SPECIAL COLLECTIONS

# First major B.C. solar energy conference here

The Solar Olympics, in which contestants attempt to convert water to steam with only the sun as fuel, will be a highlight of an international conference on solar energy to be held next week at UBC.

Solwest 80, the first major solar conference ever held in B.C., is sponsored jointly by the Solar Energy Society of Canada and the Pacific Northwest Solar Energy Association. More than 1,000 official delegates are registered, with many more expected to attend public workshops and the Solar Olympics.

Technical sessions of the conference run Aug. 6 through Aug. 9, with a number of day-long workshops for professionals scheduled for Tuesday, Aug. 5. Public workshops are Aug. 9 and 10, and the Solar Olympics Aug. 10.

Richard Kadulski of Vancouver, vice-president of the Solar Energy Society of Canada and chairman of the Solwest 80 steering committee, said the conference comes at a crucial point in the energy history of Canada.

"This may be our last opportunity to examine the potential of direct solar and related renewable energies before the current uneconomic practice of artificially supported oil prices collapses and we are faced with the real jaws of an energy crisis."

He said the Solwest 80 conference should appeal to three broad categories of participants: the international community of scientists dedicated to the research of solar renewable energies; the designers, engineers and builders devoted to bringing the theoretical knowledge generated by the scientists to general use; and those members of the general public who would like to see what solar energy can do for them and who would like to learn how they might contribute to the solar effort.

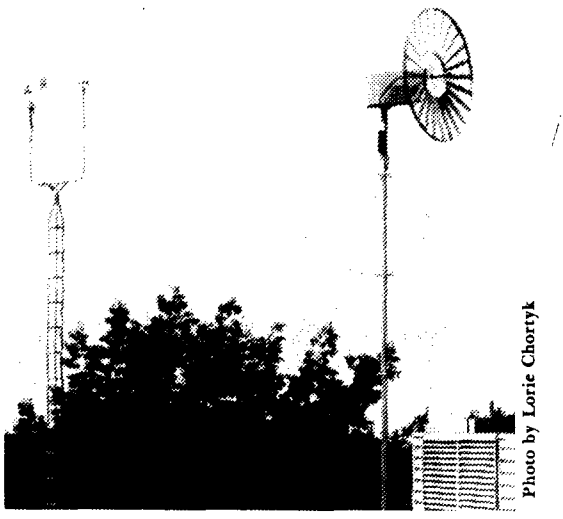

Photo by Lorie Chortyk

**The windmill-type structure on the roof of the Civil and Mechanical Engineering Building is actually a 500-watt wind turbine which monitors the speed and direction of the wind and records it on a micro-computer. With this information Engineers will be able to determine what kinds of energy, and how much power can be generated through this type of windmill.**

A series of hour-long public sessions Aug. 9 and 10 (with a fee of $1 per person per workshop) will deal with such matters as solar greenhouses, solar hot water systems for the home, swimming pool heating systems, wood stove heating, earth house construction, and wind energy.

Speakers at Solwest 80 include Diana Rains of the California Energy Commission, Jacques Sicotte of Montreal, president of the first Canadian manufacturing comany to be devoted exclusively to the solar energy industry, and Doug Balcomb, president of the American section of the International Solar Energy Society.

Most conference sessions will be held in the Woodward Instructional Resources Centre, although the War Memorial Gymnasium and the Student Union Building will also be used for Solwest 80. Solar exhibitions, all open to the public, will be set up in the central area of IRC and in the lobby of the gym.

The Solar Olympics will start at 1 p.m. Aug. 10 at MacInnes field, immediately north of the gym.


# UBC reports

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# Biely Research Prize awarded for cancer work

UBC Professor Julia Levy has received the 1980 Jacob Biely Research Prize for her research in basic and applied immunology.

She and her research team have succeeded in developing a highly sensitive, quick and inexpensive test to detect lung cancer at an early stage.

Most of her work concerns fundamental research on the mechanism controlling the immune system. During the past 10 years she and her team have tried to discover substances manufactured by the body in its attempt to kill the cells of various forms of cancer including intestinal cancer, leukemia and lung cancer.

Lung cancer, Prof. Levy said, is a major killer. Because early diagnosis is difficult, 90 per cent of patients die within five years. Early detection would improve the survival rate enormously, Prof. Levy said.

She and her team are currently trying to determine how effective their detection test for lung cancer would be on a mass scale.

As a cellular biologist, Prof. Levy is an expert on how the body defends itself from such invading foreign substances as viruses and bacteria.

Prof. Levy began her work about 10 years ago when scientists were pessimistic about a breakthrough in cancer work through studying the immune system. Their scepticism followed exaggerated hopes in the 1960s of an imminent breakthrough in cancer immunology.

After five years of work, she and her team had made little progress.

Then they made their first discovery. They found an antigen that appeared to be common to all types of lung cancer, but to no other forms of cancer.

She has received blood from health research agencies for testing. Some of the samples were from lung cancer victims and some were from healthy people. In each case she was able to break the code and correctly identify those with cancer.

At the moment the team is running her test on a large number of samples to see if it can be applied on a mass scale as a screening device for early detection of lung cancer.

The Biely Prize is awarded annually to a UBC faculty member for distinguished research carried out during the previous three years. It was established by Mr. and Mrs. George Biely in honor of Prof. Jacob Biely, former head of UBC's Department of Poultry Science. George Biely is Prof. Biely's brother.

**Prof. Julia Levy**

# First appointment named to new UBC chair in accounting

Prof. Richard Mattessich is the first appointment to the Arthur Andersen and Company Alumni Chair in Accounting in UBC's Faculty of Commerce and Business Administration.

The appointment to the endowed chair is for a seven-year term. It was made possible by an endowment from the Arthur Andersen Foundation and from Vancouver members of the international accounting firm, which has offices across Canada.

Dr. Mattessich has taught accounting theory and research methodology at UBC since 1967. He has been a Ford Foundation Fellow, an Erskine Fellow, a Killam Senior Fellow and received the international Accounting Literature Award of the American Institute of Certified Public Accountants for 1972/73.

He recently served with the Social Sciences and Humanities Research Council as a member of its Consultative Group on Business, Management and Administrative Studies. He now serves as a member of the electorate and Board of Nominations of the "Accounting Hall of Fame" in the United States. Several of his books on accounting and systems methodology have been published in foreign editions.

UBC Commerce Dean Peter Lusztig praised the members and management of Arthur Andersen and Co. Vancouver office for their foresight in providing the type of support which "can help universities attract and retain the most distinguished faculty members available. It can also offer tangible benefits to the firm involved by assisting in the development of recruitable talent as well as supporting research and teaching in their particular field," he added.

**Prof. Richard Mattessich**

R. Beverly Harrison, managing partner of the firm's Vancouver office, sees the funding of the chair, "as a way that accounting firms can assist universities to ensure that Canadian graduates are exposed to the best brainpower available in the field."

* * *

Two new department heads and one new director have been appointed within the Faculty of Medicine.

Terence William Anderson has been appointed head of the Department of Health Care and Epidemiology, succeeding Cortlandt Mackenzie. Dr. Mackenzie, who is also chairman of the B.C. Pollution Control Board, gave up the headship a year ago, remaining a professor within the department. Dr. Anderson comes to UBC from the University of Toronto.

Appointed head of the Department of Physiology is John Russell Leusome, a UBC physiologist since 1968. He succeeds Harold Copp, who retired June 30.

UBC history professor John Norris was appointed director of the Division of the History of Medicine and Science. Dr. Norris, a native of Kelowna and a graduate of UBC, fills a post left vacant two years ago when Bill Gibson left UBC to become chairman of the Universities Council of B.C.

All three appointments, announced by Dean of Medicine William Webber, are effective immediately.

## Faculty okay pact

Members of the Faculty Association have voted in favor of a new salary agreement with the University.

The agreement provides for a general increase of 8.6 per cent, from July 1, 1980. Faculty members may also be eligible for career progress increments, merit awards or salary adjustments to rectify inequities or anomalies.

The general salary increase for professional and administrative staff is 10 per cent, matching the increase negotiated by campus locals of the Canadian Union of Public Employees, the International Union of Operating Engineers and the Association of University and College Employees.

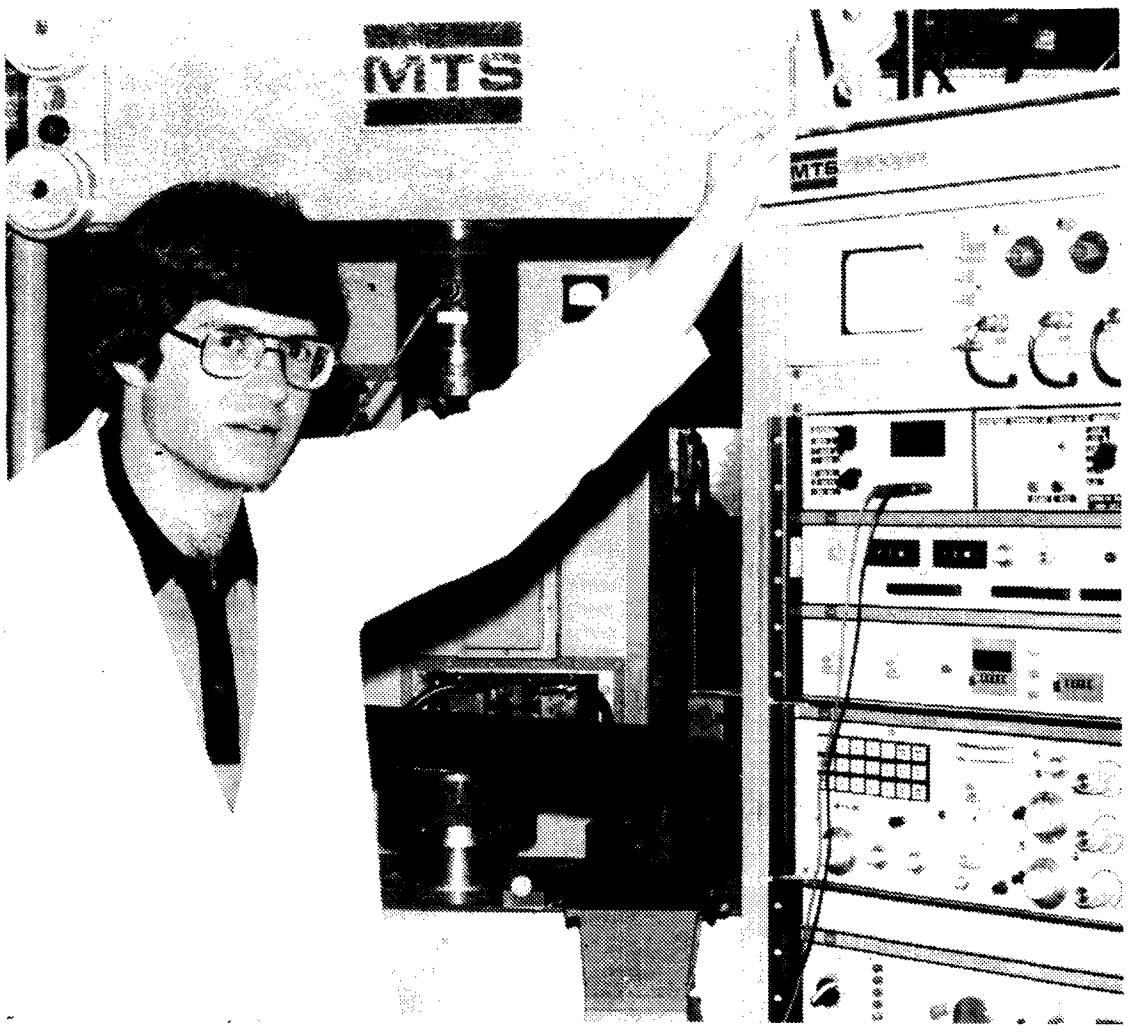


Photo by Lorie Chortyk

Stephen Mulford researches the properties of steel in UBC lab.

# Summer jobs range

In a small aluminum boat on the Fraser River two students tag salmon fry as part of ongoing research on the salmon life cycle. In the basement of the Museum of Anthropology more students are cataloguing archeological artifacts found in a 1959 excavation. In the Music Building more than 7,000 pieces of music are being indexed by a music student. Diverse as these tasks are, all have one thing in common — they are Youth Employment Program (YEP) projects being carried out by UBC students this summer.

More than 600 UBC students are working under the YEP this summer. The program, which is funded by the Ministry of Labour, runs from May 1 to Aug. 31.

**RANGE OF PROJECTS**

The projects range from performing arts — such as the three productions by 15 members of the Stage Campus '80 theatre company to be staged this summer at UBC's Dorothy Somerset Studio — to scientific research, to community services.

For instance, two agricultural sciences students, Sarah Curtis and Clint Hilliard are manning the Hortline, a telephone service for anyone with problems or queries about plant care. The Hortline receives 40 to 60 calls a day with questions about such things as diseases, insects, fruit and vegetable care and the care of indoor plants.

**COURSES UPDATED**

Many of the projects involve updating material used in courses at UBC. Ken Teng, a biology graduate, is designing labs for Zoology 411, which doesn't presently have a lab section. Ronalie Corbett, an education student, is gathering information on effective speech communication for teachers. The material will be used in Education 416, a course on improving the communication skills of prospective teachers.

For the community education program, Catherine Fisher, who graduated this year from that program, is putting together a resource file of lesson plans and ideas for the community ed students to use on their practicums.

## Feeling of garden party

# "Somewhere

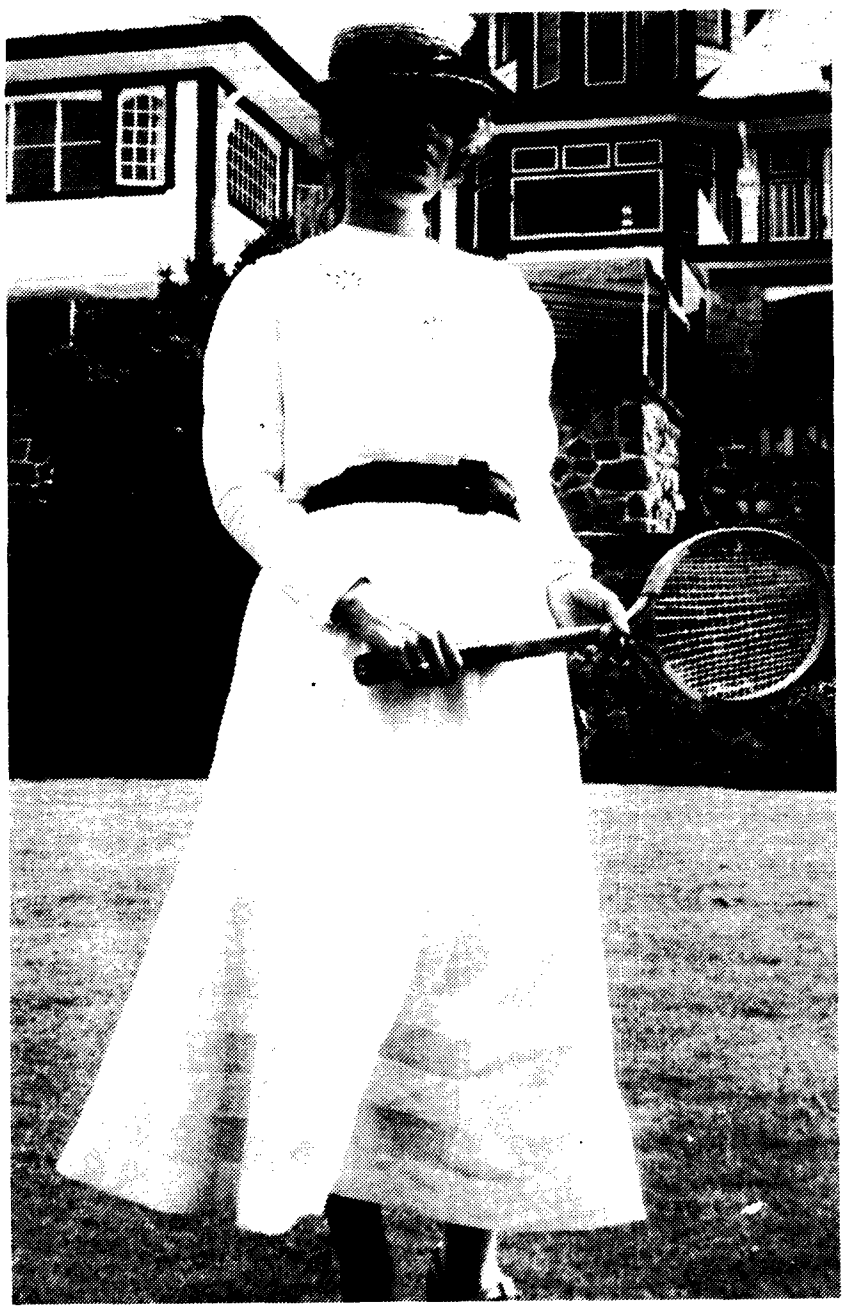

Photo by Judie Steeves

**In keeping with the old-fashioned theme of the day, Karen Todhunter from the Centre for Continuing Education donned a turn-of-the-century tennis outfit for her duties at the registration desk. Prior to the party, she modelled it in front of the mansion, which proved a perfect setting for the event. The garden party was a CCE summer event which drew nearly 150 people.**

**"There! That should do it," is the comment as the final touch is put on a costume display as part of the event. The Canadiana Costume Society's involvement provided the perfect background of authentic dress from the early 1900's. In addition to dressing the part themselves, members set up a display inside Cecil Green Mansion of some of the group's collection of costumes.**

Photo by Judie Steeves

# from lab to river

**DATA GATHERED**

Some of the projects combine gathering information for UBC courses and becoming involved in off-campus organizations. Will Sluis, a graduate of the School of Physical Education and Recreation, is interviewing members of the B.C. Sports Hall of Fame. The resulting tapes will be used at the Sports Hall of Fame to preserve information about individual careers, and will be used at UBC in the teaching of sports history courses.

**SCIENTIFIC RESEARCH**

One of a number of students working on scientific research is Stephen Mulford. He is conducting tests of the cooling rate of steel to see how different rates affect the structure and strength of the steel. The tests, which are being done with equipment designed and built at UBC this summer, will provide information enabling steel manufacturers to produce steel with specific properties for their customers.

**OFF CAMPUS TOO**

While most of the projects are underway on the Point Grey campus, some students are working in other areas in the Lower Mainland. Ken Young, a history student, is working out of his Delta home locating, identifying and copying historical photographs of life and industry in the Delta area. The results of his summer work will be available in the Delta Museum.

Some projects are being undertaken even further away from Vancouver. George Rushworth, an agricultural sciences student, is conducting surveys in Prince George, Kelowna, Kamloops, Penticton and Vernon about UBC's Agricultural Sciences Interior Program, which offers UBC courses at community colleges in Interior centres. Mr. Rushworth is finding out from Interior science students what courses already offered by the program are most valuable and what courses the students would like to see added to the Interior program.

Grants to the University for YEP projects this summer will total $1.22 million.

Photo by Lorie Chortyk

Ross Chandler (left) and Doug Hallson (right) tag salmon on Fraser River.

## at Cecil Green Park

# else in time"

Many of the participants — who ranged in age from babies to their grandparents — also came in costume, such as these two fans of the game of croquet. The old-fashioned garden party was the first such event staged by CCE, but if success is any criteria, it probably won't be the last.

Photo by Lorie Chortyk

Adding to the turn-of-the-century atmosphere with some old-time songs were the Confederation House Singers. Dressed in gaily-colored reproductions of early 1900 costumes, the singers gave afternoon and evening performances on the spacious patio of Cecil Green Mansion.

Photo by Lorie Chortyk

# UBCalendar

## UBC CALENDAR DEADLINES

Events in the week of:
Aug. 10 to Aug. 16 Deadline is 5 p.m. July 30
(a day earlier because of B.C. Day )
Aug. 17 to Aug. 23 Deadline is 5 p.m. Aug. 7
Send notices to Information Services, 6328 Memorial Rd. (Old Administration Building), Campus. For further information call 228-3131.

## SUNDAY, AUG. 3

**12 noon** **TODAY'S THEATRE performance events.** Tessa Warburton, Director; Bob Turner, Producer; Paul Grant, Musician. Repeated at 2:00 p.m. and followed at 3:30 p.m. by participatory workshop on music/communication for the adult and child. Performance fee: $1 a person; Workshop fee: $3 a person. Hut 89, 2727 Acadia Road, campus. For information call Bob at 228-9803; Tessa at 228-9673.

**INTERNATIONAL HOUSE Camping Trip** to Long Beach. Call 228-5021 for details.

## MONDAY, AUG. 4

*B.C. Day. University closed.*

**8:00 p.m.** **MUSIC FOR SUMMER EVENINGS.** Martin Hackleman, french horn; and Robin Chow, piano, perform **Music of Schumann, Wilder, Sinigaglia and Beethoven.** Recital Hall, Music Building.

## TUESDAY, AUG. 5

**12:30 p.m.** **SUMMER SOUNDS '80.** Summer Session Association presents a free concert with **David Jones Quartet.** Music Building.

## WEDNESDAY, AUG. 6

**12:30 p.m.** **SUMMER SOUNDS '80.** Summer Session Association presents a free concert with **Pacific Brass.** Clock Tower.

**3:30 p.m.** **FINANCE SEMINAR.** Dr. Karl Borch, Institute of Insurance, The Norwegian School of Economics and Business Administration, on **Problems in the Economics of Uncertainty.** Penthouse, Angus Building.

**5:30 p.m.** **WOMEN'S NETWORK BARBECUE.** Bavarian Gardens, Grouse Mountain. Registration fee: $14, members; $18, non-members. Seating limited; registrations close Friday, Aug. 1, 1980. Information 228-2181, locals 223 or 272.

## THURSDAY, AUG. 7

**12:30 p.m.** **SUMMER SOUNDS '80.** Summer Session Association presents a free concert with **Fraser Valley Wind Quintet.** Music Building.

**8:00 p.m.** **MUSIC FOR SUMMER EVENINGS.** Victor Costanzi, violin; Rita Tursi-Costanzi, harp; and Kazuo Tokito, flute, perform **Music of Miyage, Persichetti, Tournier, Grieg, Donizetti, Grandjany and Ibert.** Recital Hall, Music Building.

**REGENT COLLEGE LECTURE.** Howard Martin, Dramatic Art, University of Iowa, and vocal coach for the University Theatre, on **Touching the Silence: Communicating the Gospel in Our Time.** St. John's (Shaughnessy) Anglican Church, 1490 Nanton Ave., Vancouver.

## FRIDAY, AUG. 8

**12:30 p.m.** **SUMMER SOUNDS '80.** Summer Session Association presents a free concert with **Ken Ogilvie Quartet.** SUB.

**7:00 p.m.** **FACULTY CLUB Summer Salmon and Beef Barbecue and Dance.** Dining from 7 to 9 p.m.; dancing from 9 p.m. to 1 a.m. $14.50 per person. Reservations required. Please indicate whether you prefer salmon or beef when making your reservation. Music by the "City Haul" Orchestra. Members and guests only.

**8:00 p.m.** **GAY PEOPLE OF UBC** host a concert in conjunction with Vancouver's 4th Gay Unity Week. **Rebecca Valrejean, song-writer, vocalist, in concert with pianist David Roundell.** Recital Hall, Music Building. For further information, please contact Richard at 684-0552.

## SATURDAY, AUG. 9

**8:00 a.m.** **ECONO$CAPE.** Seminar on Investments with experts in **Gold, Real Estate, Art, Stocks, Pensions and Tax Planning.** Student Union Building Ballroom. For information, call 681-5226. Fee $35.

## HEALTH EMERGENCIES

The Student Health Service has now moved into the Walter C. Koerner acute care unit on campus except for x-ray services and the student hospital which remain at the Wesbrook Building at present.

Campus emergencies will be handled by Student Health Service Monday to Friday, 8 a.m. to 4 p.m. After-hours emergencies should be directed to the third-floor University Health Service Hospital in the Wesbrook Building. This emergency service will continue until fall, 1980

## UPCOMING CONFERENCE

**NATO Advanced Study Institute — Generalized Concavity in Optimization and Economics** — Aug. 4-14, Curtis Building (Faculty of Law), UBC. For research workers in the fields of applied mathematics, operations research and economics. Further information available from Prof. William Ziemba, local 5304.

## FITNESS APPRAISAL

The School of Physical Education and Recreation offers a comprehensive physical fitness assessment through the John M. Buchanan Fitness and Research Centre in the Aquatic Centre. A complete assessment takes about an hour and encompasses various fitness tests, interpretation of results, detailed counselling and an exercise prescription. The assessment costs $15 for students and $20 for all others. To arrange an appointment, call 228-3996.

## PSYCHOLOGY EXPERIMENTS

We need volunteers to participate in experiments on emotional feelings and verbal memory. The study takes about one hour to complete, and participants will be paid $5. Complete feedback will be provided. Call the UBC Psychophysiology lab at 228-2756 and ask for Sandy.

## EXHIBITION

An exhibition, entitled **The Fibre Edge,** an exploration of painterly, architectonic and sculptural concerns in fibrous materials, continues until August 15; Monday through Friday, 10:00 a.m. — 4:30 p.m. Fine Arts Gallery, basement, Main Library.

## LIBRARY DISPLAY

**Alphabets of 12-year-olds: Embroidered Samplers of the Saskatchewan Hutterites** is the title of the summer display in the Main Library display case, north wing, 5th floor. On all summer during library hours.

## CAMPUS FOOD SERVICE HOURS

During August, the **Auditorium Snack Bar** will be open from 8:00 a.m. to 3:30 p.m.; the **SUB Snack Bar** will open from 7:00 a.m. to 7:00 p.m.; and the **IRC Snack Bar** and **Barn Coffee Shop** will operate from 8:30 a.m. to 3:30 p.m. The **Education Snack Bar, Buchanan Snack Bar** and **Bus Stop Coffee Shop** will all open at 7:45 a.m., with **Buchanan** closing at 1:30 p.m., **Education** at 3:30 p.m., and **Bus Stop** at 4:00 p.m. The **Mobile Snack Truck, Ponderosa Snack Bar** and **Gymn Snack Bar** will be closed.

## CAMPUS GUIDED TOURS

Guided walking tours of the UBC campus are now available Monday through Friday, at 10 a.m. and 1 p.m. Advance notice appreciated if possible, by phoning 228-3131. Tours can include the geology museum, the libraries, and Botanical Garden, including the Rose Garden and Nitobe Garden. Special tours for groups can also be arranged.

## UPCOMING

A three-day raft trip from Spences Bridge to Yale Aug. 9-11 with Ray Cox, geologist, Douglas College. $175 includes meals. Phone the Centre for Continuing Education, 228-2181.

## STAGE CAMPUS '80

**Habeas Corpus** by Alan Bennett, directed by Rex Buckle, opens Wednesday, Aug. 6, and continues until Saturday, Aug. 16, at 8 p.m. in the Dorothy Somerset Studio. Admission, $3.50; students and seniors, $2.50; Sunday, pay as you can. Tickets and reservations, 228-2678, or at the door.

## 1980 SUMMER SPORT PROGRAMS

An expanded program of sports activities will be offered in the summer of 1980 by the School of Physical Education and Recreation. For further information on any of the activities listed below, call 228-3688.

**ICE HOCKEY** — for boys aged 11-16. Evening school Aug. 18-29. $45.

All the above activities will be held at the Thunderbird Winter Sports Centre, the Osborne Centre and adjacent playing fields on Thunderbird Blvd.

## EXHIBITS

The Woodward Biomedical Library is exhibiting material from its Rare Book Collection on four topics, to coincide with various summer conferences. Titles of the exhibits, which run to September are: **Taxonomic Keys: an early history from Aristotle to Lamarck; Rare Falconry Books; Konrad Gesner's botanical drawings in facsimile;** and **Salmon: Canada's plea for a threatened species.** Exhibits are in the information area of the Woodward Library Concourse and in the Memorial Room.

## CHILD STUDY CENTRE

The Child Study Centre, Faculty of Education, is now accepting applications for nursery school, three- and four-year-old children, for the Winter Session (Sept., 1980 - May, 1981.) For information, call 228-6328.

## MUSEUM OF ANTHROPOLOGY

Through August, the museum's hours will be 12 noon to 9:00 p.m. on Tuesdays and 12 noon to 7:00 p.m. Wednesdays through Sundays. It is closed Mondays. For information about museum activities call Hindy Ratner at 228-5087.

## NITOBE GARDEN HOURS

Until Thanksgiving: Open daily from 10:00 a.m. to half an hour before sunset.

## INTERNATIONAL HOUSE

International House needs temporary and permanent accommodation for international students. If you have sleeping rooms, suites or shared accommodation available and would like to list, please call 228-5021.

## LEGAL ADVICE PROGRAM

The UBC Law Students Legal Advice Program operates 15 clinics throughout the Lower Mainland which offer free legal assistance to people with low incomes. For information about the clinic nearest you, call 228-5791 or 872-0271.

## LOST & FOUND

Campus Lost & Found is located in Brock Hall 112A and is open on Tuesdays from 12 noon to 1:00 p.m.; Wednesdays from 10:30 a.m. to 11:30 a.m.; and on Thursdays from 11:00 a.m. to 12 noon. The office telephone number is 228-5751.

# Campus group set up for single parents

Sandra Beavan is a second-year industrial relations student at UBC. She is also a single parent. Because she understands the difficulties of combining the two, she is spending her summer working on projects to help meet the needs of single parent students.

"A single parent student has all the problems of a student and all the problems of a single parent. At exam time these people have to worry about taking care of the son or daughter who came down with the measles on top of studying for exams," she says.

Ms. Beavan is working out of the Women Students' Office in Brock Hall. One of her projects is setting up an AMS group for single parent students. People who have heard about the group and are interested have been meeting informally throughout the summer.

The purpose of the group is to bring men and women with a common situation together, provide resources such as babysitting, and encourage members to enjoy an active social life.

"Often single parents get cut off from fun," says Ms. Beavan. "In this group we want to get people who understand each other's financial and emotional situations and get them out hiking, camping, dancing, going to the theatre, concerts or dinner — whatever they want to do. One of the ideas behind the group is to take turns babysitting for each other to alleviate one of the financial problems of going out."

Gillian Walker of the Women Students' Office estimates that a third of those in family housing on campus are single parent families.

Most of the social events planned for the group include the children. "Children in single parent families have a little different dimension to their lives also," says Ms. Beavan, who has a 14-year-old son Jon. "It's good for them to be around other kids who understand their situation."

An aspect she is working on for families involved in the group who don't have any immediate family in the Vancouver area is extending the family to other generations through a volunteer grandparents' organization. She is focusing on senior citizens who gather at UBC each year for the Summer Program for Retired People. "Since these people are out on campus they understand about university life. Having an extended family adds a lot to a single parent family."

Although Ms. Beavan is spending time organizing the AMS group, her main task this summer is putting together a directory of resources, both on and off the UBC campus, for single parents. It will include the names of other single parent groups, organizations formed to help single parents adjust to their new lifestyle, and counseling services available to single parents. The directory will be distributed to service agencies in the Lower Mainland when it is completed. After she earns her degree, Ms. Beavan plans to work in one of the service agencies in the area as an administrator.

She hopes the group outings she is planning will help single parent students relax, enjoy themselves and leave their problems at home. Although the group focuses on social events it is not designed as a "dating service". "I tell the group," says Ms. Beavan, "go out and have a good time, all else will follow."

For further information about the single parent students' group contact Sandra Beavan through the Women Students' Office, 228-24[illegible].

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