

UBC vehicles to run on natural gas by fall

Eighteen UBC vehicles operated by the Department of Physical Plant will be running on compressed natural gas instead of gasoline by the end of September.

The performance of the vehicles will be monitored for one year by B.C. Research, the independent industrial research organization located on the UBC campus, under an agreement now in the process of being signed with the provincial government, which will pay for equipment installation and fuel for the duration of the test period.

UBC's energy conservation engineer Arthur Orr said the technique for conversion of the Physical Plant vehicles to enable them to burn compressed natural gas instead of gasoline is a fairly simple one and will be carried out by a B.C. Research technician.

"B.C. has an abundance of natural

gas, but imports 80 per cent of its oil," explained Mr. Orr. "The oil product — gasoline — costs twice as much energy-wise as natural gas. In using compressed natural gas we're moving toward energy self-sufficiency and cutting our costs in half."

The conversion involves mounting on each UBC vehicle a 400-pound cylinder of natural gas compressed to 2,500 pounds per square inch. Each cylinder contains compressed gas equivalent to six gallons of gasoline and should power the vehicle for 80 to 90 miles — at about half the cost of conventional gasoline.

The conversion won't mean that gasoline tanks will be removed from the Physical Plant vehicles, however. Drivers will be able to switch over from compressed gas to gasoline at whim.

B.C. Research will compute the

mileage resulting from the use of both types of fuel and periodically check the engines of the converted vehicles for wear and tear.

There's nothing new or experimental about the conversion, Mr. Orr said. Some 400,000 vehicles have been converted to use compressed natural gas in the U.S. and other foreign countries.

Meanwhile, three UBC students working under Mr. Orr this summer are continuing to carry out energy audits of various campus buildings. Audits have been completed in the Lasserre, Chemical Engineering, Henry Angus and the Civil and Mechanical Engineering Buildings and in the West Mall Annex.

Audits are currently underway in the Woodward Biomedical Library and the Sedgewick Library. Removal of unnecessary lighting and modifica-

tion of mechanical equipment in the buildings will follow analysis of the information collected.

A report on proposed lighting energy conservation measures in the Buchanan Tower has been reviewed and revised in some areas, Mr. Orr said. The final proposal is being reviewed with building occupants prior to implementation. The first phase of mechanical modifications is now being implemented.

Mr. Orr expects to be able to reduce significantly UBC's annual energy bill of some \$4 million through "quick-fix" changes, so-called because little or no money is involved in the alterations.

UBC's present total energy consumption is 54.9 kilowatt hours a year for each square foot of floor space. This compares favorably with the 57.17 kilowatt hours a year per square foot at SFU.

UBC reports

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Jazz fans young and old were on hand Wednesday in SUB Plaza to enjoy a sunny noon-hour concert with the Westside Feetwarmers. The free noon-hour concerts, sponsored by the Summer Session Association, are

presented every day at 12:30 in various locations around the campus. For details on summer session events check the bulletin boards around campus and the weekly UBCalendar.

Photo by Lorie Chortyk

Men's athletics head named

Dr. Robert Hindmarch, Director of Athletics and Sports Services has announced the appointment of Rick Noonan, 36, to the position of director — men's athletic program.

Back at UBC after a year's leave of absence as general manager of the Canadian Olympic Hockey Team, Mr. Noonan will administer the men's athletic program. His position complements that of Marilyn Pomfret, the long-time administrator of the women's athletic program.

Mr. Noonan joined the athletic department July 1, 1970, as head trainer and instructor of athletic injury courses in the School of Physical Education and Recreation. He was responsible for the development of a student trainers corps which provided training services to many of UBC's varsity sports.

A Toronto native, he attended St. Michael's School where he played Junior "A" hockey under Father David Bauer. As a student there he became interested and involved in the art of training. After graduation from Toronto Teachers College, he joined the training staff of the Toronto Maple Leafs, and during the late 1960's served as trainer for Canada's National Team.

While at UBC Mr. Noonan was in constant demand by Team Canada in its several series with the Russian National Team as well as the World Championships. In 1975 he was on loan to the Japanese Hockey Federation which needed his expertise to adopt and develop his advanced training methods.

He will continue to assist the national team program as he has done in the past, but his immediate goals will be in the direction of UBC's broadly-based athletic program.

Site approved for new University Bookstore

UBC's Board of Governors has approved the preparation of working drawings for a new University Bookstore, which is to be built at the corner of University Boulevard and East Mall directly east of the Biological Sciences Building.

The Board approved the site for a new bookstore on the recommendation of the President's Advisory Committee on Land Use and authorized President Douglas Kenny to make application to the provincial government for permission to borrow funds for construction of the new building.

The loan would be repaid from future net revenues of the bookstore.

The new University Bookstore will include 5,889 square metres of space on two levels, with the main book display and supply area located on the lower floor slightly below ground level

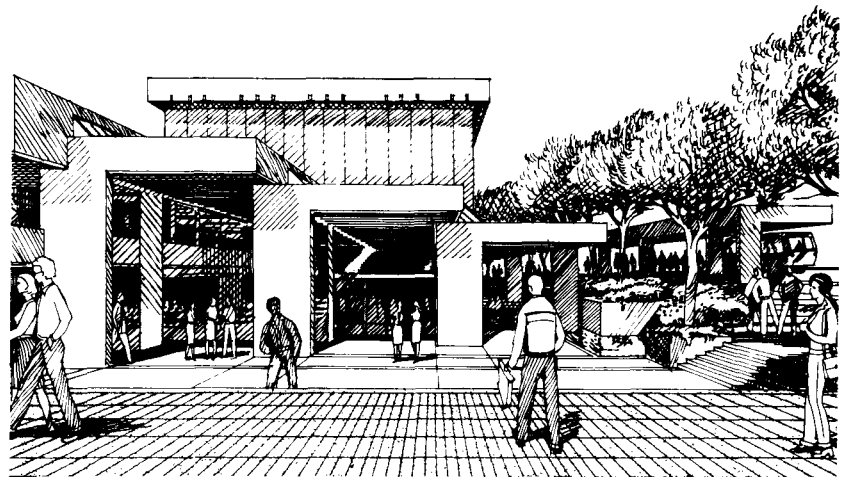
to take advantage of a slight north-south slope at the site.

The upper level of the building will include facilities for shipping and receiving and will be entered at ground level from the rear of the building, which will lie on a north-south axis along East Mall.

The main entrance to the new bookstore will be at the corner of University Boulevard and West Mall. It's also expected that some upgrading of shelters at the main University bus stop adjacent to the building entrance will be carried out.

Retail selling space in the new bookstore will be three times larger than similar space in UBC's present bookstore.

Architects for the project are Zoltan Kiss and Partners.



Architect's sketch shows entrance to new UBC Bookstore to be constructed at intersection of University Boulevard and East Mall directly east of Biological Sciences Building, seen at centre rear of sketch. New bookstore is adjacent to main UBC bus stop, seen at right, and will provide triple the retail space in present bookstore. Zoltan Kiss and Partners are project architects.

Legion funds UBC health program for seniors

Older people not receiving adequate health care will benefit from a new joint effort by UBC and the Royal Canadian Legion.

The Mount Pleasant branch of the legion will give \$725,000 over five years towards a new UBC geriatric program.

The teaching and research project will be an off-shoot of the geriatric out-patient day service at the Banfield Pavilion at VGH.

Under the day hospital service, co-ordinated by Dr. Clyde Slade of the Department of Family Practice in UBC's Faculty of Medicine, elderly patients spend a day or more a week at the hospital.

The day service is for older people who don't need to be put into hospital,

but who do need professional help, usually for a variety of problems.

"We have discovered that there are a large number of elderly patients who need this type of service," Dr. Slade said.

"The purpose of this new program is to find out how many people need this type of help, and determine the best way of giving them health care, so they can carry on at their best level of health in their home instead of as a full-time patient in a hospital.

"At the same time, we want to train students how to serve these type of patients who often aren't getting the help they need.

"If you have a broken leg, our health system will give you the best service in the world. But suppose you have a broken leg, you're old, you

have arthritis, and you've had a stroke — so your mind wanders a bit. Perhaps you haven't been out of the house in years. You may be seriously depressed.

"The chances are good that you'll fall between the cracks in our health care system.

"We aren't trying to find out why elderly patients lose calcium from their bones and suffer fractures more easily. Although that information is necessary, it's the responsibility of other departments in the Faculty of Medicine to discover why.

"We want to find out how to provide better primary health care, and train students to provide it in the community rather than in hospital."

Dr. Slade said the emphasis in the

UBC program will be on the health team approach where students training to be physicians and other health professionals will learn to co-ordinate their care for patients.

The Royal Canadian Legion funding will be permanent, with the program financed through interest earned on the money invested in a trust fund.

This is the second major support the legion has given UBC's Faculty of Medicine. Two years ago the Pacific Command (B.C. region) of the legion created the Royal Canadian Legion Chair in Family Practice through a \$40,000 annual grant.

The grant made it possible for the University to recruit its first head to direct its new Department of Family Practice.

Student honored

Debbi Wheatley, a final-year education student has been elected to the executive committee of the International Student Council for Exceptional Children — the first Canadian to gain this honor.

Ms. Wheatley, who plans to pursue UBC specialist training as a teacher of the deaf after she completes her Bachelor of Education degree, assumes office July 1.

Her duties as vice-president communications will take her to Virginia and New York, as well as to Halifax in October for the national congress of the Canadian Council for Exceptional Children. Locally, Ms. Wheatley will be working with other SCEC members at UBC to establish chapters at the University of Victoria and SFU.

Exceptional children are those unsuited to the standard educational system — those with physical or mental handicaps, or those far brighter than average.

Two of the aims of the Council for Exceptional Children are to promote professional standards of a high order and improve the preparation of teachers dealing with exceptional children; and to promote programs designed to attract students into the profession of special education.



Trying out one of the 18 stations on the new Parcours exercise circuit on the perimeter of MacInnes Field north of the War Memorial Gymnasium are agricultural sciences graduate students John Kitts, left, Bob Cuthbert, centre, and Dan Quan. UBC physical education experts say Par-

course is one of the best basic fitness systems in existence. Each station has an instruction board for varying abilities and fitness levels. Project is a joint venture by UBC's Athletic Office and Housing Office and was purchased with funds provided by the University administration.

Photo by Jim Banham

Professor to hold joint appointment: Economics and Forestry

UBC's noted resource economist Prof. Peter Pearse will hold a joint appointment in the Department of Economics and the Faculty of Forestry when he returns to full-time teaching and research in September after a year's leave of absence with the United Nations.

Prof. Pearse, who is perhaps best known as the sole royal commissioner on forest resources for B.C. in 1975-76, which resulted in a new forest act for the province, joins the UBC forestry faculty to develop further teaching and research in the area of forest policy and management. He has been a member of the economics department in the Faculty of Arts since 1962.

In recent years, Prof. Pearse has been working intensively in the field of fisheries policy and management, and two of the three projects he worked on in the past year for the United Nations were related to this area.

For the Food and Agriculture Organization based in Rome, Prof. Pearse prepared a report on ways in which UN member countries, and particularly those bordering on the Mediterranean, can regulate access to fisheries so that the resource can be efficiently managed and not reach the point of depletion.

He was also part of a three-member team of UN experts which visited the west African country of Mauritania, which recently extended jurisdiction over its fishery to 200 miles off its coast. The team advised the Mauritanian government on putting into place a set of management policies for the fishery, which is particularly rich in squid and octopus and which has up to now been exploited by long-range fishing fleets from Russia, Japan and South Africa.

His third mission for the UN involved visiting Sabah, a state in the Malaysian federation on the island of Borneo, as part of a three-member team which advised the government on revision of the royalty system on the harvesting of hardwood timber, a resource in which Sabah is particularly rich.

The new head of UBC's Department of Linguistics in the Faculty of Arts is Dr. Guy Carden, who has taught linguistics at Yale University in New Haven, Connecticut, since 1970.

Dr. Carden, 36, is a graduate of Harvard University, where he was awarded the degrees of Bachelor of Arts in 1966 and Doctor of Philosophy in 1970. He was a visiting scientist at

Massachusetts Institute of Technology in 1975-76 and a visiting scholar at Harvard in 1979.

Prof. Leslie M. Lavkulich, a member of the Faculty of Agricultural Sciences since 1966, has been appointed head of the Department of Soil Science in that faculty.

Prof. Lavkulich, who specializes in a variety of topics in the field of soil science, including soil classification, land resource allocation and reclamation and environmental impact assessment, is a graduate of the University of Alberta, where he received the degrees of Bachelor and Master of Science, and Cornell University, where he was awarded the degree of Doctor of Philosophy in 1967.

He succeeds Prof. Charles A. "Chuck" Rowles, a member of the UBC faculty since 1946, who retired on June 30. In addition to his work as a teacher and researcher in soil science, Prof. Rowles was for many years associated with UBC activities as a member and chairman of the men's athletic committee.

Dr. Charles A. Laszlo, a member of the UBC faculty since 1974, has been

named director of a new program in clinical engineering which will enrol its first class of six to 12 students in 1981.

The new program, which will offer a master's degree in clinical engineering in the Faculty of Graduate Studies, will prepare graduates in engineering for leadership roles in hospitals, where they will develop new instrumentation for research and diagnostic purposes and supervise the safe and effective use of sophisticated and complex electronic and mechanical equipment.

The new program will also prepare students for further advanced training in the field of biomedical engineering, a rapidly developing discipline that provides an interface between medicine and engineering.

Dr. Laszlo had been a member of the Faculty of Pharmaceutical Sciences at UBC since 1974 and is also associate director of the division of health systems in the Office of the Coordinator of Health Sciences.

He was recently elected Canadian representative to the administrative committee of the Engineering in Medicine and Biology Society. The 7,400-member society is part of the 200,000-member Institute of Electrical and Electronics Engineers.

Biology grad designing lab exercises for summer

In a small laboratory in UBC's Biological Sciences building, Ken Teng is putting together a series of experiments which will be used in the lab section of a fourth-year zoology course.

Mr. Teng graduated from UBC this spring in Biology and is spending his summer working with Dr. John Gosline, assistant professor of zoology, on a project funded by the Ministry of Labour's Youth Employment Program.

The project involves designing about 12 lab exercises to supplement lectures given in Zoology 411, a course which looks at animals, particularly the movement of animals, from an engineering point of view.

"Zoology 411 deals with bio-mechanics, which is the study of physical and mechanical properties behind the behaviour of animals," said Mr. Teng. "The course looks at such things as the strength and flexibility of different types of bird feathers to see how the physical properties affect the flight of the bird."

He is getting the information and ideas for the lab exercises from the textbook used for the course, as well as from other books and journals on bio-mechanics. Although the lab exercises are still in the early planning stages, he is already working on one which studies bio-materials in skin, tendons and arteries. The lab is designed to show that although the three types of materials are made up of exactly the same proteins — elastin and collagen — they have different characteristics because the proteins are organized differently in each.

"There are three aspects of bio-

mechanics," Mr. Teng explains. "The first is the study of the physical properties of the animal's bone, skin, muscles etc. The second is the study of the skeletal organization in the animal's body — how the different skeletal arrangements in a horse and a lizard, for example, cause these two animals to move in very dissimilar ways."

"The third area of bio-mechanics is the study of movement in the animal — the energy and forces involved in locomotion. This area also takes environmental factors such as the wind forces in the flight of birds, into consideration."

While the lab exercises involve some very complex engineering principles, the exercises themselves will be done on a very simple level.

"The equipment needed to conduct these studies at a sophisticated level is very expensive," says Mr. Teng. "Most of the labs will be simplified versions of the engineering principles, but they will give the students a chance to experiment with the ideas they learn about in the lectures. It makes the ideas easier to visualize and understand."

Zoology 411 does not currently have a lab component, but the lab exercises that Mr. Teng is working on this summer are expected to be incorporated into the course in the 1981-82 winter session at UBC.

Mr. Teng is planning to continue his education at McGill University this fall in the field of biomedical engineering, which combines experts from the medical field and the technology of engineers to develop medical instruments and equipment.

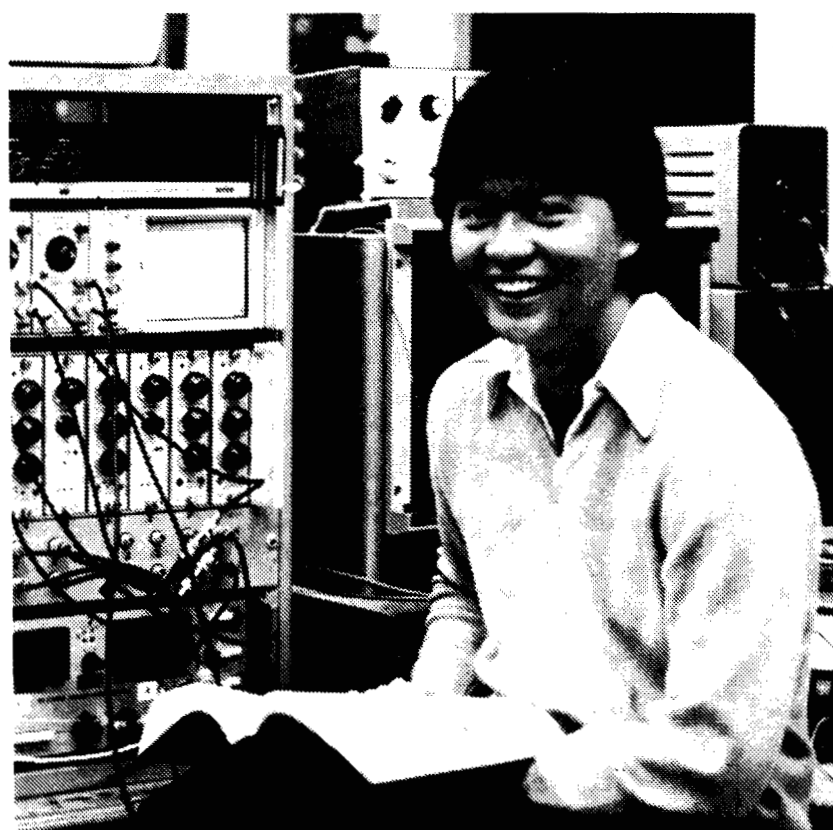


Photo by Lorie Chortyk

Biology graduate student Ken Teng is busy designing lab exercises for a zoology course in bio-mechanics which at present doesn't have a lab component. Idea is that the lab exercises will make it easier for students to understand material learned in class.

Music indexed by grad student

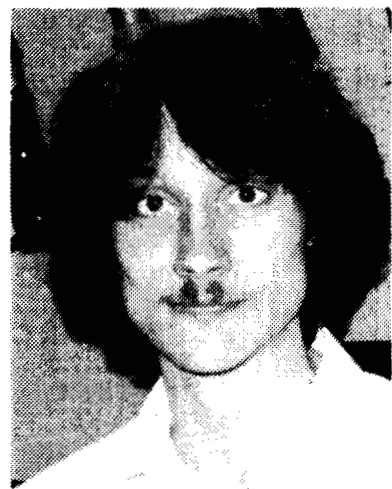


Photo by Lorie Chortyk

Robert Kendall has taken on the massive job of helping catalogue and index 7,000 pieces of music this summer.

While it seems like a tall order, the work is being done with the help of the Computing Centre at UBC under the supervision of associate professor Dr. John Sawyer.

Dr. Sawyer began the project a few years ago and Mr. Kendall is just one in a series of students who will help him complete the job.

Mr. Kendall is a graduate of UBC's Department of Music and is one of more than 600 UBC students who have received Youth Employment Program grants from the Ministry of Labour to carry out summer projects related to their field of study. Grants to UBC students this summer will total \$1.22 million.

The project involves feeding information about the 7,000 pieces of music written for the viola da gamba, an early instrument of the viol family resembling the modern cello, into a computer. The pieces are filed under 37 "fields" or characteristics, such as the title of the piece, the composer, the musical key, length, and the first 14 notes of the composition.

"Once the information is in the computer," says Mr. Kendall, "the computer will sort and index the material so that all 37 characteristics of each piece of music will be easily accessible."

The aim of the project is to organize the music, thus making it more readily available for students and faculty members as well as off-campus musicians and researchers who wish to use it.

Mr. Kendall, whose interests lie particularly in the areas of the lute and music history, plans to attend graduate school in the field of music at New York University this fall.

Former UBC dean of arts dies

A memorial service was held in Saanichton on Vancouver Island last week for Dr. John H. Young, former head of the economics department and dean of the Faculty of Arts at UBC, who died July 7 aged 58 following a long illness.

UBC's president, Dr. Douglas Kenney, paid tribute to Dr. Young and the contributions he made to his discipline, to the University and to national and international finance and monetary policy.

"Apart from the significant contribution made by John Young to the academic growth of his department and faculty at UBC," the president said, "he was continually called on by the federal government to undertake some very difficult assignments, notably as chairman of the Prices and Incomes Commission from 1969 to 1972."

"His extensive knowledge of contemporary economics led to his appointment as a leading official for the International Monetary Fund in Washington, D.C. His untimely death deprives the academic world and the international economic community of a devoted and tireless servant."

A native of Victoria, Dr. Young attended the former Victoria College when it was affiliated to UBC and then enrolled at Queen's University in Kingston, Ont., where he received the degrees of Bachelor and Master of Arts. He was awarded the Doctor of Philosophy degree by Cambridge University in 1955.

Dr. Young taught at Yale University from 1953 to 1960, when he accepted an invitation to come to UBC to head the Department of Economics. He was dean of arts in 1969-70. When the work of the federal Prices and Incomes Commission ended in 1972, Dr. Young returned to teaching and research duties at UBC before accepting the post of assistant deputy minister of the federal Department of Finance responsible for natural resource policy, industrial and regional development.

He last visited UBC officially in November, 1979, to speak to the Vancouver Institute as an official with the International Monetary Fund.

Dr. Young, who was predeceased by his first wife, Katherine, is survived by his second wife, Susan Dexter, and

two sons, two daughters and two sisters.

Dr. David M. Williams, a social studies expert in UBC's Faculty of Education, died June 28 at the age of 45.

Dr. Williams graduated from UBC with the degrees of Bachelor and Master of Education and taught in elementary and secondary schools in Vancouver until 1967, when he joined the UBC faculty. He was awarded the degree of Doctor of Philosophy by the University of Washington in 1972.

He was actively involved in the values education program in his faculty and received a number of research grants from the Vancouver Foundation and the B.C. government for research in this area.

Dr. Williams is survived by his parents, a sister, and two sons and two daughters.

Funeral services were held in April for Prof. Leslie Upton, a member of UBC's history department since 1964, who died at the age of 49.

A native of England, Prof. Upton was educated at Oxford University, where he received his Bachelor of Arts degree in 1954. He did graduate work at the University of Minnesota, where he was awarded the degree of Doctor of Philosophy in 1957 and where he also lectured in history.

From 1957 until 1964, Prof. Upton was an assistant and associate professor of history at St. John's College in Winnipeg. He joined the UBC faculty in 1964, and was promoted to associate professor the following year and to full professor in 1971.

Prof. Upton is survived by his wife, Marilyn, and four children, sons Colin and Leslie, Jr., and daughters Elizabeth and Lynn.

Miss Muriel A. Cunliffe, a member of UBC's School of Social Work from 1950 to 1969, died in February at the age of 77.

Miss Cunliffe received her Bachelor of Arts and Bachelor of Social Work degrees from UBC and was with the provincial government before joining the UBC faculty in 1950. She served as a consultant to the United Nations in Great Britain and in Africa on four occasions in the 1950s and 1960s.

UBC Calendar

UBC CALENDAR DEADLINES

Events in the week of:

July 27 to Aug. 2 Deadline is 5 p.m. July 17

Aug. 3 to Aug. 9 Deadline is 5 p.m. July 24

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

SUNDAY, JULY 20

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.

MONDAY, JULY 21

12:30 p.m. NOON HOUR CONCERT SERIES. Summer Session Association presents a free concert with the **Ken Ogilvie Quartet** at the Music Building.

7:30 p.m. SUMMER SCREEN '80. Summer Session Association presents a free showing of **What the Hell's going on up there?**, an irreverent cartoon that pokes fun at the American's view of Canada; and **Paperland**, a feature-length documentary which satirizes the lives of government bureaucrats. Lecture Hall 2, Woodward Instructional Resources Centre.

8:00 p.m. MUSIC FOR SUMMER EVENINGS. Martin Berinbaum, trumpet; Donald Brown, baritone; and Patrick Wedd, organ and piano, perform at the Recital Hall, Music Building.

TUESDAY, JULY 22

9:00 a.m. THE MAGIC OF PUPPETRY. Children, aged 6 to 12, will learn to make puppets, create skits and prepare a script. A show for parents is scheduled for noon of the second session. \$10. Call the Centre for Continuing Education for further information, 228-2181. The second session is at 9 a.m. tomorrow.

12:30 p.m. NOON HOUR CONCERT SERIES. Summer Session Association presents a free concert with the **Fraser Valley Wind Quintet** at SUB.

1:30 p.m. VIDEO PREVIEWS. The Centre for Human Settlements A/V Viewing Library presents a video recording of Barbara Ward during her address to the **UN Conference on Human Settlements** held in Vancouver, 1976. (45 min.) Room 313, Library Processing Building.

3:00 p.m. OLD-FASHIONED GARDEN PARTY at Cecil Green Park, with strolling fashion show featuring old-time fashions, music, light refreshments, tea, fruit punch for the kids. Come in costume if you wish and bring a picnic dinner along. \$5, adults; \$2, children under 16. Phone Centre for Continuing Education, 228-2181, for tickets.

7:00 p.m. SYMPHONY APPRECIATION SESSIONS are being held Tuesdays and Thursdays to July 31, 7-10 p.m., Room 113, Music Building. Baroque, classical, romantic and modern music will be featured during the sessions, which will be presented by Sherilyn Fritz, composer and lyricist. \$30. For registration information, phone the Centre for Continuing Education, 228-2181.

8:00 p.m. EDUCATIONAL TRAVEL SHOWCASE on **Tropical Forests of Borneo and Malaya** with speakers, slides, in Room 102, Buchanan Building. Free.

WEDNESDAY, JULY 23

10:00 a.m. RED CROSS BLOOD DONOR CLINIC. Clinic will be set up in the conversation pit of the Student Union Building today and tomorrow until 3:30 p.m.

12:30 p.m. NOON HOUR CONCERT SERIES. Summer Session Association presents a free concert with the **Rod Borrie Quartet** at the Music Building.

4:00 p.m. MUSEUM OF ANTHROPOLOGY TOUR. \$3, adults; \$2, students and seniors; \$1, children 6-12. Phone the Centre for Continuing Education, 228-2181, for tickets.

7:30 p.m. SUMMER SCREEN '80. Summer Session Association presents a free showing of two National Film Board documentaries: **Petroleum's Progress** and **North China Commune**, a major documentary shot at an agricultural commune near Peking. Lecture Hall 2, Woodward Instructional Resources Centre.

THURSDAY, JULY 24

10:00 a.m. RED CROSS BLOOD DONOR CLINIC continues today until 3:30 p.m. in the conversation pit of the Student Union Building.

10:30 a.m. BOTANICAL GARDEN TOUR led by David Tarrant. Free, but phone the Centre for Continuing Education to reserve a space, 228-2181. Tour repeated at 3:30 p.m.

THURSDAY, JULY 24 (Continued)

11:00 a.m. MEDICINE LECTURE. Dr. Berend Houwen, Academisch Ziekenhuis Groningen, The Netherlands, on **Selective Gut Decontamination in the Treatment of Haematological Malignancies.** B Lecture Hall, Department of Medicine, 700 W. 10th Ave.

12 noon ANATOMY SEMINAR. Prof. Ian A. Boyd, Institute of Physiology, University of Glasgow, on **The Muscle Spindle.** Anatomy Lecture Theatre B1, Medical Block B (Anatomy) Building.

12:30 p.m. NOON HOUR CONCERT SERIES. Summer Session Association presents a free concert with the **David Jones Quartet** at SUB.

5:00 p.m. CHICKEN BARBEQUE for members and those interested sponsored by the Young Alumni Association. Cecil Green Park, 6251 Cecil Green Park Rd. \$4 per person; tickets to be purchased in advance at Cecil Green Park.

8:00 p.m. MUSIC FOR SUMMER EVENINGS. Tony Elliot, cello; Paula Elliot, violin; and Damian Sokol, piano, perform **Works of J.B. Locillet, L. Boccherini, P. Locatelli, J.S. Bach and G.P. Telemann.** Recital Hall, Music Building.
REGENT COLLEGE LECTURE. Alison Schwartzentruber, psychologist with the B.C. Integrated Services for the Child and Family, Victoria, B.C., on **Psychology and Christianity: Friends or Foes?** Lecture Hall 2, Woodward Instructional Resources Centre.

FRIDAY, JULY 25

12:30 p.m. NOON HOUR CONCERT SERIES. Summer Session Association presents a free concert with the **Westside Feetwarmers** at the Music Building.

7:30 p.m. SUMMER SCREEN '80. Summer Session Association presents a free showing of **Animal House**, starring John Belushi, Donald Sutherland, Tim Matheson, John Vernon and Verna Bloom. Lecture Hall 2, Woodward Instructional Resources Centre.

8:00 p.m. BENEFIT DANCE sponsored by the UBC Committee for the Defence of Human Rights for the Literacy Campaign in Nicaragua, with **Salsa, Cumbia, Disco and Reggae Music.** Upper Lounge, International House. Members, \$1.50; non-members, \$3. For tickets call Jose Aguirra at 228-2337 or 224-7366.

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.

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.

DAYCARE

A few spaces are available in daycare facilities operated by the UBC Centre for Continuing Education for children 3 to 6, during July, 8:30 a.m. to 4:30 p.m., Monday to Saturday. On long-term or casual basis. Minimum half day. \$4 for morning or afternoon session; \$7 a day; \$30 for five-day week; \$35 for six-day week. Phone 228-2181, local 221.

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.

CAMPUS FOOD SERVICE HOURS

During July and 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.

TODAY

UBC Centre for Continuing Education presents a special free lecture on **Great Power Antagonisms in the Middle East** with guest speaker Dr. Donald Treadgold, History, University of Washington, and commentators Dr. Paul Marantz, Political Science, UBC, and Ilya Gerol, former Soviet journalist. 8 p.m. Room 104, Buchanan Building.

YOUNG ALUMNI CLUB

The club is having an instructional night on the **Japanese Game of GO** for members and guests. July 17, 7 p.m. at Cecil Green Park, 6251 Cecil Green Park Rd. Call M. Peters for information at 734-7398.

UPCOMING CONFERENCES

TV IN PSYCHIATRY AND ALLIED DISCIPLINES - July 25 and 26, Psychiatry Unit, UBC Health Sciences Centre Hospital. The meeting will bring together psychiatrists and other interested professionals to critically review and discuss the potential of audio-visual media, methods and techniques in clinical teaching and practice. A brochure and other information can be obtained by calling Maureen Phillips, seminar secretary, 228-7335 (you must dial the entire number since the HSC Hospital now operates through a separate switchboard).

NATO ADVANCED STUDY INSTITUTE -GENERALIZED CONCAVITY IN OPTIMIZATION AND ECONOMICS - Aug. 4-15, 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, 228-5304.

UPCOMING

A week-long course package, Monday to Friday, July 28 to Aug. 1, with **You and the Computer** in the morning in Room 462, Computer Sciences Building; a choice of **T'ai Chi** or **Fitness through Dance** at noon; and **Native Cultures of the Northwest Coast** in the afternoon in Room 215, Museum of Anthropology. Morning or afternoon sessions, \$40 each; total package, \$75. To register, phone the Centre for Continuing Education at 228-2181.

A week-long afternoon series on **Multiculturalism From the Inside**, sponsored by the UBC Centre for Continuing Education, will be held at 1:30-3:30 p.m., Monday to Friday, July 28 to Aug. 1, at International House, with speakers from various ethnic groups. Frank Hardwick, professor emeritus of Education, UBC, will chair the series, and the speakers include former M.P. Art Lee; Enrico A. Diano, regional chairman, Canadian Consultative Committee on Multiculturalism; Angie Dennis, Native Indian Teacher Education Program; Brian Kershaw, lawyer; Adam Kozak, Ukrainian organization representative; Beverly Berger, education counsellor; and present and former UBC and SFU faculty members. \$23; seniors and students, \$18. Registration information is available through the Centre at 228-2181.

INTERNATIONAL HOUSE

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

ICSEB CONFERENCE

The second International Congress of Systematic and Evolutionary Biology begins at UBC Thursday, July 17, and continues until July 24 following the Botany 80 conference July 12 to 16. Programs and information on the ICSEB conference are available from the Department of Zoology, 228-3168. A single-day registration fee of \$10 will be charged to participants who wish to attend only certain sessions. The following sessions are of general interest.

Friday, July 18

Morning Opening plenary session and keynote address by Prof. J. Maynard Smith, University of Sussex, on **Evolution and the Theory of Games.**

Afternoon Symposia on **Origins and Evolution of the North Pacific Marine Biota, Evolutionary Epigenetics and Green Algae and Land Plant Origins.**

Saturday, July 19

Afternoon Symposia on **Arctic Refugia and the Evolution of Arctic Biota, Evolution of Reproductive Strategies, and Recent Progress on Knowledge in the Araliacea and the Relationships with the Umbelliferae.**

Sunday, July 20

Afternoon Symposia on **Macromolecular Mechanisms in Evolution of Eukaryotic Cells, Evolution of Colonizing Species and Paleobiology of the Pacific Rim.**

Tuesday, July 22

Afternoon Symposia on **Comparative Study of the Genetic Material DNA and The Maintenance of Gene Pools.**

Wednesday, July 23

Afternoon Symposia on **Evolution of Community Structure, Allozymes and Evolution and The Maintenance of Gene Pools (continued).**

