



Dr. Anthony Phillips

Top award for brain researcher

Dr. Anthony G. Phillips of UBC's psychology department is one of four outstanding young Canadian scientists who have been awarded E.W.R. Steacie Memorial Fellowships by the Natural Sciences and Engineering Research Council of Canada.

The fellowships, one of Canada's most prestigious awards, are designed to permit faculty members to devote one year entirely to research by relieving them of their academic duties.

Dr. Phillips, who currently holds another leading research award, a Killam Senior Research Fellowship, is widely known for his studies in the field of brain and behavior research.

His research has included studies on learning and memory as well as the effects of drugs on the brain.

Dr. Phillips joined the UBC faculty in 1970 and was a visiting professor at Oxford University in England in 1975. He is a member of the grant review committee of the Medical

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UBC reports

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Students will construct playgrounds in Athens

Twenty second- and third-year students from UBC's School of Architecture left Vancouver for Athens early in January to take part in a Greek government project related to the United Nations' International Year of the Child.

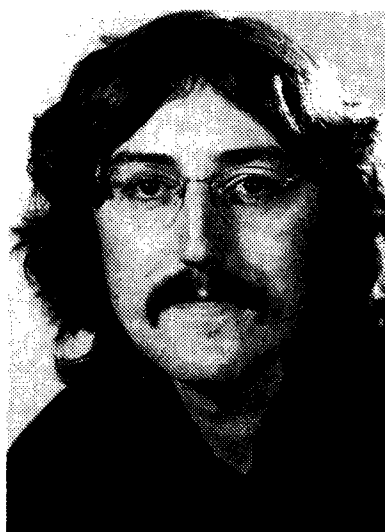
The students and assistant architecture professor John Gaitanakis will be in the Greek capital until the end of April to carry out a proposal made in 1973 by Mr. Gaitanakis to close off a number of streets in central Athens and create pedestrian malls and playgrounds for children.

The Greek ministry of public works has now decided to implement the 1973 proposal as part of its contribution to the International Year of the Child by closing 265 streets to create play areas for children.

The Greek government contacted Mr. Gaitanakis in 1978 to ask if the UBC school could assist in the design and construction of the play areas.

The UBC school decided to respond to the request as part of a credit course — Architecture 460 — entitled "Study of Architecture Abroad" which provides students with opportunities to undertake supervised studies in "a particular city or locality in which a unique quality of architecture and specific architectural problems are to be found."

Mr. Gaitanakis said the Greek government's decision to create children's play areas in central Athens



John Gaitanakis

was a particularly appropriate one during the International Year of the Child.

"Athens," he said, "is poorly provided for in recreational areas for children. By improving such facilities they are making a wise long-range investment designed to preserve the integrity of the city and prevent the

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Advisory committee set up

UBC has taken another step to implement a 1978 report that calls for a radical reorganization of services provided to students on campus.

A new 13-member standing advisory committee on student services, including four students appointed by the Alma Mater Society, met for the first time yesterday (Jan. 16) under the interim chairmanship of Prof. Erich Vogt, UBC's vice-president for faculty and student affairs.

Formation of a standing advisory committee was one of 15 recommendations made by an eight-member presidential advisory committee chaired by Dr. Ruth White of the Department of French. The presidential committee completed its report last May.

Prof. Vogt said the terms of reference of the new standing advisory committee would be those recommended by the presidential committee — to advise on policy matters dealing with services to students, to see that services to students are carefully planned and assessed, and to consider other matters raised by the committee's chairman.

Prof. Vogt said one of the committee's first tasks will be to draw up a job description for the position of assistant to the vice-president for faculty and student affairs, who will chair the new standing advisory committee.

The presidential advisory committee recommended the appointment, by July 1, 1979, at the latest, of a "senior person with administrative experience and appropriate academic background, who would provide creative and vigorous leadership to the various campus agencies concerned with student services," and who would be "responsible for general supervision and co-ordination of all such offices."

Prof. Vogt said it would be important for the new standing advisory committee to define clearly the function of the new appointee so that there will be no doubt about which areas of student services he or she will be responsible for.

"Counselling of students will be one area of major concern," Prof. Vogt said. "Academic, career and personal counselling are functions that are carried on in a number of UBC offices, including Student Services, Housing and by the Registrar's Office. The presidential committee recommended the creation of a counselling centre that would provide facilities for general and special counselling."

(UBC's administration has already decided that in any new counselling arrangement, the Women Students' Office will have special status because of a number of unique problems facing women on campus. The director of the Women Students' Office will report directly to Prof. Vogt and not through the new position of assistant to the vice-president.)

Prof. Vogt said the committee would be asked to look at the possibility of consolidating a number of student services under one roof. "Personally," he said, "I'd like to see the Women Students' Office, the Office of Student Services and the Student Awards Office located close together physically. That possibility may exist and I'd like to see the standing committee explore it."

The new committee will also be asked to advise on the recommendations made in the presidential committee's report that have not been acted on, Prof. Vogt said. "Some of the fine detail of the presidential committee's report may not be acceptable to the standing advisory committee," he added, "but I don't think it was intended that the original recommenda-

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Spectator area overlooking the swimming pool in UBC's new Aquatic Centre proved to be a nice, warm place to eat lunch, socialize and watch the action below during Vancouver's recent cold snap. Centre's architects, Carlberg Jackson and Partners, have been awarded the 1978 gold medal for international non-residential pools in a competition sponsored by the publication *Swimming Pool Weekly and Swimming Pool Age*.

Picture by Jim Banham

UBC first in Canada to offer undergrad degree

UBC will be the first university in Canada to offer an undergraduate degree in oceanography as the result of a Senate decision to change the Institute of Oceanography to a department in the Faculty of Science.

The institute, established 30 years ago in the Faculty of Graduate Studies, has been a "stunning success," Graduate Studies dean Prof. Peter Larkin told Senate at its

December meeting. Now that it is fully matured, he added, it seems appropriate that it should become a department offering an undergraduate degree.

He said the decision to implement the change had been under discussion for three years since being recommended by a review committee. The change had been "exhaustively" discussed in the institute and by a joint committee of the Faculties of Science and Graduate Studies, which recommended that Science should accept Oceanography as a department. Both faculties had given approval to the proposal, Dean Larkin said.

Science dean Prof. George Volkoff said his faculty was happy to welcome a well-organized group into Science, many of the members of which are already in the faculty. The change was appropriate, he said, because Dr. George Pickard, the present director of the institute, was retiring in 1979. (The new head of Oceanography is Prof. Stephen Calvert, currently senior principal scientific officer at England's Institute of Oceanographic Sciences, who joins the UBC faculty on July 1, 1979.)

Dean Volkoff said the main consequence of the change is that the new head will take his place among the nine other science department heads as a matter of course, rather than as an invited guest as was now the case. A member of the department would also sit on the faculty's curriculum committee, he added.

* * *

The University is grappling with the problem of finding funds to construct a new Bookstore, President Douglas Kenny told Senate at its December meeting.

He made the comment while replying to questions from Dr. Jon Wisenthal of the Department of English, who asked about the disposition of motions passed by Senate in May, 1977.

A new Bookstore, President Kenny said, had the unanimous support of a Senate committee and University-wide committee that had carried out a study of the needs of the Bookstore. He said there had been agreement on plans for construction of a building that would go beyond basic needs to meet the academic and cultural needs of UBC and the public. "There is still a problem with the funding of the Bookstore and we're still grappling with that," the president said.

Another motion passed in May, 1977, had suggested that the University librarian, and the directors of the Computing Centre and the University Press should be added to the President's Advisory Committee on the Bookstore. President Kenny said the librarian and the director of the University Press had agreed to serve, but the Computing Centre director had declined.

The president said he had asked the Senate nominating committee to suggest the name of a member of Senate to sit on the president's advisory committee in keeping with another motion passed in May, 1977.

The president said he had discussed with the two vice-presidents concerned the possibility that responsibility for administration of the Bookstore might be transferred from the vice-president for faculty and student affairs to the vice-president for academic development.

Both vice-presidents would be "delighted" if a third vice-president could be found to undertake the job, President Kenny said. He added that the matter was still under consideration.

Kids can get low-cost dental care at UBC

Children needing dental care are now being accepted by UBC's Faculty of Dentistry.

Every year children receive comprehensive dental care for a small fee as part of the Faculty of Dentistry's teaching program. The children are treated by third- and fourth-year dental students, who are supervised by registered dentists with special qualifications in pediatric dentistry. The emphasis is on the highest quality of care, and the prevention of dental disease.

For a maximum of \$30 a year, each child will receive comprehensive care including fillings, extractions and other work that is necessary. Last year more than 500 children received these services. Anyone interested should phone 228-5668 for more information.

UBC is also involved in developing new ways of preventing and treating dental diseases. One procedure being tested is the use of sealants to prevent decay from starting on new teeth at the back of the mouth.

A thin plastic material is placed on the chewing surfaces. By sealing the pits and small grooves, bacteria and plaque are less likely to start the decay process.

Application cards must be returned

No application, no degree.

That's the word this week from officials in the Registrar's Office, who point out that it's the responsibility of students who intend to graduate this year to apply for their degrees.

Application for Graduation cards are being mailed to students in the following bachelor's programs: arts, fine arts, music, commerce, elementary and secondary education, physical education, recreation education and science. Students in the licentiate in accounting program will also receive cards by mail. If cards fail to arrive, check with the Registrar's Office to see if it has your correct mailing address.

Students in the graduating year of all other degree programs, except graduate studies, can obtain cards in faculty offices. Graduate students can obtain them from their faculty advisors.

Mother, son play at free concert

A mother-and-son cello-and-piano duo will give a free public concert in the UBC Music Building on Friday (Jan. 19) at 8 p.m.

Parry Karp, a visiting assistant professor of cello and chamber music at UBC, will perform with his pianist mother, Frances Karp, from Madison, Wisconsin.

Parry Karp has just returned to Vancouver after performing as soloist last month with the Amarillo, Texas, symphony orchestra. Next month, he will be a soloist in New Mexico.



Picture by Jim Banham

Breathings is the title of an exhibition of recent works by artist Joey Morgan currently on display in the UBC Fine Arts Gallery in the basement of the Main Library. The 40-odd canvases, some double-sided, and free-hanging "corselets" are made, among other things, from bird netting, plastic sheeting, plaster, cement, kitty litter, camel hair, dried weeds, various fabric samples, glass beads and bumble bees.

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flight to the suburbs."

The UBC group won't be expected to create play areas in all of the 265 streets to be closed off. That would be far too ambitious a project for the UBC contingent to undertake, Mr. Gaitanakis said.

He said the group will live and work in a small hotel in central Athens, where they will design and work on converting one or two streets into play areas. The areas created by the students will serve as models for the conversion of other streets and also provide the students with practical design and construction experience.

Mr. Gaitanakis said UBC had provided some funds to support the project with the students paying their own living expenses for the four-month project. He also hopes to make a videotape of the project for future teaching purposes in the UBC school.

The UN's International Year of the Child, which will continue throughout 1979, is designed to focus on the needs and problems of children in countries throughout the world. The UBC project fits neatly into a UN general assembly resolution which says in part that "far too many children are ...

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tions would be accepted chapter and verse."

He said the report of the presidential advisory committee had been "very useful in focusing attention on an area of University operations that needs co-ordination."

Members of the standing advisory committee on student services, in addition to Prof. Vogt, are: Arnold Hedstrom, Valgeet Johl, Glenn Wong and Eric Kehler, representing the AMS; J.E.A. Parnall, UBC's registrar; Kirstie Shoolbraid, UBC's day-care co-ordinator; Dr. Archie Johnson, director of the Student Health Service; Michael Davis, director of student housing; Byron Hender, director of the Student Awards Office; Dick Shirran, director of the Office of Student Services; Dr. Lorette Woolsey, director of the Women Students' Office; and Ray Chew, who heads the new Canada Manpower Office located in Brock Hall.

deprived of the elementary amenities of life."

★ ★ ★

Doris Ogilvie, a New Brunswick juvenile court judge and chairperson of the Canadian Commission on the International Year of the Child, will give the keynote address at a child-oriented conference to be held Thursday, Jan. 25, at UBC.

The conference is Breaking the Mould, Phase 4: The International Year of the Child, and has been arranged by the International Women's Decade Committee of the Faculty of Education.

The conference is free, open to all those interested, and runs from 12:30 p.m. to 5 p.m. in the Scarfe (Education) Building.

It opens with Judge Ogilvie's talk — "What Can the International Year of the Child do for the Rights of Children?" — which will be followed by special workshops on such topics as "Strategies for Improving Race Relations in Schools," "Sports and Children: Competition or Free Play?" "Children's Literature," and "What is Day Care?" In all, there are 14 workshops from which to choose, each running from 1:45 to 3:00 p.m.

A panel discussion follows, under moderator Hannah Polowy of the Department of Early Childhood, with panelists John Friesen and Neil Sutherland speaking to the question, "What Have We Learned and Where Do We Go From Here?"

Pre-registration is not required, but anybody wishing further information on the workshops is asked to call 228-5266 or 228-3595.

Coddle your car

If you want your car to escape from the rain and snow and are faculty or staff, you can rent a reserved parking space under the Music Building, if you're quick. There are four parking spaces available for rent at a monthly rate of \$12 (\$144 a year). Two are empty until Aug. 31 and the others on a permanent basis.

If you're interested, write to: Superintendent, Traffic and Security, 3030 Westbrook Mall. First come, first served.

PEOPLE

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Research Council and chairs a similar committee for the Natural Sciences and Engineering Research Council.

Several members of the UBC faculty were honored recently during the annual meeting of the Association of Professional Engineers of B.C.

A service award for contributions to the community went to **Dr. Thomas E. Siddon** of the Department of Mechanical Engineering, a former alderman in Richmond municipality who was recently elected to the federal Parliament for the Progressive-Conservatives in the riding of Burnaby-Richmond-Delta.

A Professional Service Award for contributions to the work of the association was presented to **Prof. Samuel Lipson**, a member of the faculty since 1946 who retired earlier this year from his post as head of the Department of Civil Engineering.

One of two Meritorious Achievement Awards for outstanding work in a professional or technical field went to **Dr. Borg Madsen** of the Department of Civil Engineering for his research on the strength of wood.

A life membership in the association was conferred on **Prof. Emeritus of Civil Engineering S.H. deJong**.

Several UBC faculty members were on a committee on energy established by the Association of Professional Engineers in April, 1977, to prepare a report that is now in the hands of the provincial government.

The chairman of the committee was **Dr. S.O. Russell** of Civil Engineering. Other faculty members on the committee were: **Dr. E.G. Auld**, Physics; **Prof. Ian Warren**, Metallurgy; and **Prof. John B. Warren**, Physics.

Among other things, the committee recommended a sustained information program to alert B.C. citizens to the seriousness of energy problems and the early commencement of long-range planning of realistic policies to ensure future supplies of energy to meet provincial needs. The report also urges placing emphasis on reducing oil consumption, use of oil and natural-gas revenues for development of replacement facilities, exploitation of B.C. coal resources and the adoption of policies to encourage the use of wood wastes as an energy source.

Dr. J. Keith Brimacombe, Department of Metallurgy, will be in New Orleans Feb. 20 to receive awards from two societies of the American Institute of Metallurgical Engineering for papers he co-authored with graduate students and which appeared in the September, 1977, issue of *Metallurgical Transactions B*.

For a paper describing a mathematical model of a process for making iron from iron oxide using coal in a rotary kiln, **Dr. Brimacombe** and **Ph.D. candidate "Venkat" Venkateswaran** will receive the 1979 John Chipman Award of the Iron and Steel Society of the AIME. The research which led to writing the paper was supported by the Steel Co. of Canada.

On the same day, **Prof. Brimacombe** and **R.G. "Bob" Barton**, who graduated with a master's degree in metallurgy in 1976, will receive the Extractive Metallurgy Science Award of the AIME's Metallurgical Society for a paper on the effect of spontaneous surface motion on oxygen absorption in molten copper.

Mr. Venkateswaran will also present a paper at the AIME meetings on New Orleans.

Prof. Margaret Prang, head of UBC's Department of History, was awarded the honorary degree of Doctor of Laws (LL.D.) at the fall convocation of the University of Win-

Music:

Where concerts are part of the curriculum

If you've ever spent a lunch-hour in the quiet darkness of the recital hall of the Music building — wrapped in the cocoon of your coat, lunch on lap, while strains of Beethoven or Bartok, Weisgarber or Wilson give your head a respite from books and papers, telephones and typewriters — then you'll appreciate the contribution of the Department of Music to UBC life.

That contribution, however, is more than just the 150 or so public concerts a year which anyone, UBC affiliate or not, is welcome to attend. Those concerts aren't just for entertainment.

"The concerts are of course encouraged in the interest of professional development of faculty members, but also to provide models of professional activity by which our students can be informed," explained **Wallace Berry**, head of the music department since January of last year.

"The first year has been a very busy one because naturally I've had to learn a great deal," he said. **Dr. Berry** came to UBC from the University of Michigan and his credentials as a composer are impressive. Just this past May, he was recognized by the American Academy and the Institute of Arts and Letters for his creative work. He has also published several books and articles on music theory.

He's been impressed with the talents of the music faculty and students during his first year as department head, but he acknowledged there are still some needs in the music program.

"We have a very gifted faculty, including a number of very productive young scholars, performers and composers.

"We also have areas where we need to strengthen our offerings and increase the faculty — wind instruction, vocal coaching and accompanying are three of importance. Our instruction in string performance is greatly strengthened this year by the addition of **Parry Karp**, a cellist with a growing reputation in solo and chamber music performance. **William Benjamin** has also joined us this year. He's a young music theorist who has already made a national impact."

nipeg. Prof. Prang is a graduate of United College, the forerunner of the University of Winnipeg, and taught there before joining the UBC faculty in 1958.

Dr. Brian E. Burke, Faculty of Commerce and Business Administration, has been awarded a life membership in the Certified General Accountants' Association of B.C. for his contributions to the accounting profession.

Dr. John Dirks, head of the medicine department in UBC's medical school, has been appointed to the Medical Research Council, the federal agency that supports medical research in Canada.



Picture by Jim Banham

Another new faculty member is pianist **Pawel Chęcinski**, who has received praise from critics in a number of countries. And several artists and lecturers of note will be visiting UBC during the year to give classes and recitals. A course in 19th-century music will be given by six distinguished musicologists visiting UBC for several days each every two weeks in the spring.

Why are all these acclaimed musicians coming to Vancouver? **Dr. Berry** feels that they come here — and many stay here — because of what he termed the "quality of the enterprise, the increasing quality of the school."

Dr. Berry observed: "There's a sense of movement toward the realization of potential that I think is very important to all of us here."

And Vancouver in general is growing as a music centre with groups such as the Vancouver Society for Early Music, the New Music Society and the Community Music School becoming part of the scene. UBC co-operates with all these groups through concerts and workshops, such as the early music workshop held on campus in August of last year.

Gifted students are very much a part of the UBC music scene. UBC music students have won the national Eckhardt-Gramatte competition three years in a row now; the University Singers recently placed first in the mixed voices category of the CBC's national choral competition; students with international reputations such as

opera singer **Judith Forst** received their early training at UBC's music department.

Of the approximately 250 students in the department, about half are in a general music program which will eventually lead them to teaching, likely in a secondary school setting.

"Some, of course, become distinguished as performers and composers," **Dr. Berry** added. Enrolment is limited because of the cost of instruction, so much of which is necessarily on an individual basis. All of the students have had musical training before being accepted.

"There are schools where the end result is a diploma attesting to skills in musical performance." But there's more to the UBC music department than training skilled performers only.

"The fact that we're part of the University is an implicit recognition of the fact that we believe in the full breadth of education, embracing intellectual needs as well as practical skills," he said.

Although music courses form the major part of a music student's curriculum, there is some room for courses outside the department. He'd like to see more interaction between the music department and other departments on campus. "The physics department is contemplating a physics-of-music course," **Dr. Berry** said, and he encourages that kind of collaboration.

After all, music is a vital part of our culture, he stressed.

Two members of UBC's Faculty of Arts are on the 1978-79 advisory academic panel of the Social Sciences and Humanities Research Council, which approves grants for the support of research in Canadian universities. They are **Prof. Alan C. Cairns**, head of the Department of Political Science, and **Dr. James Russell** of the Department of Classics, who is chairman of the panel.

Dr. Robert Silverman of UBC's music department appeared with two of Canada's major symphony orchestras in December. On Dec. 5 and 6 he gave the first public performance of Piano Concerto No. 2 by Canadian composer **Harry Somers**, which had a single CBC studio performance in

1956. On Dec. 10 **Dr. Silverman** appeared with the Montreal Symphony where he performed Liszt's Piano Concerto No. 1.

Earlier in the year, **Dr. Silverman** gave two debut recitals in New York's Lincoln Centre. The *New York Times* called his performance "noble and impassioned" and termed him "a pianist of importance and high-minded purpose." The *New York Post* summed up the series by calling it "one of the most remarkable piano events of the season."

Prof. Rudy Haering of the Department of Physics is the new president of the Canadian Association of Physicists, which will meet at UBC June 18-21, 1979.

UBCalendar

UBC CALENDAR DEADLINES

Events in the week of

Jan. 28-Feb. 3 Deadline is 5 p.m. Jan. 18

Feb. 4-10 Deadline is 5 p.m. Jan. 25

Send notices to Information Services, 6328 Memorial Road (Old Administration Building), Campus. Further information is available at 228-3131.

EXHIBITS

An exhibition by Chinese Fellowship is on display from Jan. 22-26, 10:30 a.m. to 3:30 p.m. at the AMS Art Gallery, Student Union Building.

An exhibit, **Breathings: Recent Works** by Joey Morgan, continues until Jan. 27 at the Fine Arts Gallery, basement of Main Library building, Tuesday through Saturday, 10:30 a.m. to 5:00 p.m.

An exhibition of classical antiquities excavated in Southern Italy will be on display at the Museum of Anthropology on Northwest Marine Drive until Feb. 11.

Also on display at the Museum of Anthropology as one of the Museum's temporary exhibitions is **Yuquot...4,000 years: Continuity and Change in a West Coast Village**.

DISCO DANCING

Free instruction for students, faculty and staff (with Recreation UBC cards), Mondays and Wednesdays; 12:15-1:00 p.m. and 1:00-1:45 p.m. Room 207-209, SUB. Register in Room 203, War Memorial Gym.

DRAMA

Three plays by Samuel Beckett, **Krapp's Last Tape**, **Breath and Not I**, continue nightly until Saturday, Jan. 20 (excluding Sunday), at the Frederic Wood Theatre. Admission \$4.50; students \$2.50. For reservations call 228-2678 or drop by Room 207, Frederic Wood Theatre.

SUNDAY, JAN. 21

3:00 p.m. **MUSEUM OF ANTHROPOLOGY**. Prof. Alan Evans, Classics, UBC, gives an illustrated talk on **The Greeks in Southern Italy** to complement the exhibitions **Ancient Crossroads** and **Villa Rustica** which are currently on display. Museum, 6393 N.W. Marine Dr.

7:00 p.m. **SUBFILMS** presents **The End** with Burt Reynolds. Admission \$1 with AMS card. Auditorium, Student Union Building.

MONDAY, JAN. 22

12:00 noon **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg, Department of Radiology, Harvard Medical School, Boston, lectures on **Percutaneous Transhepatic Cholangiography and Jaundice**. Film Library, Heather Pavilion X-ray department, VGH.

3:30 p.m. **COMPUTING CENTRE**. The first in a series of six lectures on **Introduction to Computing** by Dr. J.M. Kennedy, UBC Computing Centre. Room 362, Computer Sciences Building.

MANAGEMENT SCIENCE SEMINAR. Prof. B.L. Miller, Department of System Science, University of California, Los Angeles, on **Countable State Average Cost Regenerative Stopping Problems**. Room 328, Angus Building.

3:45 p.m. **MECHANICAL ENGINEERING SEMINAR**. G. Ford, mechanical engineering graduate student, UBC, on **Nonlinear Oscillations for Fun and Profit**. Room 1215, Civil and Mechanical Engineering Building.

4:30 p.m. **ZOOLOGY/PHYSIOLOGY SEMINAR**. Dr. William Danzler, Physiology, University of Arizona, Tucson, on **Fluid Adsorption by Reptilian Proximal Renal Tubules. Is Sodium Necessary?** Room 2449, Biological Sciences Bldg.

7:30 p.m. **INTERNATIONAL HOUSE and CENTRE FOR HUMAN SETTLEMENTS** films and speakers series. Dr. Kenneth Barman, History, UBC, on **Why Should We Worry About Latin America?** and **Spontaneous Settlements**, a film from Colombia. Room 400, International House.

8:00 p.m. **IMMUNOLOGY SEMINAR**. Dr. Beverly Torok-Storb, Hematology Research Laboratory, Veterans Administration Hospital, Seattle, on **Bone Marrow Culture Studies in Aplastic Anemia**. Salon C, Faculty Club.

9:00 p.m. **CENTRE FOR CONTINUING EDUCATION** presents an information program **An Experiment in Citizen Participation — 'People Talking Back'**. It will provide the interested public with information as to how they can become involved in a national discussion of Canadian issues. Speakers will be Jindra Kulich, director, Centre for Continuing Education, UBC; Bill Day, principal, Douglas College, New Westminster campus; and Judith Mastai, provincial co-ordinator for 'People Talking Back'. Host Sandy McGechaen. Channel 10, Vancouver Cablevision.

TUESDAY, JAN. 23

12 noon **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg lectures on **Efficacy of Computed Body Tomography**. Film Library, Heather Pavilion X-ray department, VGH.

12:30 p.m. **CAREER ORIENTATION WORKSHOP** for third- and fourth-year women on **Go Hire Yourself An Employer**. Continues until 2:15 p.m. Pre-registration required. Call Maryke Gilmore at 228-3449.

BOTANY SEMINAR. Dr. Wilfred B. Schofield, Botany, UBC, on **Atlantic Bryophytes in Pacific North America**. Room 3219, Biological Sciences.

CURRENT AFFAIRS. Ralph Lysyshyn of the Department of External Affairs speaks on **Soviet Foreign Policy Today**. Room 102, Buchanan.

1:30 p.m. **MODERN CHEMICAL SCIENCE SEMINAR**. Dr. V. Chacko on **Recent ENDOR Studies on Free Radicals**. Room 225, Chemistry Building.

TUESDAY, JAN. 23 (Continued)

3:30 p.m. **APPLIED MATH AND STATISTICS COLLOQUIUM**. Prof. Herman Chernoff, Mathematics, MIT, on **Facing the Problem of Representing Points in N-Dimensional Space Graphically**. Room 203, Mathematics Building.

CURRENT AFFAIRS. Ralph Lysyshyn conducts a seminar discussion on **Developments in the Soviet Union Today**. Penthouse, Buchanan.

ASIAN RESEARCH SERIES on **Asians in Canada**. An-nama Joy and Van Dusenbery on **Sikhs: Indian and Non-Indian. Values and Definitions (by self and by others)**. Room A-209, Mechanical Engineering Annex A.

OCEANOGRAPHY SEMINAR. Dr. Steve Pond, Oceanography and Physics, UBC, on **Air-Sea Exchanges of Heat and Momentum During Mixed Layer Experiment at Ocean Station P**. Room 1465, Biological Sciences Building.

4:30 p.m. **CHEMISTRY RESEARCH SEMINAR**. Alan English, Chemical Research Division, Dupont, Wilmington, Delaware, on **Multiple Pulse NMR of Solid Polymers**. Room 250, Chemistry Building.

8:30 p.m. **UBC PUBLIC AFFAIRS** presents its second program on the theme **Canada — Where Did We Go Wrong?** The program examines **Has the Canadian Economy Been Mismanaged?** Guest speakers are Prof. Milton Moore, Economics, UBC, and Prof. Andrew Muller, McMaster University. Host, Gerald Savory. Channel 10, Vancouver Cablevision. (The program will be repeated on Friday, Jan. 26 at 1 p.m.)

WEDNESDAY, JAN. 24

12 noon **PHARMACOLOGY SEMINAR**. Dr. B.H. Bressler, Anatomy, UBC, on **Current View of the Cross-Bridge Model for Striated Muscle Contraction**. Room 114, Block C, Medical Sciences.

12:30 p.m. **CLASSICS LECTURE**. Prof. Kenneth Quinn, University of Toronto, on **Ovid's Metamorphoses As Ironic Epic**. Room 102, Buchanan Building.

LINGUISTICS COLLOQUIUM. Dr. Sarah J. Bell, Linguistics, UBC, on **So-Called Logical Form in Filters and Control**. Penthouse, Buchanan Building.

NOON-HOUR CONCERT. Chris Millard, bassoon and Tony Elliott, cello, perform **Music of Bach, Telemann, Mozart and Boismortier**. Recital Hall, Music Building.

12:35 p.m. **FREESEE FILM SERIES** on **The Human Journey**. This week's film is **The Family**. Auditorium, Student Union Building.

3:00 p.m. **EDUCATIONAL PSYCHOLOGY SEMINAR**. Ralph Hakstian, Psychology, UBC, on **Recent Data on the Measurement of Individual Differences, and Implications for Research**. Room 1021, Scarfe Building.

3:30 p.m. **APPLIED PROBABILITY AND STATISTICS WORKSHOP**. Prof. R. Kulperger, Department of Statistics, University of California at Berkeley, on **Inference for Stochastic Diffusion Processes**. Room 223, Angus Building.

4:00 p.m. **ASTRONOMY SEMINAR**. Dr. Tom Bolton, David Dunlop Observatory, University of Toronto, on **H-alpha Spectrophotometry of Algol**. Room 260, Geophysics and Astronomy Building.

4:30 p.m. **ECOLOGY SEMINAR**. Dr. Brian H. Walker, Botany, University of the Witwatersrand, South Africa, on **Theory and Practice of Game Ranching in Southern Africa**. Room 2449, Biological Sciences Building.

5:00 p.m. **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg lectures on **Clinical Applications of Computed Tomography**. Lecture Hall B, VGH.

7:00 p.m. **DUPLICATE BRIDGE**. Informal game at the Faculty Club. Faculty, staff and graduate students are invited to participate. \$1.75 per person includes refreshments. For further information, call Steve Rettig at 228-4865.

THURSDAY, JAN. 25

12:30 p.m. **MUSIC FOR CHAMBER ORCHESTRA**. UBC Chamber Ensembles, with conductor Paul Douglas, perform **Music of J.S. Bach, Mozart and Stravinsky**. Recital Hall, Music Building.

NOON-HOUR TRAVELS WITH ZOOLOGISTS. Dr. P.W. Hochachka, Zoology, UBC, on **How the Antarctic Weddell Seal Can Dive to a Depth of 2,000 Feet and Stay Down for Up to 70 Minutes**. Room 2000, Biological Sciences Building.

ACADEMIC WOMEN'S ASSOCIATION second session in the series on **Financial Management**. Jean Kauffman, Price Waterhouse Associates on **Planning Your Taxes**. Room 203, Buchanan Building. Non-members welcome.

HEWITT BOSTOCK LECTURER. Prof. Ferenc Feher, History, Australian National University, Canberra, on **The Jacobins in the French Revolution**. Room 102, Buchanan Bldg.

HEALTH SCIENCES STUDENTS COMMITTEE presents Bob McClelland, B.C. health minister, who speaks on **Health Care in B.C.** Lecture Hall 2, Woodward I.R.C.

BREAKING THE MOULD: Phase 4: The International Year of the Child. Keynote speaker Judge Doris Ogilvie, chairperson, Canadian Commission on the International Year of the Child, speaks on **What Can the International Year of the Child Do for the Rights of Children?** Scarfe Building. A selection of workshops will be held from 1:45 to 3:00 p.m. There will be a panel discussion at 3:30 p.m. on **What Have We Learned and Where Do We Go From Here?** No registration fee. For further information, call 228-5266/3595.

1:00 p.m. **FACULTY ASSOCIATION** General Meeting. Room 100, Mathematics Building.

2:30 p.m. **PHYSICS CONDENSED MATTER SEMINAR**. Luis Sobrino, UBC, on **The Structure of the Liquid-Vapor Interface**. Room 318, Hennings Building.

THURSDAY, JAN. 25 (Continued)

3:30 p.m. **APPLIED MATHEMATICS SEMINAR**. Prof. Charles Lange, Mathematics, UCLA, on **Asymptotic Analysis of Bifurcation Problems**. Room 203, Mathematics Building.

HEWITT BOSTOCK LECTURER. Prof. Ferenc Feher, History, Australian National University, Canberra, on **Lukacs and Goldmann**. Penthouse, Buchanan Building.

PSYCHOLOGY COLLOQUIUM. Dr. Robert Bolles, University of Washington, on **A Cognitive View of Defensive Behavior**. Room 201, Scarfe.

4:00 p.m. **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg lectures on **Problem Oriented Imaging of Pancreatic Disease**. Film Library, Heather Pavilion X-ray department, VGH.

ASTRONOMY/PHYSICS COLLOQUIUM. J. Peebles, Princeton University, on **The Origin of Clustering of Galaxies**. Room 201, Hennings Building.

7:00 p.m. **SUBFILMS** presents Walt Disney's **Dumbo**. Admission, \$1 with AMS card. Auditorium, Student Union Building. Film repeated at 7 and 9 p.m. Friday and Saturday and at 7 p.m. Sunday.

7:30 p.m. **CUSO Development Education** eight-part series. Dr. Fritz Lehmann, History, UBC, on **Development/-Underdevelopment**. Upper Lounge, International House.

8:00 p.m. **SYDNEY ISRAELS MEMORIAL SEMINAR** Series for the International Year of the Child. Dr. Robert Aldrich, Department of Preventive Medicine and Comprehensive Medicine, University of Colorado, on **Child Health in the '80s**. Lecture Hall 1, Woodward Instructional Resources Centre.

FRIDAY, JAN. 26

9:30 a.m. **MUSIC**. Master classes in **Song Interpretation and Accompanying** with Gwendolyn Koldofsky. Recital Hall, Music Building. For further information, call the UBC Centre for Continuing Education at 228-2181.

11:30 a.m. **DEVELOPMENTAL MEDICINE SEMINAR**. Dr. B. Wittman, Obstetrics and Gynecology, UBC, on **Fetal Activity in the Human Pregnancy**. Centre for Developmental Medicine, 811 W. 10th Ave.

12 noon **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg lectures on **Percutaneous Needle Aspiration Biopsy**. Film Library, Heather Pavilion, VGH.

12:30 p.m. **AMNESTY UBC** presents Pauline Jewett, former president, SFU, and member of Amnesty International, Vancouver group, who speaks on **Human Rights and Education**. Room 200, SUB.

CLASSICAL WINDS. The University Wind Ensemble, directed by Martin Berinbaum, performs **Music of Beethoven, Mozart, Torelli and Mendelssohn**. Recital Hall, Music Building.

1:00 p.m. **MEDICAL GENETICS SEMINAR**. Dr. Anthony Griffiths on **Environmental Induction of Aneuploids**. 4th floor conference room, Health Centre for Children, 715 W. 12th Ave.

2:30 p.m. **GEOLOGICAL SCIENCES** Visiting Speakers. Dr. V.F. Hollister, Duval Corporation, Vancouver; and Dr. R.O. Duda, Artificial Intelligence Centre, SRI International, Menlo Park, Calif., on **A Computational Procedure for Selecting Drilling Targets for Porphyry Copper Deposits**. Room 330A, Geological Sciences Bldg.

3:30 p.m. **LINGUISTICS COLLOQUIUM**. Dr. James Patrie, Linguistics, UBC, on **Polarity in Vowel Systems**. Room 2225, Buchanan Building.

MUSIC. Master classes in **Song Interpretation and Accompanying** with Gwendolyn Koldofsky. Recital Hall, Music Building. For further information, call the UBC Centre for Continuing Education at 228-2181.

MATHEMATICS COLLOQUIUM. Dr. Cameron Gordon, Department of Mathematics, University of Texas, on **The Smith Conjecture: Can A Rotation of the Three Sphere Have a Knotted Axis?** Room 1100, Mathematics Annex.

CHEMICAL ENGINEERING SEMINAR. Chris Zee on **Analysis of Air Quality Data**. Room 206, Chemical Engineering Building.

COMPUTER SCIENCE COLLOQUIUM. Jean-Loup Baer, Computer Science, University of Washington, Seattle, on **Choosing Algorithms and Data Structures According to the System's Architecture**. Room 301, Computer Science Building.

4:00 p.m. **DIAGNOSTIC RADIOLOGY** Visiting Professor. Dr. Jack Wittenburg lectures on **Intestinal Ischemia**. Film Library, Heather Pavilion, VGH.

SOIL SCIENCE SEMINAR. Dr. Joe Nnyamah, Soil Science, UBC, on **A Global Review of Resistance to Water Uptake in Plants**. Room 154, MacMillan Building.

1978 McLaughlin Foundation Edward Gallie Visiting Professor Dr. Claude E. Welch speaks on **The Historical Development of Surgery of the Colon-Rectum**. St. Paul's Hospital Laboratory Conference Room.

6:45 p.m. **WOMEN'S BASKETBALL**. UBC Thunderettes vs. the University of Calgary. War Memorial Gymnasium.

8:00 p.m. **UKRAINIAN STUDIES SEMINAR**. Bohdan Kravchenko on **Politics in Soviet Ukraine After Stalin's Death**. Langara College.

MUSIC FOR CHAMBER ORCHESTRA. UBC Chamber Ensembles, conducted by Paul Douglas, perform **Music of J.S. Bach, Mozart and Stravinsky**. Recital Hall, Music Building.

INTERNATIONAL HOUSE barn dance. Bar. Non-members, 50 cents; members, free. International House.

8:30 p.m. **MEN'S BASKETBALL**. UBC Thunderbirds vs. the University of Calgary. War Memorial Gymnasium.

SATURDAY, JAN. 27

9:30 a.m. **MUSIC**. Master classes in **Song Interpretation and Accompanying** with Gwendolyn Koldofsky. Recital Hall, Music Building. For further information, call the UBC Centre for Continuing Education at 228-2181. There will be another class at 3:30 p.m.

6:45 p.m. **WOMEN'S BASKETBALL**. UBC Thunderettes vs. the University of Calgary. War Memorial Gymnasium.

8:30 p.m. **MEN'S BASKETBALL**. UBC Thunderbirds vs. the University of Calgary. War Memorial Gymnasium.