NEXT WEEK AT UBC

Notices must reach Information Services, Main Mall North Admin. Bldg., by mail, by 5 p.m. Thursday of week preceding publication of notice.

SUNDAY, JULY 25

ROCK GARDEN CONFERENCE. Last day of this three-day Interim International Rock Garden Conference. Totem Park Convention Centre. For further information, call the UBC Botanical Garden, 228-3928.

2:00 p.m. **ARTISTS AND CRAFTSMEN OF THE NORTHWEST COAST.** Roy Vickers, Tsimshian artist, discusses his work, currently displayed as part of the Legacy Exhibit of Contemporary Northwest Coast Art at the Museum of Anthropology. Regular museum admission will be charged. Museum of Anthropology.

MONDAY, JULY 26

12:35 p.m. **JAPANESE DANCING** demonstrated by the Tatsumi school of dancing. Room 3218, Buchanan Building.

7:30 p.m. **SUMMER SCREEN SERIES** featuring four films from the National Film Board and the CBC on alternative energy and technology. *Air, Thoughts on the Future, The Garbage Ouroboros,* and *New Alchemists* will be shown. Lecture Hall 2, Woodward Instructional Resources Centre. Free.

8:00 p.m. **SUMMER THEOLOGY LECTURE SERIES.** G. Henton Davies, principal of Regent's Park College, England, speaks on **The Old Testament and Modern Man.** Theatre, Student Union Building.

MUSIC FOR A SUMMER EVENING. Songs and operatic arias performed by Joanne Dorenfeld, soprano, and Dale Reubart, piano. Recital Hall, Music Building.

TUESDAY, JULY 27

12:35 p.m. **CHINESE MEDICINE.** An informal lecture by Dr. Chan Junn. Room 3218, Buchanan Building.

EDUCATION LECTURE. Prof. Mary Lane, San Francisco State University, Calif., speaks on **A Community's Experience in Cross-Cultural Education.** Room 201, Education Building.

8:00 p.m. **EDUCATION TRAVEL SHOWCASE.** An illustrated lecture by Joost Blom, Law, UBC, on **Classical Greece Revisited.** Conference Room, Centre for Continuing Education. Free.

WEDNESDAY, JULY 28

12:35 p.m. **PUNJAB DAY.** The Mahilan Women's Association demonstrates Indian cooking and classical and folk dancing. East Indian handicrafts and batiks displayed until 9 p.m. Lower lounge, International House.

2:30 p.m. **ENGLISH EDUCATION SEMINAR.** Nancy Martin speaks on **Who Teaches Children to Write?** Room 111, Ponderosa Annex E.

7:00 p.m. **EAST INDIAN DANCING DEMONSTRATION.** Lower lounge, International House. Following this, Mr. Rampuri and the Punjab Literary Society read poetry in Punjabi and English and discuss Punjabi and Indian literature. Rooms 402-406, International House.

7:30 p.m. **SUMMER SCREEN SERIES** featuring five films from the National Film Board on alternative energy and technology. *Energy Carol, Bill Loosely's Heat Pump, Horsing Around, Bate's Car: Sweet as a Nut,* and *The Man Who Chooses the Bush* will be shown. Lecture Hall 2, Woodward Instructional Resources Centre. Free.

FOLK DANCE FIESTA. Folk dancing taught and performed on the Student Union Building plaza. All welcome. Call 228-3653 for more information.

8:00 p.m. **SUMMER THEOLOGY LECTURE SERIES.** Prof. John Bowker, University of Lancaster, England, speaks on **Systems Behavior, Information Process and the Study of Religion.** Theatre, Student Union Building.

THURSDAY, JULY 29

12:35 p.m. **EAST INDIANS OF B.C.** Mr. Nadarajan gives an informal lecture on the status and role of East Indians in Canadian society. Room 3218, Buchanan Building.

1:30 p.m. **INTERNATIONAL HOUSE ART CLASSES.** Instruction and consultation for serious art students provided by artist Ted Dickson. Students supply own materials. Offered every Thursday until 4:30 p.m. Upper lounge, International House. To register, call 228-5021. Free, all welcome.

8:00 p.m. **MUSIC FOR A SUMMER EVENING.** John Loban, violin, and Frances Adaskin, piano, perform **Music of Bach, Stravinsky, Debussy, Saint-Saens and Block.** Recital Hall, Music Building.

FILM SHOWING. *Death Wish* starring Charles Bronson. Old Auditorium. Admission, 99 cents. Repeated Friday and Saturday.

FRIDAY, JULY 30

7:30 p.m. **SUMMER SCREEN SERIES** featuring *Carry On Girls* (color, 90 min.). Lecture Hall 2, Woodward Instructional Resources Centre. Free.

FILM SHOWING. *Death Wish* starring Charles Bronson. Old Auditorium. Admission, 99 cents. Repeated at 9:30 p.m.

SATURDAY, JULY 31

8:00 p.m. **FILM SHOWING.** *Death Wish* starring Charles Bronson. Old Auditorium. Admission, 99 cents.

8:30 p.m. **DISCO DANCING** in The Pit, with music provided by CITR campus radio disk jockeys. Every Saturday evening to midnight until Aug. 28. Admission free, Student Union Building.

summer scene

SUMMER STUDENTS' ASSOCIATION

If you need help with anything during Summer Session, contact the Summer Students' Association located in West Mall Annex, Rooms 140-142 or phone 228-3976. Office hours 9:30 a.m. to 1:30 p.m. weekdays.

SUMMER SESSION OFFICE

Summer Session is now part of the Office of Extra-Sessional Studies. The new office is located in the Coach House, 6323 Cecil Green Park Road. Phone 228-2581 or 228-2657.

SUMMER SOUNDS

Free noon-hour concerts will be held on campus during Summer Session. The concerts are in different locations each day, so check the Summer Session bulletin boards around campus for daily programs.

SOCCER SCHOOL

Instruction offered in basic soccer skills for children aged 7 to 17 until July 30. One week, $15; two weeks, $25. For more information call 228-3341.

GOLF LESSONS

The Summer Students' Association is sponsoring golf lessons. Package of eight lessons only $8 or single lessons at $1 for an hour's instruction. Lessons also available for faculty and staff for $2 each hour of instruction. Register at the Summer Students' Association office, Room 140, West Mall Annex. Call 228-3976 for more information.

TENNIS LESSONS

Lessons held on Place Vanier Residence courts beginning Thursday, July 8, at 1 p.m. Cost to Summer Session students is $1 each lesson or $6 for a six-lesson package. Also open to faculty and staff for $2 a lesson. Register at the Summer Students' Association office, Room 140, West Mall Annex. Call 228-3976 for more information.

SPECIAL COLLECTIONS

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ubc reports



All you need are a pair of comfortable shoes and a little enthusiasm to take part in weekly folk-dance sessions on the plaza of the Student Union Building beginning at 7:30 p.m. Wednesdays. You don't even have to be a registered student. Everyone's welcome and you're invited to bring your friends. Picture by Tim Morris.

UBC gets major Kellogg grant

The W. K. Kellogg Foundation of Battle Creek, Mich., has approved a grant of $265,965 to the University of British Columbia to aid in the establishment of a new organization that aims at further professional development for educational administrators in the province. The new organization is the British Columbia Council for Leadership in Education, which formally came into existence in March after two years of discussions.

The constituent organizations of the BCCLE are the provincial Department of Education; the B.C. School Trustees Association; the B.C. Association of Colleges; the University of Victoria, Simon Fraser University and UBC; and the provincial associations of school district superintendents, supervisors and directors of instruction, principals and vice-principals and school district secretary-treasurers.

The BCCLE plans to organize a series of short courses, workshops, and conferences throughout the province for school administrators.

The training program will be open to school principals and vice-principals, supervisors and directors of instruction, district superintendents of schools, school district secretary-treasurers, community college principals and school trustees.

Harry E. Cullis, chairman of the board of directors of the BCCLE and director of secondary instruction in the Langley School District, said

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Kellogg

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formation of the BCCLE fulfills a long-standing need for a single organization that brings together a number of organizations concerned with pre-service and in-service preparation for education administrators.

"The BCCLE is, in effect, an umbrella organization that will permit large-scale programs of this sort," Mr. Cullis said.

The Kellogg grant, which will be made to UBC over a four-year period, will allow the BCCLE to establish a Vancouver office, hire an executive director, and assistant director and secretary, and pay for initial program costs. The BCCLE is currently seeking candidates for the post of executive director and plans that the executive director will be appointed in the Vancouver office established this summer.

At the end of the four-year Kellogg grant it is expected that the BCCLE program will be self-supporting through a combination of membership dues, special purpose grants, publications income, and participant fees for program services.

This is the third major grant that the University has received in the past few months. The Canada Council awarded a team of UBC economists more than $806,000 over the next five years for an integrated study of natural resource management. And the federal Department of National Defence recently approved a $250,000 grant to UBC to enable further development of research and teaching in the area of strategic studies.

Dr. Kitts named Agriculture dean

Warren D. Kitts, 53, has been appointed dean of Agricultural Sciences at UBC, effective immediately.

He succeeds Michael Shaw, who became vice-president, University development, on July 1, 1975. Dr. Kitts, chairman of the Departments of Animal and Poultry Science, has been acting dean since that time.

Dr. Kitts, born in North Vancouver, obtained his bachelor's degree in agriculture from UBC in 1947, after taking time out from his University career to serve with the Royal Canadian Air Force during World War II.

He obtained his master's degree from UBC in 1949 and earned his doctorate, in 1953, from Iowa State University. He was appointed to the faculty of UBC the same year.

Dr. Kitts, made a fellow of the Agricultural Institute of Canada in 1974 in recognition of his work in animal nutrition and physiology, has been involved in a number of research projects on the feeding of animals, including the recycling of animal wastes as fodder.

He has also conducted research into the conversion of wood chips as feed for beef cattle, again to make use of the available protein.

Earlier this year, Dr. Kitts described the role of the Faculty of Agricultural Sciences as follows:

"To interpret the findings in the physical, biological, environmental and social sciences in terms of their agricultural application. In fulfilling this role, the faculty undertakes teaching, research and continuing education responsibilities. These three activities are complementary and, indeed, indivisible."

The Faculty of Agricultural Sciences is composed of seven departments and has 58 faculty members.

Museum offers youth programs

Native Indian games and basketry are the subjects of two programs being offered for children this summer by the UBC Museum of Anthropology.

Native North American children's games and story-telling will be available for children aged 8 to 12 years for the week of July 26 to 30 from 10 a.m. to noon. The program includes learning and playing games found in traditional Indian life, a nature walk, slides, films and story-telling. The instructor is Sari Werner, a graduate student in Anthropology and a volunteer associate with the museum.

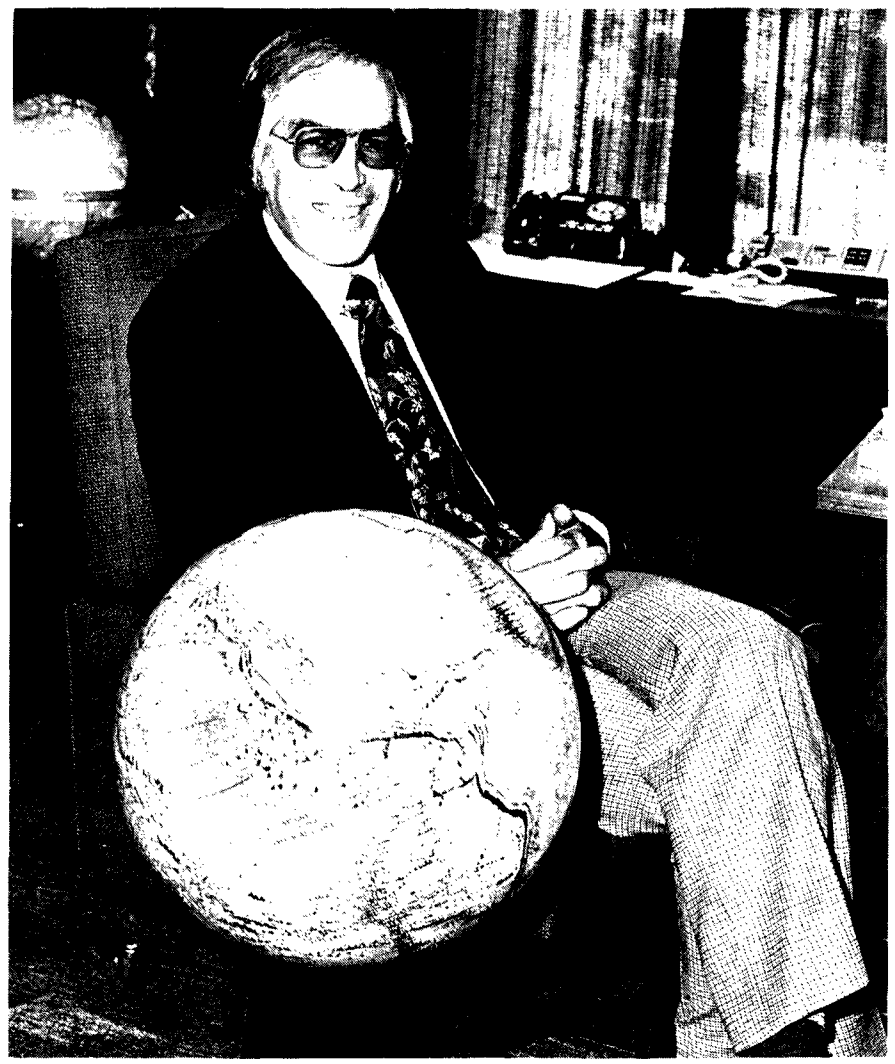
For children with a crafty inclination, a program illustrating the basketry skills of northwest coast Indian culture is offered from August 9 to 13 for ages 9 to 12. The program runs from 10 a.m. to noon. The traditional weaving techniques of Salish people of the southern coastal area will be stressed and materials are supplied. The program is led by Daphne von Hopffgarten, also an Anthropology graduate student.

Pre-enrolment is necessary for both programs, which will take place in and around the Museum of Anthropology on Northwest Marine Drive. The cost is $10 each for museum members or $12.50 for non-members.

And if you're wishing you were a child again, parents can participate in the program too, at a slightly higher cost. Call the museum, 228-3825, for more information.

TERRACY

Prof. Hugh Wynne-Edwards, below, head of UBC's Department of Geological Sciences, spoke recently at a meeting of the Association of the Scientific, Engineering and Technological Community of Canada (SCITEC) on the topic "Terracy". His address is based on a forthcoming book entitled Terracy, A Reconciliation with the Earth. *What follows is an edited version of his remarks to the SCITEC forum.*



In concluding this first of three SCITEC forums on the problem of world survival, I want to announce a new idea. It is the basis for a common understanding that will enable us, the public, to become fully involved in the long-term planning and decision-making that is essential for the survival of our civilization. I have named this understanding "Terracy." Within the next two decades, we must come to terms with the impending confrontation between rising world population and the inadequate supply of energy, minerals, food, and shelter to sustain it, and at the same time preserve our environment and resources for future generations. It can be done, but mobilization on the scale of a war effort is essential. This mobilization can only come from public support and understanding.

It is plain, however, that this message is simply not now coming through, although science has never been better done, or more vocal, or more needed than in the years since the science policy debates began in 1968. In spite of that, public support for science has steadily declined in relation to other issues. Canadian expenditure on research and technical innovation is now among the lowest in the developed world in relation to Gross National Product. We are witnessing, in fact, a devaluation of knowledge at the very time we need it most. We should feel grave alarm.

What is going wrong? The problem as I now see it is not that science is inarticulate or that its words are obscure, but that it is addressing a world for which these words have a quite different meaning, and to a large degree it has been saying the wrong things. What is needed then, is a common language as a basis of understanding. This basis is Terracy – an understanding and acknowledgment of the earth as it is.

Terracy – understanding the earth – is a word like Literacy, understanding words. . . . Terracy involves developing five basic senses, and is based on 10 simple laws, most of which have been lying around for centuries. . . . The five basic senses are those of a *finite earth,* of *time,* of *growth,* of *interdependence,* and of *individual responsibility.* . . . .

The 10 laws which inexorably govern our future on earth can be simply stated, each in a single sentence. They are:

1. The Law of Finite Size: We are essentially confined to the surface of a small planet.

2. The Law of Environmental Interdependence: No thing or act on earth can be truly isolated from any other thing or act.

3. The Law of Growth: The earth can withstand only a few more doublings of our demand upon it, and each doubling shortens the time for which the demand can be sustained.

4. The Law of Timeliness: This generation and the next must come to terms with the earth or prepare to abandon it.

5. The Law of Available Resources: Most of the things we need are resources of the earth and are exhaustible.

6. The Law of Energy Content: The use of energy is the key that determines the rate and intensity of our exploitation of the earth.

7. The Law of the Commons: Things held in common must be managed in common.

8. The Law of Supply and Demand: Both consumer and producer are dependent on the available supply.

9. The Law of the Cost of Choice: Everything, even doing nothing, costs something.

10. The Law of Individual Responsibility: Each of us is responsible for his future, collectively we are responsible for mankind.

The laws are an indispensable background for any long-term planning for the future of mankind. They provide a general awareness of the interlocking social, biological and physical systems that control our destiny. Once they are embedded in our thinking we can publicly engage in an integrated examination of our problems with an awareness of the whole system that operates, and so depart from the almost desperate, piecemeal approach to problems we have now, which is degenerating into a form of firefighting as crisis looms after crisis, and which will soon become a useless beating at the flames. . . .

With the proper senses developed, and with the simple laws of terracy in mind, we can approach our problems differently. As we examine each option for our future development (including the option of doing nothing) we, the public, must have affirmative answers to only four straightforward questions from our scientists and policy makers before the option can be ready for full-scale implementation.

1. Are all the knowledge and resources available?

2. Are all the external effects known and understood?

3. Is there a satisfactory internal balancing mechanism, or feedback system?

4. What are the costs and can we afford them?

If these questions are applied, for example, to the present commitment to nuclear power, it is easy to see how and where things are now going wrong. Each incremental step in our existing piecemeal process of decision making creates yet more problems that require a "technological fix." Canada is energy rich and there are at least 10 other future energy options at our disposal, yet the Canadian government spends no less than 75 per cent of its current budget for energy research and development of nuclear hardware. . . .

I think Terracy can give us the necessary understanding for a survival do-it-yourself kit and I am devoting myself to fostering it in my fellow citizens as fast as I can. There are solutions to our problems, and we have time, but not much time, to find them.