery, instead of serving a specialized clientele.

"Canada Employment wants to be able to apply more resources to less advantaged clientele," said Fox.

The closures also follow govern-

ment spending restraints introduced in the most recent federal budget, he said. Many of the larger universities, especially in Ontario, were already providing their own placement services without government assistance.

K.D. Srivastava, vice-president, student and academic services, said his office is urgently looking into the possibility of establishing an equivalent placement service on campus. Some interim external financial grants may be available to continue a placement service for a year or so.

"This will enable our office to develop a long-term strategy for offering this important service to UBC students," he said.

The UBC centre, which first opened

its doors in 1977, is currently staffed by four full-time employees, making it one of the largest campus Canada Employment Centres in the country.

The centre regularly places about 2,500 UBC students in permanent, summer and part-time jobs each year, Fox said. A majority of the permanent placements are in engineering, commerce, forestry, education and computer science.

"We believe we have provided a valuable service," Fox said. "We're disappointed. The staff have enjoyed serving students and employers."

Also closing will be Canada Employment Centres at Simon Fraser University, the University of Victoria and the B.C. Institute of Technology.

After September, the nearest Canada Employment Centre to UBC will be an office on West Broadway near Burrard St., where a full range of services will be available to students.

Before the Canada Employment Centre was established on campus, a placement service was offered by the Student Counselling and Resource Centre. That centre currently offers a career counselling service to all registered students at UBC.

Srivastava said that all authorizations for foreign workers at UBC will be handled by the Canada Employment Centre at Sinclair Centre when the campus employment centre staff are gone.

Inside

WELCOME: A volunteer program at International House helps foreign students upon arrival to UBC. Page 2

FRATERNITY LANGUAGES: A professor has opened a career recording department for languages of Native Peoples. Page 3

MEASURING SUCCESS: UBC Economics Professor Barbara Spencer overcame obstacles in male-dominated field to achieve a successful career. Page 8



Letters to the Editor

April 19, 1991

The Editor
UBC Reports

Dear Sir:

I feel obliged to respond to the April 9th letter to you from the West Point Grey Residents' Association as it contains numerous factual errors and inconsistencies about Hampton Place and the University. The trees were removed from the site in the fall of 1989, not "six months ago" as claimed. The first development, Thames Court, is in the south-west corner, not the "south-east". The Thames Court townhouses and condominium homes will be available for sale this year, not "in 12 - 18 month's time".

Of the so-called "24 left over acres" approximately 6 acres are in existing landscaping and roads and a further four acres are reserved for three high rise sites for rental housing by UBC Real Estate Corporation. This leaves six sites for leasehold sale of which one or two will be offered by public tender this year. These sites have not "been put on hold". Since Hampton Place was conceived, land prices have not "fallen drastically". Hampton Place was originally conceived in the early 1980's and started detailed design in 1986-87. Land prices rose steadily during this time, climbed to an exceptional peak in 1989-90, dropped to more normal levels and have since been steady.

We are achieving our projected revenues and have retired all debt against Hampton Place, and more, from just the first land lease sale to Thames Court. The purpose of Hampton Place is firstly to make money for the University to spend on capital and endowment projects and, secondly, to increase the supply of housing, both condominium and rental. This is and was the plan for Hampton Place and we have always stated that it would take at least five years to see Hampton Place substantially built.

With regard to "European" versus "West Coast" landscaping this is obviously a matter of taste but recent surveys of the pros and cons of the Campus have shown that the older areas of the Campus, such as the original Library, the Chemistry Building and the grand boulevard of the Main Mall are considered amongst the most attractive. These areas have definite European origins.

UBC Real Estate Corporation is currently building 115 units of housing for junior faculty members. These rental units should be available for September of this year and will include a Day Care. By combining the public and private resources of the University and the Real Estate Corporation, these rental units are being built on a full cost recovery basis and with below market rents.

We have spent the last year working with representatives of the Faculty Association, the University Endowment Lands, the Greater Vancouver Regional District, the Alma Mater Society, student representatives to the Board of Governors, the School of Planning and the Economics Department on an advisory committee on Hampton Place. I believe that the views of these groups have been well represented and will be the subject of an upcoming committee report. The West Point Grey Residents Association will be more than welcome to a copy of this report when it is finished as it should represent the views of those who live and work on the Campus.

Mark Betteridge
President
UBC Real Estate Corporation

April 22, 1991

Editor
UBC Reports

Dear Sir:

Your article on "University set to provide childcare" on April 4 contains some interesting distortions and omissions. The article doesn't mention that there are many people associated with daycare at UBC who are extremely unhappy with the University administration's proposed takeover. The article talks about "existing parent advisory committees". The parents are not advisors. The daycares are parent co-ops which means that parents are directly involved and responsible. They have existed on this campus for almost twenty years. The notion that the University can automatically provide better care or even comparable care in an institutional setting is only a notion. In fact meetings between University officials and parents have made it abundantly clear that the University has spent much more time thinking about its legal position than it has spent thinking about child care. An apt quote on the situation is perhaps that of Senator Lowell Murray from the Globe and Mail on April 20: "What you can achieve from the bottom up is perhaps more enduring and more acceptable than what you can achieve from the top down".

J. Carolan
Physics Department

Welcoming hand extended to international students

By CHARLES KER

Gertjan Hofman was more than a little relieved to see the International House sign when he stepped off the plane two years ago at Vancouver Airport.

The 21-year-old Dutch student had chosen UBC to study for his master's degree in physics and was understandably apprehensive about what awaited him.

"It is a bit daunting going 15,000 miles to a place you have never been before, but the reception was really quite amazing," said Hofman. "International House received me before Canada Customs did."

A "host" family was also on hand to greet Gertjan and take him back to their house where he would stay for a few days until he found permanent lodging.

Starting in July, Gertjan plans to be among 130 volunteers offering some home hospitality to UBC's new international arrivals. About 200 students took advantage of International House's reception program last year with Gertjan himself hosting three students in three consecutive weeks.

"It's a positive start and a good introduction to Canada," said Carol Shepstone, past coordinator of the 10-year-old program. "It's optional but those who sign on have a sense of reassurance before leaving their home

country."

Prior to the arrivals in July and August, International House sends off about 800 information packages on the university to potential international students. The months of May and June are spent recruiting hosts, drivers and volunteers for the International House kiosk at the airport.

With half the volunteer list made up of international students, Morrison hopes more Canadian volunteers come forward to share in the experience.

In addition, International House launches a separate letter-writing campaign which last year included 80 volunteers writing some 800 letters to students from abroad. Randy Morrison is coordinating this year's effort and is looking for 100 volunteer

scribes.

"We provide some guidelines about basic information to include about the city and climate but the rest is up to the individual," said Morrison. "Generally, it helps incoming students adjust to new surroundings and gives them more of a soft-landing."

With half the volunteer list made up of international students, Morrison hopes more Canadian volunteers come forward to share in the experience. He has had good success this year with more than 15 first-time volunteers from the Rotary Clubs of Vancouver and Vancouver South. The aim is for students to start up a correspondence before they actually meet. Morrison added that volunteers can expect two or three responses from 10 letters sent.

Close to 1,600 international students registered at UBC in 1990 with roughly two-thirds of those entering graduate programs.

Volunteers can call International House at 822-5021 for more information.

New office looks at health technologies

UBC's recently created Centre for Health Services and Policy Research has established a B.C. Office of Health Technology Assessment (OHTA).

The Ministry of Health is providing \$250,000 in start-up funds for the office, which is located in the Purdy Pavilion of University Hospital, UBC site.

"The establishment of the OHTA will better position British Columbia in efforts to assess and evaluate the

effectiveness of new and existing health care technologies," said provincial Health Minister John Jansen. "The office will also allow us to gain greater access to the network of shared information and research."

The province's OHTA will be active in several areas, including the selection of technologies to be examined and identifying technologies that have insufficient scientific study.

Consultation and advice will be available to investigators develop-

ing research proposals for funding studies that address research gaps.

Associates of the office will review and analyze all scientific literature to prepare summary reports on specific technologies. These summaries will be highlighted in a quarterly newsletter to be published by the OHTA.

"Promoting and encouraging the use of assessment research in policy, acquisition and utilization decisions at the clinical, operations and government levels entails understanding what other factors influence these decisions," said Arminee Kazanjian, chair of the OHTA steering committee.

"The office will be responsible for developing such research."

In addition to its health technology assessment activities, the centre is a focal point for research at UBC on health policy, population health, health human resources and health services research.



Kazanjian

Engineers seek more women students

By GAVIN WILSON

More than 200 young women from Lower Mainland high schools who are interested in careers in engineering have been invited to a day-long conference hosted by the Faculty of Applied Science.

The conference is part of the faculty's commitment to increasing the number of women studying engineering at the university, said Sidney Mindess, professor of Civil Engineering and a conference organizer.

"We would like women to see engineering as a viable career option, not as a profession that is blocked off to them," he said. "We want to give them the message that if this is what they want to do, then yes, they can actually do it."

Female faculty members such as Rabab Ward (electrical engineering) and Royann Petrell (bio-resource engineering) will speak to the students, as will as practicing engineers who are women. Students will also get the chance to speak informally with these women about opportunities in the field.

The conference, on Wednesday, May 8, at the Graduate Student Centre, is being held for the second year. Last year, about 175 young women

attended.

Currently, about 11 per cent of Applied Science undergraduate students are women. While this number is typical of North American universities, it is unacceptably low, Mindess said.

Women represent the largest untapped pool of potential talent for the engineering profession, which is projected to suffer a shortage of recruits in the next 15 years, he said.

In October, the faculty's annual workshop for high school science teachers also highlighted opportunities for women in engineering. Teachers who attended said there are an increasing number of women students in Grades 11 and 12 science classes.

UBC Reports is the faculty and staff newspaper of the University of British Columbia. It is published every second Thursday by the UBC Community Relations Office, 6328 Memorial Rd., Vancouver, B.C., V6T 1Z2. Telephone 822-3131. Advertising inquiries: 822-6149. Managing Editor: Steve Crombie. Ass't Editor: Paula Martin. Contributors: Ron Burke, Connie Filletti, Abe Hefter, Charles Ker, and Gavin Wilson.



Please recycle

Compulsive behavior studied

BY CHARLES KER

It's not known what causes some people to compulsively clean and check, but their actions can be debilitating.

Clinical cases have included a 38-year-old woman who, obsessed by a fear of contamination, opened and closed all doors with her feet in order to avoid dirtying her hands; or the case of a 19-year-old man who spent four hours each night checking electrical appliances, doors and taps after other members of his family had gone to bed.

"These people often think they are going crazy, but they simply have an anxiety problem," said Cindy Lopatka, a UBC PhD candidate who is conducting research into compulsive

checkers and cleaners.

Lopatka said that while much is known about the behavioral aspects of the problem, her research will focus on the emotional aspects of the disorder.

"We already know what they do," said Lopatka. "I want to find out what these people think about and how they feel while they check and clean."

Lopatka's study will involve individual interviews with 40 compulsive cleaners and checkers between the ages of 19 and 65. Participants will first be asked about their individual patterns of checking and cleaning. They will then be exposed to four situations in which they would normally check and clean and be asked questions about their expe-

riences.

Lopatka said that between 20,000 and 30,000 people in Greater Vancouver suffer from an obsessive-compulsive disorder, with cleaning and checking being the two main kinds of compulsions. The longterm goal of Lopatka's research is to develop a more effective treatment program than is currently available.

Other anxiety disorders include panic with agoraphobia (a fear of imminent threat, often in a public place), social phobia (fear of negative evaluation by others) and simple phobias such as fear of enclosed spaces, flying or heights.

Anyone interested in participating in the study should call Cindy Lopatka at 822-9028.

Computers clash in chess wars

By GAVIN WILSON

An international field of chess-playing computers will be competing in the Micro-Computer World Chess Championship at UBC. The contest, which began May 1, runs until May 9.

About 15 teams from the Soviet Union, France, Great Britain, the United States, Holland and Germany are entered. It is only the second time that the championship has been held in Canada.

During the competition, human beings play only a supporting role, moving chess pieces according to the decisions made by computers with names such as Mephisto, the defending champion.

But the computers are only as good as the people who program them, says tournament organizer Nathan Divinsky, a mathematics professor and Canada's representative to the World Chess Federation.

"All the machines are very fast. It's the programming, with which the computers evaluate their positions, that makes the difference," he said. "That's where knowledge and experience in chess comes in."

The championship is co-sponsored by the Computer Science Department and the chess federations of B.C. and Canada. It will be held at International House, from 10 a.m. to 4 p.m., each day.

Advertise in UBC Reports

Deadline for paid advertisements for the May 16 issue is noon, May 7.

For information, phone 822-3131

To place an ad, phone 822-6149

THE UNIVERSITY OF BRITISH COLUMBIA DRAFT POLICY STATEMENT

Number 1	Original Issue Date December/86 as Policy Ac-5	Revision Date April 16, 1991
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SUBJECT: SMOKING

RESPONSIBLE VICE PRESIDENT: Administration & Finance

WORKING CONTACT: Libby Nason, Provost's Ass't, 822-2909

PURPOSE: To establish a general prohibition on smoking

POLICY: Smoking is prohibited in all University buildings subject to exceptions listed in the procedures following.

PROCEDURE SUMMARY:

Effective July 1, 1991, smoking will be prohibited in all University buildings.

The principal entrances to all buildings or parts of buildings will have a sign informing users that smoking is prohibited. The absence of such a sign at any one, or more, or all of the entrances to any particular building or part of a building does not affect the general prohibition against smoking.

Two exceptions to the policy are:

- Any establishment on campus whose primary function is the serving of alcohol may designate up to a maximum of 25% as smoking areas, but these areas must be away from access to the servery and have ventilation to prevent smoke from drifting to pollute the non-smoking area. It is understood that the ultimate goal is to ban smoking in these areas as well.
- Smoking will be permitted in the Residences as governed by the University of British Columbia Residence contract.

DETAILED PROCEDURES:

Smoking cessation clinics will be offered free of charge for students, faculty and staff by the University through Student Health Services through October 31, 1991.

NOTES: This is an adaptation of the second draft proposed by the University Health and Safety Committee. In January, all departments at UBC were asked for their comments on the first draft. The comments were provided in summary form to the University Health and Safety Committee and were considered in the re-draft, which has been reviewed by Deans, Heads, Directors and Service Unit Directors. Subject to approval by the Board of Governors, the anticipated date for implementation is July 1, 1991.

Languages live on in professor's work

By CHARLES KER

'Ma 'yanxuxwa 'nalax?
Translation: What day of the week is today?

It's Wednesday and Jay Powell is methodically loading a coffee-maker while his guest squints to read some Kwak'waka.

An illustrated alphabet of the Kwakiutl language hangs on the wall behind Powell's desk along with alphabets from nine other B.C. Native bands.

"Linguists from around the world come here to listen to these languages because they are some of the most explosive sounds people can make," said Powell, a native-language specialist in UBC's Department of Anthropology and Sociology. "When we record them, it is like catching a rare bird as it flies off to extinction."

Powell has spent his academic career documenting some of B.C.'s 25 Native languages. During the last 16 years, he has written 60 language books in 10 different languages for Native school students.

Together with photographer Vickie Jensen (his wife), a curriculum designer and an illustrator, Powell has produced student readers, exercise books and teacher training manuals for the Nitinat, Nuuchahnulth, Musqueam, Shuswap, Quileute,

Kwakiutl, East and West Gitksan and Lillooet languages. He has also compiled two Native dictionaries and is at work on a third.

"It's a wonderful feeling to have Native communities phone and ask for your help," said Powell. "What Native people want is to have their language available to their kids and to have it documented completely so it can be used and appreciated for years to come."

Spending up to four months a year on reserves, Powell describes what he does as, "making sense of sounds."

While complex ideas in English are formed by stringing words together, Native languages add affixes to the roots of words with unique results. For instance, single words can often span the width of a page.

Powell's approach to developing language programs for Native communities has been to involve the people themselves in the process.

The first step is to set up a committee of elders which determines how the language is to be written. Once a system is chosen, an alphabet sheet is drawn up outlining significant sounds with illustrated examples of a word that

starts with a particular sound or has that sound in it. The alphabet sheet is then circulated to homes and businesses throughout the community.

In the last six years, Powell has developed a series of language readers with accompanying audio tapes of elders speaking their ancestral language for hands-on community use. Tape topics range from carving and basket-making to rituals and grandparents. Powell is even at work on a Native language video game in which an English

word is typed into a computer and a cartoon picture of an elder appears on the screen to say the word in their language.

"The object is to make the language fun and accessible," said Powell. "The tapes can be used while listening to your Walkman or driving in the family pickup."

But committing the languages to a practical writing system has been Powell's main concern.

From the beginning, the professor's goal was to provide language materials that were attractive, easy to read and affordable. By doing all the writing, editing and layout himself, Powell was able to deliver 400 copies of his first book, Quileute Language, in a single summer for



Jay Powell has spent his career documenting Native languages.

only \$1,800. He points out that a professional publisher would have taken much longer, cost considerably more and left the community with little control over content.

"The English-language school texts that Native kids use are professionally bound and packaged," said Powell. "If Native children learn their language from a set of dog-eared, mimeographed handouts, they get a sense their language and culture isn't as respectable. We want to create something they can be proud of."

While helping individual bands establish school programs to teach their own languages, Powell has been quietly compiling a dictionary and set of lessons which he hopes will some day be used by Native

groups who have lost their mother tongue.

Powell explains that his dictionary of Chinook Jargon is based on a trade language that began when white settlers first made contact with Natives at the beginning of the 19th century. A combination of Chinook, French, English and Nuuchahnulth, Powell said Chinook Jargon has a vocabulary of about 500 words and is easy to learn.

Linguists grimly forecast that 90 per cent of the world's 6,000 languages will die out within the next century. However, Powell can take solace in knowing that his work will be around long after many of these languages have disappeared.


May 5 –
May 18

MONDAY, MAY 6

BC Cancer Research Seminar
Childhood Leukemia And Electromagnetic Fields. Ms. Mary McBride, Epidemiology, Biometry/Occupational Oncology. BCCRC Lecture Theatre from 12-1pm. Call 877-6010.

Biochemistry 530 Seminar
Cellular Targets For Transformation By Adenovirus E1A Protein. Dr. Peter Whyte, McMaster U. IRC #3 at 3:45pm. Call 822-5925.

Biotechnology Laboratory Seminar

 Cellular Components Mediating Protein Translocation Across The Membrane Of The Endoplasmic Reticulum. Dr. David I. Mayer, Biological Chemistry, UCLA. IRC #1 at 4pm. Call Dr. Wilf Jefferies at 822-6961.

TUESDAY, MAY 7

Medical Genetics Seminar
Inbreeding And Heterozygous Effects In Long-Term Selected Poultry Populations And Genetic Susceptibility To Marek's Disease In Poultry. Dr. Hossien Ameli, Postdoctoral Fellow, Animal Research Centre, Ottawa. IRC #1 at 8:30am. Coffee from 8:15am. Call 822-5311.

Neuroscience Discussion Group
The Role Of Insulin, Acting In The Brain, On The Control Of Food Intake And Body Weight. Dr. Stephen Woods, Psychology, U. of Washington. University Hospital, UBC Site G279 at 4pm. Call 822-7948.

WEDNESDAY, MAY 8

Illustrated Lecture
Monuments Of Medieval Armenia. Dr. Arpag Mekhitarian, Executive Secretary, Queen Elizabeth Egyptological Foundation, Brussels, Belgium. Sponsored by UBC Department of Religious Studies And The Archaeological Society Of BC. Vancouver Centennial Museum Lecture Hall at 8pm. Call 822-6523.

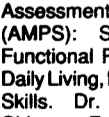
Microbiology Seminar Series
Ribosomal Protein Genes In The Archaeobacteria. Dr. Celia Ramirez, Microbiology, UBC. Wesbrook 201 from 12:30-1:30pm. Call 822-6648.

Rehabilitation Medicine Visiting Lecturer

 Introduction To Rasch Measurement: Test-Free, Rater-Free And Sample-Free Measurement. Dr. Anne Fisher, U. of Illinois, Chicago. University Hospital, UBC Site's Koerner Pavilion Lab 8 from 12:30-1:30pm. Call 822-7392.

THURSDAY, MAY 9

Rehabilitation Medicine Visiting Lecturer

 Assessment Of Motor And Process Skills (AMPS): Simultaneous Evaluation Of Functional Performance In Activities Of Daily Living, Motor And Cognitive-Process Skills. Dr. Anne Fisher, U. of Illinois, Chicago. Regent College 100 from 9am-1:30pm. \$25 fee includes lunch. Call 822-7416.

Social Work Research Paper Presentations

5th Symposium of Social Work Research: In The Contemporary Context. Students \$10, General, \$20. Graham House, School of Social Work from 9am-4:30pm. Call 822-2255.

CALENDAR DEADLINES

For events in the period May 19 to June 1, notices must be submitted by UBC faculty or staff on proper Calendar forms no later than noon on Tuesday, May 7 to the Community Relations Office, 6328 Memorial Rd., Room 207, Old Administration Building. For more information call 822-3131. The next edition of UBC Reports will be published May 16. Notices exceeding 35 words may be edited.

FRIDAY, MAY 10


Paediatrics Resident Case Management Seminar

Neonatal Pneumonia. David Critchley/Gail Annich, Residents. G.F. Strong Rehab. Centre at 9am. Call A.C. Ferguson at 875-2118.

Rehabilitation Medicine Visiting Lecturer

Development Of A Neonatal Assessment Scale. Dr. Suzann Campbell, U. of Illinois, Chicago. University Hospital, UBC Site's Koerner Pavilion from 12:30-1:30pm. Call 822-7392.

Plant Sale

 Bedding plants, Geraniums, Tropicals at wholesale prices. Cash sales only. Plant Science Greenhouse, West Mall at Stores Rd. from 9am-5pm. Call 822-3283.

SUNDAY, MAY 12

Mothers Day Tea At Cecil Green
Presented by Food Services. Live classical music. Tickets, \$12.50 (+GST). Visa/Master Card accepted. For reservations call 822-2018.

TUESDAY, MAY 14

Medical Genetics Seminar

Human Genome Projects: Scientific Prerogative Or Ethical Imperative? Mr. Richard Benson, C.M., American College, Leuven, Belgium. IRC #1 at 8:30am. Coffee from 8:15am. Call 822-5311.

WEDNESDAY, MAY 15


Microbiology Seminar Series

Topic To Be Announced. Dr. Joan McPherson, Plant Science, UBC. Wesbrook 201 from 12:30-1:30pm. Call 822-6648.

Oceanography Seminar

International Decade For Natural Disasters Reduction (IDNDR): A Challenge For Canadian Meteorologists And Oceanographers. Dr. Mohammed El-Sabh, Oceanography, U. of Quebec, Rimouski, PQ. All welcome. Geography 201 at 2pm. Call 822-2317.

French In Action

 Come and meet Pierre Capretz, author of French In Action. No host bar. All welcome. Faculty Club from 6-8pm. Call 222-5227.

THURSDAY, MAY 16

Biotechnology Laboratory Seminar

Functional Implications Of HLA Class II Antigen Transport. Dr. Peter Cresswell, Duke U. Medical Centre, Durham, NC. IRC #1 at 4pm. Call Dr. Wilf Jefferies at 822-6961.


FRIDAY, MAY 17

Paediatrics Grand Rounds

Recent Advances In Systemic Lupus Erythematosus In Childhood. Dr. D.E. Magilavy, Associate Professor, Paediatrics; Head, Paediatric Rheumatology, U. of Chicago. G.F. Strong Rehab. Centre Auditorium at 9am. Call 875-2118.

NOTICES

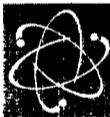
Campus Tours

 Enjoy a free walking tour of UBC's gardens, galleries, recreational facilities and more. Drop-in tours leave the Tours and Information desk in the Student Union Building at 10am and 1pm weekdays. To book specialized tours including those for seniors, children, ESL groups and the physically challenged, call 822-6410 (after May 6, 822-3777).

CMEA Biennial Conference

Pacific Sounds '91. May 8-11. Canada and the Pacific Rim-The 21st Century: forums, research papers, workshops, daily and evening concerts. Canadian guest speakers include His Honour the Honourable David C. Lam, Lt.-Gov. province BC and Kogila Adam-Moodley, Director, UBC Multicultural Liaison Office. Call 822-5367.

Laboratory Chemical Safety Course

 Safe Handling, Storage And Disposal Of Chemicals; Laboratory Inspections; Emergency Response; Spill Clean-Up. Various speakers. Two mornings: Mon. May 13 and Tues. May 14 from 8:30am-12:30pm. UBC employees free, General \$200. Call 822-2029/5909.

Census Day June 4

Next Statistics Canada Census. Complete your questionnaire and mail it back according to the instructions on the package. For information, call 666-2041 or 666-7299.


English Language Institute Homestay

English-speaking families required to host international students participating in UBC programs, for periods of two to six weeks. Remuneration is \$19/night. Call 222-5208.

International House Reach Out Program

Local students correspond with international students accepted to UBC. Act as contact and provide useful information to incoming students while making global friends. All students (Canadians or Internationals) welcome. Call 822-5021.

Museum of Anthropology

 Exhibition extended: Portraits of BC Native leaders, chiefs, chief counsellors and elders by Kwaguitl photographer David Neel. Now open in the new West Wing: The Koerner Ceramics Gallery. Closed Monday. Call 822-5087.

Executive Programs

One/two-day business seminars. May 6-7: Effective Sales/Marketing for the Forest Industry, \$550. May 9-10: Managing Upward, \$495. E.D. MacPhee Executive Conference Centre (Henry Angus). For more information call 822-8400.

Language Programs/Services

Enjoy an exciting weekend in conversational Japanese or Chinese at Silver Star Resort in the Okanagan, May 18-20. Classes offered at all levels. Fee of \$300 covers tuition and meals. Call 822-5227.


Reading, Writing/Study Skills Centre

Four spring courses. Reading for Speed/Comprehension, Study Skills begin May 7. Grammar/Composition, Writing Improvement begin May 9. Call 222-5245.

Psychology Step-Families Study

Married couples who have at least one child from a previous union living with them, are invited to participate in a study of stress and coping in step-families. Call Jennifer Campbell at 822-3805.

Adult Child Separation/Divorce Study

 Volunteers needed. The study will explore how mothers cope with their adult child's separation/divorce. Participants will be required to anonymously complete a mailed questionnaire. Call Allison Krause, Counselling Psychology, at 946-7803.

Sports Medicine Study

Volunteers, female, age 18-35 needed to participate in study on Exercise and the Menstrual Cycle. Fit, healthy, having normal menstrual cycles and not currently on oral contraceptives. Physiological testing provided. Allan McGavin Sports Med. Centre, John Owen Pavilion, UBC. Call Dr. Connie Lebrun 822-4045 or 980-6355.

Psychiatry Depression Study

Participants needed for research study using new antidepressant medication. Depression sufferers, 18-65 years. Call Doug Keller at 822-7318.


Diabetic Clinical Study

Diabetics who have painful neuropathy affecting the legs needed to volunteer for 14-week trial of an investigational new drug. Call Dr. Donald Studney, Medicine, University Hospital, UBC Site at 822-7142.

Daily Rhythms Study

Volunteers needed to keep a daily journal (average 5 min. daily) for 4 months, noting patterns in physical/social experiences. Call Jessica McFarlane at 822-5121.

Psychiatry PMS Study

 University Hospital, Shaughnessy site. Volunteers needed for a study of an investigational medication to treat Pre Menstrual Syndrome. Call Doug Keller at 822-7318.

Hypertension in Pregnancy Study

Pregnant women, concerned about their blood pressure, are invited to participate. The study compares relaxation training with standard medical treatment (own physician). Call Dr. Wolfgang Linden at 822-4156.


Exercise In Asthma Study

Volunteers with exercise-induced asthma needed for 2-part study (30 min. each). No medications or injections. Call Dr. Phil Robinson at Pulmonary Research laboratory, St. Paul's Hospital at 682-2344, extension 2259.

Memory For Places

Study on memory for places (shopping mall) requires volunteers age 65 years and older for 1.5 hour. Please call Bob Uttl, Psychology, UBC at 822-2140.

Study on Memory

 Old wine; old memories. To study whether some memories improve with age (like some wine) we need volunteers 60 years of age and older for 1.5 hours. Please call Paul Schmidt/Gloria Lam at 822-2140.

Gastrointestinal Study

Volunteers required for pre-clinical trials of a new gastrointestinal ultrasound contrast agent. Volunteers (18-30 years) in good health with no history of ulcers or other gastrointestinal ailments. Call Dr. Colin Tilcock, Radiology, University Hospital, UBC Site at 822-3717.

Acne Study

Volunteers 14-35 years of age, moderate facial acne. Four visits over 3 month period. Honorarium paid for participation. Call 874-8138.


Female Hair Loss Study

Females age 19-49. Moderate hair loss. Crown area only. Must be able to attend 1-2 times weekly for 9 months. Honorarium paid for participation. Call Sherry at 874-8138.

Statistical Consulting and Research Laboratory

SCARL is operated by the Department of Statistics to provide statistical advice to faculty and graduate students working on research problems. Forms for appointments available in 210. Ponderosa Annex C-210. Call 822-4037.

Surplus Equipment Recycling Facility

 All surplus items. Every Wednesday, 12-3pm. Task Force Bldg., 2352 Health Sciences Mall. Call 822-2813.

Sexual Harassment Office

Two advisors are available to discuss questions and concerns on the subject. They are prepared to help any member of the UBC community who is being sexually harassed to find a satisfactory resolution. Call Margaretha Hoek or Jon Shapiro at 822-6353.


Volunteering

To find an interesting and challenging volunteer job, get in touch with Volunteer Connections, Student Counselling and Resources Centre, Brock 200. Call 822-3811.

Narcotics Anonymous Meetings

Every Tuesday (including holidays) from 12:30-2pm, University Hospital, UBC Site, Room 311 (through Lab Medicine from Main Entrance). Call 873-1018 (24-hour Help Line).

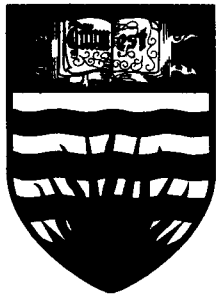
Adult Hockey Camps

 Cool off on the ice this summer. Whether you're just starting out or an experienced player, these camps offer quality skill development instruction for both men and women. For further information call Community Sport Services at 822-3688.

Adult Golf Lessons

Get into the swing of things! Perfect your golf game this year in one of our basic or intermediate programs. Learn quality fundamentals of grip, posture, stance, alignment and accuracy. Class size limited to 6. For further information call Community Sport Services at 822-3688.

UNIVERSITY OF BRITISH COLUMBIA



UBC LIBRARY: PHASE I

Site Analysis Report (April 1991)

It is proposed that this information be presented to the Board of Governors on May 23, 1991. Written comments or requests for further information should be submitted to Linda Moore, Development Manager, Campus Planning and Development.

A NOTE FROM THE DEVELOPMENT MANAGER

The following information presents an analysis of ten possible sites for the proposed UBC Library Phase I, and recommends the approval of a preferred site. The recommendation of a site within this area of campus is a very important consideration. Not only are we addressing the historic heart of the University, but the Main Mall/Library Garden area is also one of the most beautiful and memorable places on campus.

This analysis represents a rigorous examination and testing of the many planning and design criteria which must be considered in a study of this kind. It should also be noted that in order to ensure the appropriateness of the recommended site, we went beyond the analysis and information presented herein. To this end, our consultants also ran a preliminary testing of the preferred site to confirm integration with Sedgewick, optimum site capacity, and the ease of accommodating future phases of the UBC Library. This work was integral to the overall analysis.

As the Development Manager for the proposed UBC Library Phase I, I am confident that the recommended site represents the outcome of a highly professional effort which, in the final analysis, balances planning and design criteria with a very strong appreciation of the beauty and historic importance of this location.

Linda Moore
April 26, 1991

INTRODUCTION

Planning for the Phase I development of the Library Centre has been undertaken during most of 1990. During the past year, the Library Planning Committee has considered concepts around a site which was expected to be contiguous to the existing Main Library building...honouring a commitment to enhance the "heart of the UBC Campus."

Early last winter, consensus about the functions and activities for Phase I development emerged from a planning workshop, involving senior representatives from the library organization, in which it was gen-

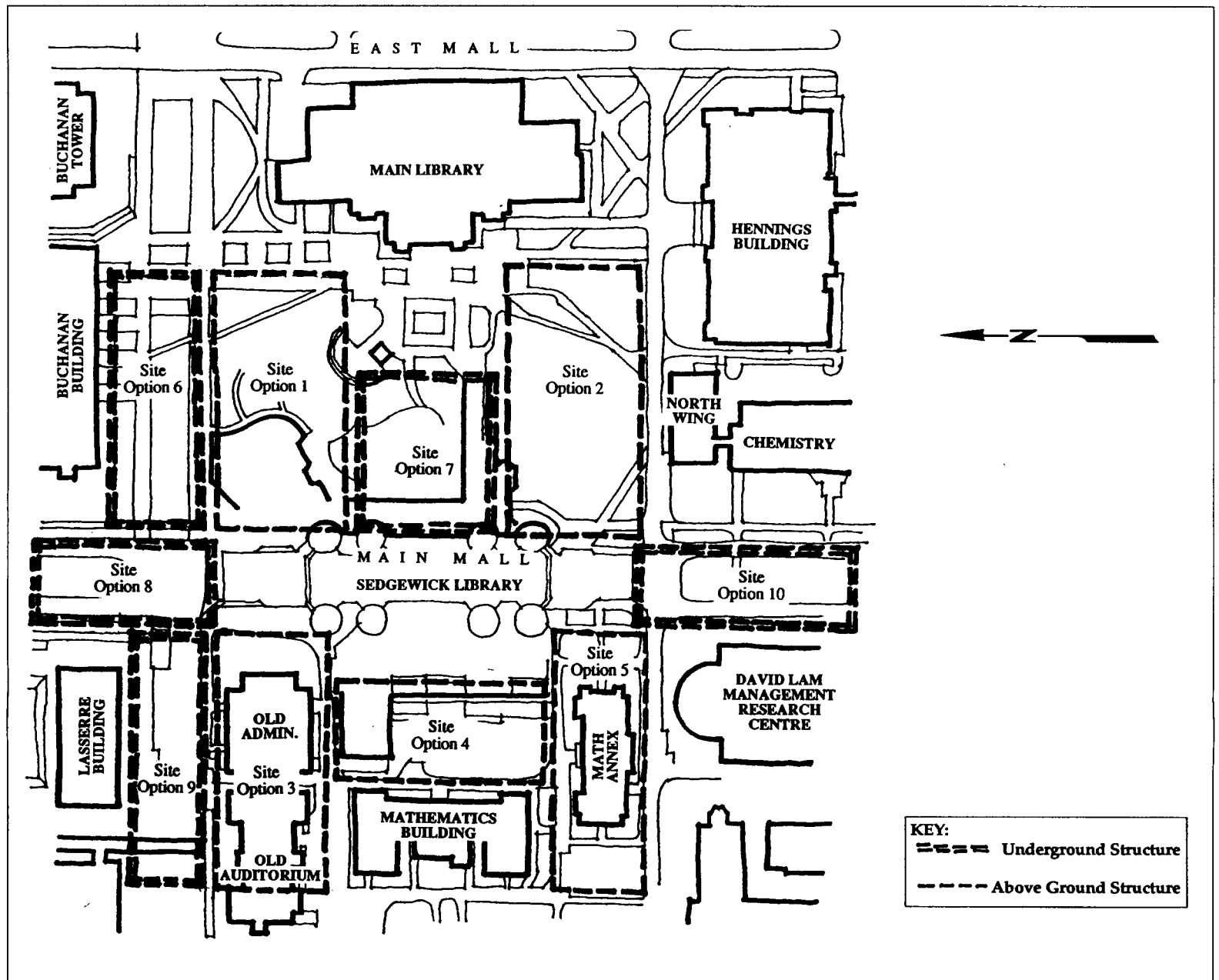


Figure 1 - Sites Considered

erally agreed that the new building would (ideally) be combined with the Sedgewick Undergraduate Library, and that the new integrated entity would result in a modern Humanities and Social Sciences library. In so doing, the stratification of library services would cease: all students, graduates and undergraduates, together with UBC faculty and staff, and outside users would use a common facility. Implicit within this decision was the commitment by the University Librarian that the nature of library services would change to provide an integrated "first stop" venue.

These decisions provided a different thrust to the planning process. In addition to meeting the terms of reference for the Phase I development, as provided to the Committee by the University, the Committee then embraced the concept that the development would create not only about 100,000 sq. ft. of new library space, but also the notion of a new library entity on the UBC campus. In fact, the scope of the project shifted dra-

matically, without any budget adjustment. Rather than a building of 100,000 sq. ft. or so (gross area) worth \$24M, the thinking had evolved to a \$24M investment in an integrated development that would create a total 210,000 sq. ft. development, which would incorporate the approximately 110,000 sq. ft. of the Sedgewick Library.

With this decision and realization, several new factors entered into the planning.

- The integrated facility would create a critical mass large enough to become a new centre for the library organization.

- As such, the integrated facility should present a new "front door" to the library - a convenient, contemporary, efficient and appropriately staffed enterprise, worthy of the magnitude of UBC's activities.

- The service model for the Phase I library would meet the challenge of the integrated functions.

- The original notion of Phase I as a *building* had been expanded to become part of a greater whole.

- The original site considerations had become irrelevant because the new thrust was directed toward an *integrated Sedgewick* (rather than *Main Library associated*) solution.

The factors which affect the site selection for this project are many and varied. Inserting a major development into the already crowded vicinity of the heart of the campus means that social, historic, cultural, institutional considerations must also be weighed with functional and financial aspects. For these reasons, a numerical evaluation was adopted. Criteria have been given numerical values, based upon the opinion and observation of the planning consultant. Although the numbers provide only a general guide, they offer a means whereby the merits of the site options may be considered without the need for (and perhaps the bias of) schematic, graphic renditions. Raw scores

for each of the criteria have been weighted, to provide a weighted total score for each option. These have been used as a basis for discussion, conclusions and recommendations. The scores, therefore, constitute a quantitative guide, and are open to interpretation.

ANALYSIS METHODOLOGY

This assessment of site alternatives is intended to provide the Phase I Planning Committee, the Library Long Range Planning Committee, and the University Administration with a straightforward statement of how the recommendation for a preferred site was formulated.

The planning consultants are aware that additional factors may be introduced into the evaluation process and that opinions will vary about the scores awarded to different alternatives. The information presented within this document is an attempt not to "prove a winner" but rather to offer a defensible recommendation in

UBC LIBRARY: PHASE I

SITE ANALYSIS REPORT



light of pertinent project criteria, and based upon reasoned conclusions.

CRITERIA FOR CONSIDERATION

The following criteria have been organized under general topics so that they may be readily referred to specific project objectives. These topics include:

- Relationship with the Sedgewick Library
- Relationship with elements of the Campus Plan
- A miscellany of functional, emotional/nostalgic, financial and potential donor considerations

By topic, the criteria are as follows:

Relationship with the Sedgewick Library

- Proximity to the existing structure.
- Prospective configurations with existing structure.
- Enhancement to/detraction from existing plan.
- Functional integration with the existing structure.
- Analysis of floor plates, relative to anticipated functions.

Relationship with major elements of the Campus Plan

- Respect of pedestrian thoroughfares.
- Respect of views.
- Respect of vehicular

- routes.
- Respect of the "Heart of the Campus."
 - Respect of the axes (Main Mall and Main Library)

Miscellaneous

- Relationship to user populations.
- Respect of landscaping, including the Library Garden.
- Aspects of physical presence, including:

Creation of a new "Main Library."

Creation of a new main entrance to the library.

- Phase II (and possibly) Phase III expansion potential.
- Capital cost premiums/savings, including existing/proposed utilities.
- Donor appeal.

ASSUMPTIONS

Since the evaluation inevitably includes subjective opinion, the following assumptions are provided, so that the reader may be aware of the planning consultants' rationale.

About the relationship with Sedgewick Library

Sedgewick Library is an architectural understatement on the UBC campus. Widely acclaimed as a well planned undergraduate facility, it is deceptively buried in a central cam-

pus location. Since the Phase I development is required to *function* with the Sedgewick Library building, the proximity to and configuration with the Sedgewick structure in fundamentally important. Generally, "end on" and tenuous links with the existing building have been ranked lower than those options which more fully interface with the existing building.

Each of the alternative sites has an impact on the Sedgewick Library design. Some create natural affinities to, and enhancement of the original building, whereas others are unrelated, even detracting to the existing building.

Functional integration with the existing building is essential. Generally, higher scores have been given to arrangements which logically expand the ways in which current Sedgewick spaces may be utilized. Also, preference has been given to alternatives which enhance the floor plates of the existing building, and provide improved movement within and around the present structure.

About the Campus Plan

Nearing completion, the Campus Plan proposes a framework within which future planning on the UBC campus should occur. Siting alternatives have been evaluated against salient criteria from the Campus Plan.

Key in the plan is the intent to

maintain the Library Garden as a "memorable" space, and to create a "presence" opposite to and axial with the Main Library Building. Although not an absolute, the plan is accepted as an equivalent to a municipal zoning by-law, and recognized as a guiding document. As such, siting options which obstruct or conflict in some way with the intent and purpose of the Master Plan are rated lower than those which do not.

Site options which interfere with pedestrian thoroughfares and vehicular routes as shown in the Campus plan score lower.

Important, views within and across the "heart of the campus" are taken into account: solutions which encroach or obstruct these views and adversely affect the definition of space around the heart are scored lower.

Since much has been said about the importance of axes (Main Mall and Main Library included) within the campus plan, those site options which either detract or do nothing to reinforce the axes score lower.

About other factors

Since strategic and functional decisions have been made about the activities of the Phase I/Sedgewick integrated entity, proximity to users has been taken into account. Given that the main stacks will house most, if not all of the Humanities/Social Sciences collection, the further away from the

Buchanan Building, the lower the site is scored.

Recognizing the emotional/historical significance and attachment that the Library Garden commands on the UBC campus, site options which do not interfere with this resource score higher.

Most important to the University Librarian and the library organization is that need to create a sense of physical presence of the library on the campus. Solutions which do not enhance the Library's presence are rated lower. Related to this is the further consideration that underground buildings are not inherently attractive for donors, since little or no visible physical structure results from the investment. Low profile or completely underground structures have been given a lower score.

As an extension of the Library's need for presence, once additional feature - the Main Entrance - has been given special consideration.

Site options which do not lead to natural solutions for a prominent main entrance have been given a lower score too.

Although not part of the \$24M commitment, the need exists to assess ways in which each site alternative relates to potential phases of expansion. Sites which offer logical and integrated expansion options are given a higher score.

Finally, capital costs have been taken into account. Characteristics of each site have been assessed relative to each other, ie. sites which present neither premiums nor savings have been rated as average, those sites with inherent premiums have been rated lower than average, and site alternatives with potential savings have been rated higher.

The schematic plan on the preceding page (*figure 1*) illustrates the ten prospective sites which have been evaluated. As can be observed, they represent a selection of locations which, in one configuration or another, may be functionally and structurally associated with the Sedgewick Library. Other sites, or combinations of sites were also considered, but eliminated from this process because they represented only variations on the options which have been explored.

OBSERVATIONS

Raw Scores

Total raw scores (*figure 2*), are the sum of 16 scores applied to each criterion for each site option. Scores are rated on a scale of 0-5, where 0 is unacceptable, and 5 is excellent.

SITE OPTION	CRITERIA FOR CONSIDERATION																TOTALS
	SEDGEWICK				CAMPUS PLAN						OTHERS						
	PROXIMITY TO SEDGEWICK	PROSPECTIVE CONFIGURATIONS WITH SEDGEWICK	ENHANCEMENT/DETRACT FROM EXISTING PLAN	FUNCTIONAL INTEGRATION WITH EXISTING STRUCTURE	RESPECT OF PEDESTRIAN THOROUGHFARES	RESPECT OF VIEWS	RESPECT OF VEHICULAR ROUTES	RESPECT OF HEART OF THE CAMPUS	RESPECT OF AXES (MAIN MALL/MAIN LIBRARY)	RELATIONSHIPS TO USERS	RESPECT OF LANDSCAPING INCLUDING LIBRARY GARDEN	CREATION OF NEW 'MAIN LIBRARY'	CREATION OF A NEW MAIN ENTRANCE	PHASE II & PHASE III EXPANSION	CAPITAL COST PREMIUMS/SAVINGS	DONOR APPEAL	
1. SEDGEWICK NE	3	3	3	3	1	0	5	0	1	5	0	1	2	1	3	3	34
2. SEDGEWICK SE	3	3	2	3	0	0	5	0	1	4	0	1	2	1	3	3	31
3. NW SEDGEWICK	3	3	2	3	1	5	5	3	4	4	5	2	3	3	0	3	49
4. SEDGEWICK WEST	5	5	4	4	5	4	5	5	5	4	4	5	5	3	4	3	70
5. SEDGEWICK SW	3	3	3	3	1	2	5	3	3	3	5	2	2	3	0	3	44
6. BUCHANAN SOUTH	2	1	5	2	5	5	0	5	5	5	4	0	1	1	3	0	44
7. SEDGEWICK EAST	5	5	4	4	4	3	5	1	1	4	1	4	5	1	2	0	49
8. NORTH MAIN MALL	4	3	4	4	4	5	0	4	5	5	2	0	1	1	2	0	44
9. LASSERRE SOUTH	2	1	5	2	5	5	0	5	5	4	4	0	2	1	3	0	44
10. SOUTH MAIN MALL	4	3	4	4	4	5	0	4	5	3	2	0	1	1	1	0	40

0 = UNACCEPTABLE 5 = EXCELLENT

Figure 2 - Site Evaluations - Raw Scores



The site scores fall into three general groupings:

- 31-34, for two sites to the east of the Sedgewick Library, occupying the treed areas of the Library Garden.
- 41-49, for a variety of sites to the north, northwest, south and east of the Sedgewick Library.
- 70 for the site which occupies the excavated area to the west of the Sedgewick Library.

All but the highest scoring option score zero (unacceptable) in one or more categories. The two lowest scoring options are rated as unacceptable on the topics of respect of views, respect of the "Heart of the Campus" and respect of the landscaping. In addition, Site Option 2 (the lowest scoring of all) is rated as unacceptable with respect to pedestrian thoroughfares.

Options 6, 7, 8, 9 and 10 all score zero in the final category – donor appeal. All of these solutions are subterranean, and considered unattractive not only to a potential benefactor, but (with the exception of Option 7) quite unable to create a new Main Library – a strong entity, presence, and manifestation of the Library organization on the campus.

Only two options (4 and 7) are considered to have an excellent relationship with the existing Sedgewick Library. Although several solutions will increase the overall area of the existing Sedgewick Library floors, all but two do so in tenuous, inefficient and potentially dysfunctional ways. Options 4 and 7 would combine with the Sedgewick Library on the "long side", allowing existing floor plates to be enlarged, without "bottleneck" connections, thus enabling good functional relationships, natural growth and straightforward process flow. Unfortunately, Option 7 would occupy the library garden, and adversely change the character of the area.

The Library Phase I project is fixed at \$24M. Two options (3 and 5) are rated as unacceptable in this category due to premiums and time delays associated with the demolition of existing structures and the additional cost of finding new accommodation for present occupants. Option 3 requires the demolition of the Old Administration Building, whereas Option 5 would necessitate the demolition of the Math Annex Building. Four of the options are considered cost neutral – creating neither a cost premium nor a saving. Three options (7, 8, 9 and 10) are estimated to incur premiums due to either relocation of existing services or underground construction on a restricted site. Only one option (4) is considered to offer a potential saving, because the

	CRITERIA FOR CONSIDERATION															TOTALS	
	SEDGEWICK					CAMPUS PLAN					OTHERS						
Weighting Factor	PROXIMITY TO SEDGEWICK	PROSPECTIVE CONFIGURATIONS WITH SEDGEWICK	ENHANCEMENT/DETRACTION FROM EXISTING PLAN	FUNCTIONAL INTEGRATION WITH EXISTING STRUCTURE	RESPECT OF PEDESTRIAN THOROUGHFARES	RESPECT OF VIEWS	RESPECT OF VEHICULAR ROUTES	RESPECT OF HEART OF THE CAMPUS	RESPECT OF AXES (MAIN MALL/MAIN LIBRARY)	RELATIONSHIPS TO USERS	RESPECT OF LANDSCAPING INCLUDING LIBRARY GARDEN	CREATION OF NEW "MAIN LIBRARY"	CREATION OF A NEW MAIN ENTRANCE	PHASE II & PHASE III EXPANSION	CAPITAL COST PREMIUMS/SAVINGS	DONOR APPEAL	
1. SEDGEWICK NE	6	3	6	6	1	0	5	0	1	10	0	3	6	3	6	9	70
2. SEDGEWICK SE	6	3	4	6	0	0	5	0	1	8	0	3	6	3	6	9	60
3. NW SEDGEWICK	6	3	4	6	1	5	5	6	4	8	10	6	9	9	0	9	91
4. SEDGEWICK WEST	10	5	8	8	5	4	5	10	5	8	8	15	15	9	8	9	132
5. SEDGEWICK SW	6	3	6	6	1	2	5	6	3	6	10	6	6	9	0	9	84
6. BUCHANAN SOUTH	4	1	10	4	5	5	0	10	5	10	8	0	3	3	6	0	74
7. SEDGEWICK EAST	10	5	8	8	4	3	5	2	1	8	2	12	15	3	4	0	90
8. NORTH MAIN MALL	8	3	8	8	4	5	0	8	5	10	4	0	3	3	4	0	73
9. LASSERRE SOUTH	4	1	10	4	5	5	0	10	5	8	8	0	6	3	6	0	75
10. SOUTH MAIN MALL	8	3	8	8	4	5	0	8	5	6	4	0	3	3	2	0	67

Figure 3 - Site Evaluation - Weighted Scores

site is already largely excavated – the West Garden (or "Pit" as it is also referred to).

Although funding for subsequent phases of development has not been approved, it is nevertheless considered essential that whichever option is selected, there must be a natural, obvious and functional direction for additional growth. Here, only three options (3, 4 and 5) rated better than poor. Because so many of the site options are tenuous with the existing Sedgewick Library structure, their additional expansion only serves to heighten the less-than-ideal relationship. In turn, these lead to strange configurations, linear (unsquare) proportions, and the need for additional major entrances in the future which result in decreased security, dilution of the concept of the "main entrance" and the notion of a "first stop" service centre for the Library. None of the site options are considered ideal for expansion, mainly due to the congestion of prospective adjacent building sites around the core of the campus. Nevertheless, the sites of the Old Administration Building, the Mathematics Building and the Mathematics Annex have been considered as acceptable growth options, given the anticipated several year lag before subsequent phases will be funded, and the aspiration within the Campus Plan to replace the old buildings in this part of the campus.

Weighted Scores

The second score sheet

(figure 3) displays weighted scores for the site options. Each of the criteria have been assessed a relative degree of importance. Of the 16, five (perhaps the least important) have not been given added weight. These are:

- proximity to the Sedgewick Library
- respect of pedestrian thoroughfares
- respect of vehicular routes
- respect of views, and
- respect of the Main Mall and Main Library axes.

Seven criteria have been weighted x 2. These are:

- proximity to the Sedgewick Library
- enhancement of/detract from the Sedgewick Library
- respect of the "Heart of the Campus"
- relationship to the users (recognizing that in its initial development, the major collection in Phase I will be Humanities/Social Sciences)
- respect of the landscaping and the Library Garden
- capital cost premiums/savings.

Four criteria are considered most important, and have been weighted x 3, as follows:

- the creation of a new "Main Library"
- the creation of a new main entrance to the Library system
- Phase II and Phase III expansion capability
- donor appeal

The weighted scores provide

evidence of the real disparity between the site options, and a means of recognizing their relative strengths and weaknesses. Scores range from a low of 60 for Site Option 2, to a high of 132 for Site Option 4.

Three sites (options 3, 4 and 7) emerge ahead of the majority. Site Option 3, paradoxically, is considered unacceptable for reasons mentioned earlier (the site of the Old Administration Building). Of these three, Site Option 4 scores a relatively exceptional 132.

CONCLUSIONS

There is no ideal site for Phase I development.

There are many mediocre alternatives that militate against good functional relationships, against a strong physical presence of a modern library and against a civic statement worthy of the academic core of the UBC campus.

Only Site Option 4 rates better than unacceptable in every category.

The weighted scores serve further to demonstrate the inherent strengths of Site Option 4.

The option with the second highest score (Option 3) is unacceptable because the site is not currently available. This provides further credibility to Site Option 4, because it could naturally consume this site in a few years hence, as a subsequent phase of development.

The option with the third highest score (Option 7) has little or no donor appeal, has little respect of the Library Garden and has no natural, obvious, and functional patterns of expansion.

Option 4 (the highest scoring) provides a good functional link to the Sedgewick Library, several directions for expansion into subsequent Phases (to the north, west and south). It provides a natural boundary to the west side of the heart of the campus (without encroaching into it), relating strongly to Main Mall and to the existing Main Library Building. Existing Sedgewick Library floors (each about 55,000 sq. ft.) can be expanded to approximately 75,000 sq. ft. whilst maintaining generally square proportions. A main entrance to Option 4 naturally occurs at Main Mall level, on axis with the existing Main Library Building, providing a roughly central point of entry into the the expanded footprint of the integrated facility at a middle floor (level three of a five storey structure which would appear three storeys above the ground). Such a central entrance fits comfortably with the need to create a clearly defined service point for the new Library.

RECOMMENDATION

That Site Option 4, west of the Sedgewick Library, be adopted as the site of the Phase I Library Centre development.

People

Mackworth wins ITAC/NSERC award

Computer Science Professor Alan Mackworth has won the \$50,000 ITAC/NSERC award for his leadership in the field of information technology research in Canada.

The award is presented by the Information Technology Association of Canada, a consortium of major information technology companies, and the Natural Sciences and Engineering Research Council.

Half of the award is to supplement salary and is funded by ITAC. The other \$25,000 is funded by NSERC and must be used for research.

Mackworth and his colleagues have established the new Laboratory for Computational Intelligence at UBC. He is the Shell Canada Fellow in the Canadian Institute for Advanced Research's artificial intelligence and robotics program. As well, he is a project leader in the national Network of Centres of Excellence Institute for Robotics and Intelligent Systems.

Mackworth was one of two recipients of the award; the other is Howard Card of the University of Manitoba. The award was presented at a ceremony held at the Museum of Civilization in Hull, Quebec, on April 23.



Mackworth

Robert Silverman has been appointed as the new director of UBC's School of Music.

Silverman will assume the directorship on July 1, 1991, replacing William Benjamin who has been in the position since 1984. Benjamin will return to full-time teaching and research at the school.

Silverman came to UBC in 1973, having taught previously at the universities of California at Santa Barbara and Wisconsin in Milwaukee. A distinguished pianist, he has performed throughout North America, Europe, the Far East, the Soviet Union and Australia.

Professor Silverman plans to continue his concert career and has scheduled appearances with Music Toronto and the Winnipeg Symphony Orchestra.



Silverman

for the Faculty of Health Sciences on May 10.

The University of Ottawa will confer a Doctor of the University degree on Baird during convocation ceremonies taking place at the National Arts Centre on June 10.

Currently, Baird is chairing the Royal Commission on New Reproductive Technologies and was recently appointed a vice-president of the Canadian Institute of Advanced Research. She is also co-chair of the 1991 National Forum of Science and Technology Councils.

She has been a member of UBC's Faculty of



Baird

identify why the number of caesarean deliveries is on the rise in B.C. and in selected centres nationwide. It is also charged with recommending ways in which women can have choices between different approaches to safe delivery.

Carty, who is a registered nurse and midwife, is one of 11 members appointed to the task force. The project will be administered by the B.C. Reproductive Care Program.

Pharmaceutical Sciences Professor Sid Katz has been appointed Executive Director of Science World British Columbia.

A non-profit, self-supporting institution, Science World seeks to increase public awareness, understanding and appreciation of science and technology, provincewide, through a program of informal educational activities, live demonstrations and exhibits.

In his capacity as a consultant to Science World over the past few years, Katz has planned exhibits for the main gallery and organized several lecture series.

He assumes his new position June 1, and will continue his research activities within the Faculty of Pharmaceutical Sciences.

Berkowitz & Associates

Statistics and Mathematics Consulting

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Economist defeats odds

By ABE HEFTER

What do you want to be when you grow up?

When that question was asked of young women in Australia in the late 1960s, they were pretty well limited to three career choices: secretary, nurse or teacher.

That wasn't enough for Barbara Spencer — she was determined to become an economist.

Almost 30 years after entering Australian National University in Canberra, where she was the only woman in a class of 70 economics students, Spencer has emerged as one of the leading scholars in international trade theory and policy. The UBC Commerce and Business Administration professor is a pioneer in the development of strategic trade policy based on techniques drawn from the

industrial organization area. Her work has opened up a new branch of the literature concerned with understanding the implications of government trade and industrial policy. Last year she was awarded a UBC Killam Research Prize for excellence in her field of research.

While growing up in Australia, Spencer was determined to succeed academically in a country that legislated women out of the public sector work force when they married, a practice that remained in effect until 1970. It's not that Spencer considered herself a crusader for women's rights — she just wanted a job that she enjoyed doing. That didn't include teaching, nursing or secretarial work.

"Initially, I wanted to be a chemist," said Spencer. "But after getting into statistics at the university level, I set my sights on being an economist. Not very many women became economists in Australia in those days and my father, although very supportive, tried to discourage me from pursuing a career in economics because he felt I would simply have a difficult time getting a job."

After graduating, Spencer became

a full-time tutor in the Faculty of Economics and Politics at Monash University in Melbourne.

She came to Canada in 1970 and joined the University of Manitoba, where she remained until joining Boston College in 1980 as an associate professor. After five years in Boston, Spencer came to UBC as an associate professor. She was promoted to professor July 1, 1988.

Spencer considers her research into strategic trade policy her most significant academic contribution to date. A dozen of Spencer's publications in the area of industrial organization were co-authored by her husband, James Brander, who is also a UBC Commerce and Business Administration professor.

One of Spencer's current projects involves determining the attitude of unions towards technological change.

"I believe technological change is fundamental to competitiveness and general economic growth. I had done research into unions in the past, but had not addressed the issue of technological change."

Spencer said this is just one area that she is currently researching. As someone who thinks about her research just about every waking moment of the day, Spencer said there are no shortages of research topics to tackle — it's a question of finding the time.

"At this stage in my career, I have a tremendous load of outside requirements in terms of teaching and administrative work in general. I am as busy now as I have ever been — and then I have my five-year-old daughter as well. My biggest challenge these days is juggling my academic career with my home life."



Spencer

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