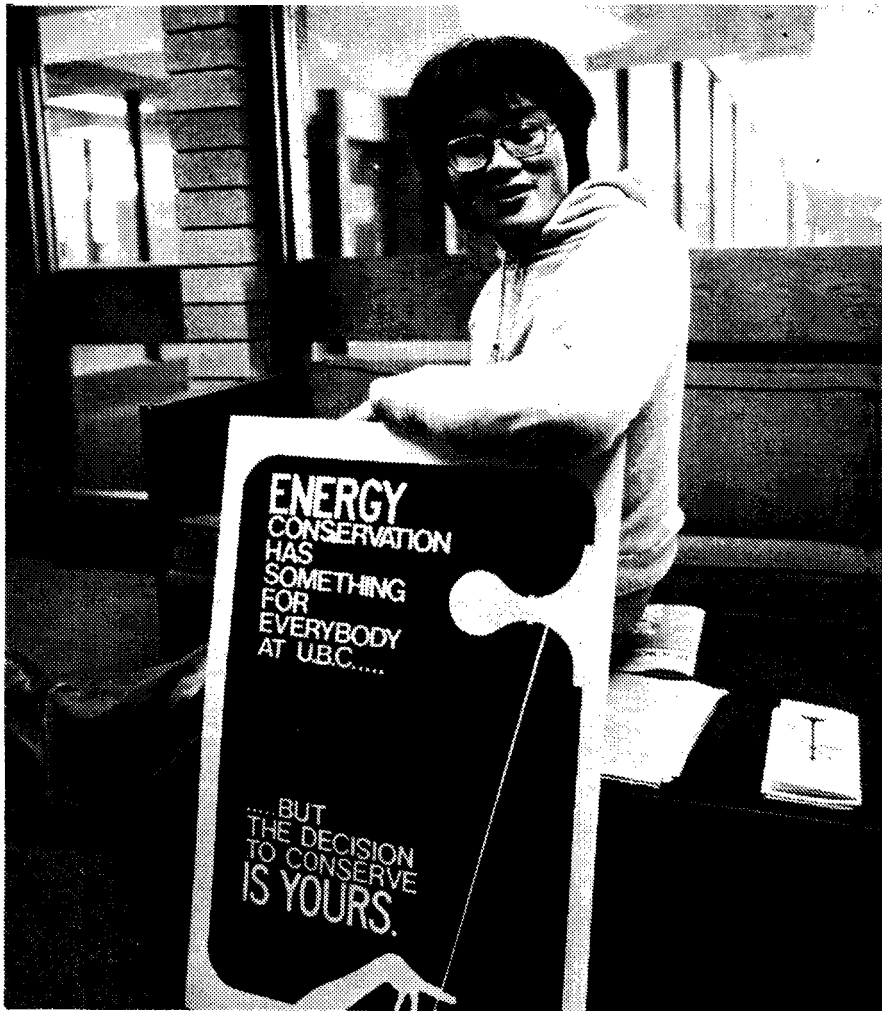


ubc reports



Jim Banham photo

Winner of \$300 first prize in UBC's energy-conservation poster contest is Stan Wong, a second-year Commerce student who studied commercial art at Vancouver Community College before enrolling at UBC. Other prizewinners in the contest that attracted 41 entries were: Julie Peterson, Education 5, who was awarded second prize of \$200; and Robert R. Lanon, Arts 4, Adolpho Spaleta, Architecture 1, and Warren Cooke, Arts 1, each of whom won \$100 runner-up awards.

NRC grants go to 16 at UBC

Sixteen National Research Council grants totalling \$366,200 have been awarded UBC scientists for special research in energy, environmental toxicology and oceanography.

The NRC set aside \$2.4 million for "strategic grants for university research in three areas of Canadian interest" and received more than 450 requests for funds. Only 83 grants were approved, including the 16 to UBC faculty.

One of the UBC recipients, plant science professor Victor Runeckles, will head a research group that has

received \$35,000 to study the long-term effects of air pollutants on B.C. vegetation and the environment.

Until now, said Prof. Runeckles, the research emphasis has been on high-level exposure to air pollutants, especially to sulphur dioxide. He said far less is known about chronic, low-level exposure, which may prove to be of considerably greater environmental impact.

Other UBC grant recipients are:

W.R. Cullen (Chemistry) \$30,000: Microbial transformation of metals, metalloids, and their compounds,

Continued on p. 2 "Grants"

Union extends picketing to Faculty Club

Members of the International Union of Operating Engineers, Local 882, extended their picket line to the Faculty Club this week, but the club remains open.

The operating engineers, who operate the heating plant and maintain the mechanical systems in University buildings, have been on strike since Feb. 21, but until this week had confined picketing to the steam plant itself.

Supervisors have operated the heating plant since the strike began. A spokesman for the strikers said the Faculty Club was being picketed because it was providing meals for the supervisors inside the heating plant.

The Faculty Club has remained open, with supervisory personnel and faculty volunteers filling in for union employees who would not cross the operating engineers' picket line.

Club manager Dick Hansen said there was no immediate problem with supplies. He said he could not operate the coffee shop or dining room but would keep the cafeteria open from 11:30 a.m. to 2:00 p.m. daily.

Local 882's contract with the University expired on Dec. 31. The University originally offered the 25 engineers a 4-per-cent increase, in accordance with Anti-Inflation Board guidelines, in a one-year contract, but this was rejected. The union asked that operating engineers' wages be related to those of UBC tradesmen who are members of the Canadian Union of Public Employees (CUPE). Specifically, the union said a maintenance engineer I should receive the same monthly pay as a CUPE plumber.

The University agreed on Jan. 10 to an engineer/CUPE wage relationship, on an hourly basis, provided the operating engineers would agree to a 15-month contract that would expire on March 31, 1979, to conform with the University's fiscal year.

The Jan. 10 offer would give a maintenance engineer I an initial raise of 3.48 per cent, retroactive to

Continued on p. 3 "Engineers"

Conferences will bring 19,000 visitors

If it weren't for the work of the UBC Conference Centre staff, each student in residence would be paying at least \$50 more a year to stay at UBC.

Some of the Food Services staff would have to be laid off in the summer months. About 30 student would be without summer jobs.

Those are the bare facts. But underneath the facts is a story of a lot of not-so-obvious advantages to turning UBC into a conference centre which attracts thousand of visitors to the campus every summer.

John Burns, who's been manager of the Conference Centre for all of seven weeks now, is enthusiastic about his new post. He thinks university conference centres have something special to offer groups of all kinds. His three years' experience as conference co-ordinator at Carleton University in Ottawa, Canada's fourth-largest university conference centre, has readied him for the challenge of UBC — Canada's largest operation.

It's not just summer work for John and his five staff. During the winter two staff members are out drumming up business by letting groups and individuals know the kinds of services UBC offers. Two others co-ordinate the reservations which are placed in the winter. John stresses that the UBC conference centre is not really in competition with the downtown hotels for conference business. "We're not a hotel. We can offer some unique facilities, but in other

areas we can't come close to what a downtown hotel has to offer," he says.

The groups who choose to meet at UBC do not have the luxuries of a private bath in each room and color television. There's no room service; no morning wake-up calls.

However, they are offered budget-priced accommodation, meeting



John Burns

rooms to serve all occasions from the intimate seminar situation to a plenary session for 1,000 people, audio-visual equipment, and library resources. There's tennis courts, swimming pools, playing fields. There's a quiet studios environment removed from the bustle of downtown.

It's mainly academic conferences that are attracted to UBC, John Burns explains. The list of conferences expected on campus this summer ranges from the Numerical Analysis Group in early May through to the Geological Society of America in late August. More than 1,000 students from Japan will stay at UBC this summer for periods of one to six

It's going to be a busy summer for the UBC Conference Centre staff. The centre takes in its first guests the first week in May and will still be going strong the last week in August. Some of the highlights of the summer:

Ibsen and the Theatre — About 200 are expected to participate in this celebration of the 150th anniversary of Henrik Ibsen's birth from May 9 to 12. International speakers include Martin Esslin, author of *Theatre of the Absurd* and formerly head of the BBC drama department; actress Janet Suzman; James McFarlane, translator of *The Oxford Ibsen*; Michael Meyer, Ibsen biographer, novelist and playwright; and many other Ibsen specialists. For more information, call 228-2181, local 220.

Humanoid Monsters: Sasquatch and Other Phenomena — From May 10 to 13, anthropologists, sociologists, folklore experts, psychologists, historians and sasquatch hunters will gather to fit together what the world knows about human-like monsters. Information on this conference is available from 228-2181, locals 237 or 252.

The National Youth Orchestra will be on campus practising and giving concerts from August 13 to 27.

The Association for Commonwealth Universities — More than 1,000 university presidents and top administrators from all over the Commonwealth will be at UBC from August 19 to 26 to discuss the problems and challenges for universities in the future.

weeks as part of their English-language training. Altogether about 19,000 people will be staying in UBC's residences this summer.

How do the downtown hotels feel about such a major facility on their doorstep? We really don't take away from their clientele, Mr. Burns explains. "A lot of our work involves

Grants aid UBC researchers

Continued from p. 1
with B.C. McBride;

R.L. Chase (Oceanography) \$13,500: Heavy metal enrichment in deepsea sediments, with J.W. Murray and E.V. Grill;

P.H. Leblond (Oceanography) \$4,500: Numerical studies of the Fraser River plume;

L.A. Mysak (Mathematics) \$10,800: Problems in dynamical oceanography;

T.R. Pearson (Oceanography) \$29,600: Co-operative investigations of the biology of the northern northeast Pacific Ocean re the food web and biological dynamics of harvestable resources;

G.L. Pickard (Oceanography) \$44,900: Digital CTD probe;

G.S. Pond (Oceanography) \$4,500: Inlet (estuary) circulation, dynamics and mixing; and \$31,400 for a portable data acquisition

system;

J.E. Hay (Geography) \$34,700: An assessment of the spatial variability of solar energy at the earth's surface;

B.R. James (Chemistry) \$25,300: Utilization of carbon monoxide;

Antal Kozak (Forestry) \$9,000: Estimation of bark volume of the commercial trees of British Columbia;

Jan Leja (Mineral Engineering) \$25,000: Surfactants, properties of surfaces, flotation studies; and \$15,000 for a thermal analysis system;

J.H.G. Smith (Forestry) \$36,000: Present and potential energy yields from B.C. tree species, with Oscar Sziklai;

Tomiya Watanabe (Geophysics/Astronomy) \$17,000: Solar magnetic disturbances in power-line systems, with R.E. Horita.

to UBC this summer

bringing new business to the city which normally wouldn't think of Vancouver as a meeting place. Of those people that do come, there's inevitably some who would rather stay at the Hyatt than at Gage residence, and so that actually boosts the downtown hotels' business. And then, of course, we only operate four months of the year, so we refer a lot of the winter conferences to the downtown centres."

Having academic conferences so close to home is an advantage for many of UBC's academic departments as well. Money for travelling to conferences is tight these days at the University and if the conference is here rather than Toronto or Chicago, several members of Mathematics or Geology or any other department can benefit. "It revitalizes the department in some cases," John says from his experiences at Carleton.

But the basic purpose of the UBC Conference Centre is not to reduce departments' travel expenses or to show off the campus during the summer months at the height of its beauty. The main purpose is to cut down the costs of residence fees for students. "Student residences receive no government funding to cover capital or operating expenses. The mortgage payments, utility bills and

all operating costs including staff salaries, must be covered by fees charged to student residents. We figure that the Conference Centre will make a net contribution of \$185,000 toward the 1978-79 budget."

There's lots of room for growth in John Burns's operation. More than 19,000 summer guests may seem like a lot of people, but that's only about a 39 per cent occupancy rate. "We can't hope to fill the place," John admits. But they're working on it, with conferences booked as far ahead as 1984.

Operating engineers extend pickets Continued from p. 1

Jan. 1, and would bring him even with a UBC plumber at \$10.53 an hour. Other members of Local 882 would receive the same percentage increase.

Then, on April 1, the operating engineers would receive an additional increase equal to the CUPE increase, with a guaranteed minimum of 4 per cent — a guaranteed total increase of 7.48 per cent.

This was also rejected by the union. A final breakdown in the protracted negotiations came over the question of arbitration. The University said it was prepared to go to arbitration on all outstanding issues; the union wanted arbitration only on

New director starts March 28

Brant E. Ducey, 42, has been named director of Information Services for UBC, President Douglas Kenny has announced.

Ducey, a native of Edmonton and a former reporter with *The Sun* in Vancouver, comes to the University from Canadian National Railways, Montreal, where he was director of public relations.

He is married, has three children, and holds a master's degree in journalism from the University of Oregon. He starts at UBC on March 28.

specific points.

UBC president Douglas Kenny said the Jan. 10 offer would give the operating engineers increases of between \$1,085 and \$1,437 in 1978.

"It is a fair offer, and it is at the upper limits of what the Anti-Inflation Board would allow," Dr. Kenny said.

Hourly wages for the 25 operating engineers, as of April 1, would range from a low of \$9.59 to a high of \$12.55. Yearly salaries would range from \$17,746 to \$23,490.

The picketing of the Faculty Club forced postponement of the annual Big Block banquet, which had been scheduled for Tuesday night.

NEXT WEEK AT UBC

Continued from page four

FRIDAY, MARCH 31 Continued

3:30 p.m. **COMPUTER SCIENCE COLLOQUIUM.** Prof. M.E. Maron, University of California at Berkeley, on **File Size, Indexing Breadth, and the Deterioration of Recall: Some Surprising Relationships.** Room 301, Computer Science Building.

8:00 p.m. **SPANISH THEATRICAL PRODUCTION.** The Spanish department and the Circulo present **Amor de Don Perlimplin con Belisa en su Jardin** by F. Garcia Lorca. International House. **AN EVENING OF OPERA.** French Tickner, Music, UBC, directs **Music of Ravel, Mozart and Kupfermann.** Old Auditorium.

SATURDAY, APRIL 1

1:00 p.m. **CLOISONNE WORKSHOPS.** Vancouver artist Judith Gould conducts four cloisonne workshops April 1, 8, 15 and 22 from 1 — 4 p.m. in the Museum of Anthropology. Register through the museum, 6393 N.W. Marine Dr.

8:00 p.m. **AN EVENING OF OPERA.** French Tickner directs **Music of Ravel, Mozart and Kupfermann.** Old Auditorium.

MUSEUM OF ANTHROPOLOGY

An exhibition of the collected works of **Joe David**, a contemporary West Coast artist, continues until May 31. An exhibition titled **Encounter 1778: Drawings, watercolors and sketches** by John Webber at Nootka Sound, opens Tuesday, March 28, and continues until June 30. 6393 N.W. Marine Dr.

THE BOOKSTORE

The Bookstore will be closed Thursday, March 30 and Friday, March 31 for annual inventory. The final date for counter service in departmental supplies to be charged in the fiscal year 1977-78 will be Tuesday, March 28.

OPERATION CROSSROADS AFRICA

Operation Crossroads Africa is seeking faculty and student volunteers for participation in its 1978 work-travel-study program in English- and French-speaking countries in Africa. 1978 dates for the program are July 2 to Sept. 2, preceded by an orientation period beginning June 27. Further information is available from Dr. Colin Smith, International House, or from the organization's headquarters, 150-Fifth Ave., New York, N.Y. 10011.

PREFERRED STUDENT PARKING

Eligible senior students can apply for reserved parking in Lots A and C for the 1978-79 academic year beginning at 7:30 a.m. Saturday, April 1. Eligible senior students are those who by Aug. 31, 1978, have completed three years on campus or are enrolled in fourth year or more senior courses for 1978-79. The system of reserved preferred parking is designed to give senior students living or working outside the Vancouver area during the summer an equal chance to obtain such parking with students living in Vancouver. Students may also apply by writing to the Traffic and Security Department. Students applying in person or by mail will be charged a fee of \$1 to cover administrative costs. The fee will be refunded if space is not allotted to the applicant.

TREASURES OF TUTANKHAMUN

A second block of 100 spaces is available to the UBC community on the tour to the Seattle Art Museum for Saturday, July 22, for a late-night tour — 11 p.m. to 12 midnight. If interested, please send self-addressed envelope and \$10 for admission to H.E. Kassis, Religious Studies (no telephone calls please) by March 28.

FOOD SERVICE HOURS FOR EASTER WEEKEND

SUB Snack Bar	
Friday, March 24	Closed
Saturday, March 25	9:30 a.m. — 4:30 p.m.
Sunday, March 26	11:00 a.m. — 6:00 p.m.
Monday, March 27	Closed
Totem Dining Room	
and	
Place Vanier Dining Room	Open for cash meals

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, MARCH 26

3:00 p.m. **MUSEUM OF ANTHROPOLOGY.** Jim Haggerty, associate curator of archeology, B.C. Provincial Museum, will present an illustrated talk outlining the different archeological projects which have been undertaken on the west coast. 6393 N.W. Marine Dr.

MONDAY, MARCH 27

Easter Monday. University closed.

TUESDAY, MARCH 28

12:30 p.m. **BOTANY SEMINAR.** Beatrice Sweeney, Biological Sciences, University of California at Santa Barbara, on **Circadian Rhythms in Algae.** Room 3219, Biological Sciences Building.
SLAVONIC AREA STUDIES LECTURE. Dr. Daniel Brower, History, University of California at Davis, on **Education and Russian Revolutionaries.** Room 104, Buchanan Building.
ASIAN RESEARCH LECTURE. Jon Halliday, London, journalist and author, on **North Korea in Recent Years.** Room 102, Buchanan Building.
12:45 p.m. **SOCIOLOGY SEMINAR.** Dr. Alan Roadburg on **Meanings of Work and Leisure.** Room 1305, Anthropology and Sociology Building.
1:30 p.m. **GEOPHYSICS AND ASTRONOMY SEMINAR.** Prof. Syun-ichi Akasofu, Geophysical Institute, University of Alaska, on **The Aurora.** Room 260, Geophysics and Astronomy Building.
3:30 p.m. **CLASSICS SEMINAR.** J.B. Hainsworth, fellow and dean of New College, Oxford, on **The Non-Italic Languages of Italy.** Room 154, Buchanan Building.
SLAVONIC AREA STUDIES SEMINAR. Dr. Daniel Brower on **The Urban Roots of Revolution in Russia.** Penthouse, Buchanan Building.
ASIAN RESEARCH SEMINAR. Jon Halliday, London, author of *A Political History of Japanese Capitalism and Japanese Imperialism Today, on Japan in the Seventies.* Room 209A, Mechanical Engineering Building.
OCEANOGRAPHY SEMINAR. Dr. B. Kimor, Israel, on **Marine Fauna of the Eastern Mediterranean and Exchange Through the Suez Canal.** Room 1465, Biological Sciences Building.
4:30 p.m. **CHEMISTRY SEMINAR.** Dr. H. Taube, Chemistry, Stanford University, on **Back Bonding in Classical Complexes.** Room 250, Chemistry Building.

WEDNESDAY, MARCH 29

12 noon **DEVELOPMENTAL MEDICINE SEMINAR.** Dr. P. Hahn, Centre for Developmental Medicine, on **The Immediate Effects of Over and Under Nutrition in the Rat.** Centre for Developmental Medicine, 811 W. 10th Ave.
12:30 p.m. **CHRISTIAN OUTREACH** small group bible study with Peter David, pastor, Shiloh Youth Revival Centres. Room 200, Scarfe Building.
NOON-HOUR CONCERT. UBC Chamber Players perform Octet by Franz Schubert. Recital Hall, Music Building.
KOERNER LECTURE. Dr. Jean Hilton, Open University, on **Medieval Forests.** Room 166, MacMillan Building.
3:30 p.m. **STATISTICS WORKSHOP.** Dr. R. Hakstian, Psychology, UBC, on **Distribution — Robust Tests of Homogeneity of Variances.** Room 412, Angus Building.
CLASSICS/COMPARATIVE LITERATURE LECTURE. J.B. Hainsworth, New College, Oxford, on **Thought and Deed: The Mentalist Interpretation of Action in Homeric Epic.** Room 204, Buchanan Building.
4:00 p.m. **BIOCHEMICAL SEMINAR.** Dr. Ted Lo, Biochemistry, University of Western Ontario, on **Reconstitution of Bacterial Transmembrane Function Into Eucaryotic Cell Membranes.** Lecture Hall 5, Woodward Instructional Resources Centre.
HISTORY COLLOQUIUM. Dr. Douglas Goid, Killam post-doctoral fellow, History, UBC, on **Britain and Peacemaking in the Near East After the First World War.** Penthouse, Buchanan Building.
4:30 p.m. **ANIMAL RESOURCE ECOLOGY SEMINAR** with Dr. E.R. Pianka, University of Texas, Austin. Room 2449, Biological Sciences Building.
6:00 p.m. **TUMOR BIOLOGY STUDY GROUP.** Dr. M.G. McLoughlin, chairman, Division of Urology, UBC, and head, Department of Urology, VGH, on **Rationale for Endocrine Manipulations in Cancer of the Prostate.** Conference room, second floor, A.M. Evans Clinic, 2656 Heather St. Admission, \$3.50, includes buffet dinner and refreshment.

WEDNESDAY, MARCH 29 Continued

7:30 p.m. **BEHAVIOR AND GENETICS SEMINAR.** P.H. Luyten, Zoology, UBC, on **Behavioral Aspects of the XYY Genotype in Humans.** Room 5460, Biological Sciences Building.
8:00 p.m. **JAPANESE MUSIC AND DANCE** performance by the Tamagawa University Chorus and Dance Group. Frederic Wood Theatre. Tickets, \$4 for adults, \$2 for students and senior citizens, available from Room 207, Frederic Wood Theatre, 228-2678.

THURSDAY, MARCH 30

9:00 a.m. **PSYCHIATRY SEMINAR.** Dr. J.L. McCaugh, vice-chancellor and professor of psychology, University of California at Irvine, on **Experimental Modulation of Memory Storage Processes.** Lecture theatre, Health Sciences Centre Hospital.
12:15 p.m. **BEHAVIORAL SCIENCE SEMINAR.** Dr. G.C. Robinson, Pediatrics, Children's Diagnostic Centre, on **To What End Assessment — A Community Perspective.** Children's Hospital, 250 W. 59th Ave.
12:30 p.m. **JAPANESE MUSIC AND DANCE.** A demonstration performance by the Tamagawa University Chorus and Dance Group of Japanese folk arts. Frederic Wood Theatre. Free.
SPANISH THEATRICAL PRODUCTION. The Spanish department and the Circulo present *Amor de Don Perlimplin con Belisa en sur jardin* by F. Garcia Lorca. International House.
2:30 p.m. **SLAVONIC STUDIES FILM** *Storm Over Asia* (1928), directed by V. Pudovkin, scenario by O. Briki. A Soviet film classic about revolution in East Asia. Room 217, Buchanan Building.
3:30 p.m. **CLASSICS LECTURE.** J.B. Hainsworth, New College, Oxford, on **The Growth and Decline of Formulae in Homer.** Room 154, Buchanan Building.
3:45 p.m. **MANAGEMENT SCIENCE SEMINAR.** Prof. R. Fildes, Manchester, England, on **Selecting a Forecasting Model.** Room 312, Angus Building.
APPLIED MATH AND STATISTICS COLLOQUIUM. Room 2449, Biological Sciences Building.
4:00 p.m. **PHYSICS COLLOQUIUM.** E.G. Auld, Physics, UBC, on **Protonium and Baryonium: Atomic and Nuclear Physics with Anti-Matter.** Room 201, Hennings Building.
4:30 p.m. **ZOOLOGY SEMINAR.** Dr. Don McPhail, Zoology, UBC, on **Micro-Evolution in Sticklebacks — the Role of Food and Space.** Room 2000, Biological Sciences Building.
PLANT SCIENCE SEMINAR. Anabel Cole, Plant Science, UBC, on **Isolation and Partial Characterization of a Virus-Like Particle from a Filamentous Eucaryotic Green Alga.** Room 342, MacMillan Building.
8:00 p.m. **JAPANESE MUSIC AND DANCE** performance by the Tamagawa University Chorus and Dance Group. Frederic Wood Theatre. Tickets, \$4 for adults, \$2 for students and senior citizens, available from Room 207, Frederic Wood Theatre, 228-2678.

FRIDAY, MARCH 31

9:00 a.m. **PEDIATRICS GRAND ROUNDS.** Dr. D. Smith, Pediatrics, UBC; and Dr. P.S. Stephenson, Psychiatry, UBC, on **Anorexia Nervosa.** Lecture Hall B, Heather Pavilion, Vancouver General Hospital.
11:30 a.m. **CHEMISTRY SEMINAR.** Dr. J.F. Stoddart, Chemistry, University of Sheffield, England, on **From Carbohydrates to Enzyme Analyses.** Room 160, Chemistry Building.
1:00 p.m. **GENETIC SEMINAR.** Dr. B. McGillivray on **Differential Diagnosis and Work Up of a Child with Short Stature.** Conference room, Health Centre for Children, 715 W. 12th Ave.
3:30 p.m. **CHEMICAL ENGINEERING SEMINAR.** M. Kennard on **Aerosol Removal in Packed Beds.** Room 206, Chemical Engineering Building.
CLASSICS LECTURE. J.B. Hainsworth, New College, Oxford, on **Aeolism in Homer.** Room 154, Buchanan Building.
MUSIC COLLOQUIUM. Dr. John Sawyer, Music, UBC, on **Sir Peter Leicester, J.P.: 17th Century Antiquarian and Amateur Musician;** and Horst B. Loeschmann on **Melodic Style in Late Byzantine Communion Chants.** Seminar room, Music Library, Music Building.
LINGUISTICS COLLOQUIUM. Prof. Richard De Armond, Modern Languages, SFU, on **The Formation and Interpretation of Causative Verbs Within the Framework of 'Realistic Grammar.'** Room 2225, Buchanan Building.

Continued inside