

"Birds" hoping for third victory in Sturman Bowl

The third annual UBC-Wesley Sturman Bowl, between the blooded teams from the University of British Columbia (Wesley) and the University of Alberta (Birds), will be held in Kamloops, B.C. on Oct. 11 and 12, with the 1981-82 season in New Orleans.

Although the UBC team has won the Sturman Bowl two years running, this year's game will be a special one for the "Birds" as they will be playing in front of their home crowd. The game will be held at the University of Alberta's Sturman Bowl stadium.

Good luck to both teams as they compete for the 1981-82 Sturman Bowl trophy. The game will be held on Oct. 11 and 12, with the 1981-82 season in New Orleans.

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UBC reports

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Photo by Jim Rankin

The UBC report for the year 1980-81 shows a steady increase in enrollment. The total number of students enrolled in the fall semester was 28,100, an increase of 1,000 from the previous year.

The report also highlights the success of the university's research programs. Total research expenditures for the year reached \$100 million, a significant increase from the previous year.

Record winter enrollment expected

UBC's 1981-82 winter enrollment is expected to reach a record high. The university anticipates an increase of 2,000 students over the previous year.

The increase is attributed to a combination of factors, including a strong recruitment drive and a growing reputation for the university's academic programs.

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The university's success in attracting new students is a testament to its commitment to excellence in education. The winter enrollment is expected to be a record for the university.

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Research funds up 9.5 per cent

Funding for research at UBC has increased by 9.5 per cent over the previous year. The total amount available for research is now \$100 million.

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Committee seeks views

The University and the UBC local of the Association of University and College Employees have set up a six-member committee to make recommendations about a bi-weekly pay system for support staff.

UBC employees are now paid twice a month. They receive an advance on the 15th of each month and the balance of their pay on the last working day of the month.

A switch to a bi-weekly pay system would mean employees would receive a cheque every second Friday. This would give them 26 pay cheques a year instead of 24 and in leap years they would get three cheques in some months instead of two.

The committee is asking for opinions, suggestions and criticisms of the proposed scheme from interested support staff. Written submissions should be sent to Linda Tretiak, AUCE Office, Campus Mail.

In addition, members of the support staff may phone any member of the joint committee to express an opinion. Committee members and their UBC locals are: Vicki Ayer, Continuing Education, 2181; Fern Long, University Co-ordination Office, 6486; Linda Tretiak, Office of the Co-ordinator, Health Sciences, 2258; Lynne Warneholdt, Employee Relations, 5811; Nancy Wiggs, Legal Clinic, 2880; and Bob Seeley, Finance, 6355.

Service held for engineer

A memorial service was held Thursday (Oct. 2) for Professor emeritus Wilfrid G. Heslop, a member of UBC's Department of Civil Engineering for 27 years from 1945 until his retirement in 1972.

Prof. Heslop died on Sept. 27 at the age of 74 after several months of illness.

A native of England who came to Canada with his parents as a child, Prof. Heslop received his civil engineering degree at the University of Toronto. He worked for Ontario Hydro and the Ontario highways department until the outbreak of the Second World War, when he joined the RCAF.

He rose to the rank of squadron leader and was in charge of Canadian navigation schools which were part of the Commonwealth Air Training Program for the training of air crews.

Prof. Heslop joined the UBC faculty in 1945 at the invitation of UBC's former president, Dr. Norman MacKenzie. He took a great interest in the whereabouts and accomplishments of engineering graduates and in addition to his teaching and research duties was active on University committees concerned with athletics.

New UBC lecture series to begin

A leading Quebec political scientist will inaugurate a new lecture series at UBC honoring Prof. Stuart Jamieson, who retired last year from the Department of Economics after a 34-year teaching and research career.

The first Jamieson lectures will be given Oct. 16 and 17 by Prof. Leon Dion of the political science department at Laval University in Quebec City, who will speak on "The Debate on the Constitution: Aftermath of the Quebec Referendum."

His Oct. 16 lecture will be given in Room 104 of the Buchanan Building at 12:30 p.m. His second lecture, a further development of his topic, will be given in the same location at 7:30 p.m. on Oct. 17.



Picture by Jim Ranham

These four young UBC researchers are winners of prestigious University Research Fellowships, awarded for the first time this year by the Natural Sciences and Engineering Research Council under a plan aimed at expanding research opportunities for a select number of very promising post-doctoral students. The first UBC winners, who will receive up to \$23,500 a year plus an annual \$10,000 research grant are, left to right, Dr. Alexander MacKay, a physicist who is doing work in the field of biophysics; Dr. Edwin A. Perkins, a mathematician working in the field of probability theory; David Garbary, a botanist who specializes in marine algae; and Paul Hickson, an astronomer who is working on the photometry of galaxies and quasars.

UBC profs on task force

Two UBC faculty members are key figures on a national task force that is preparing a report which is expected to have a significant impact on future federal support for scientific research.

Prof. Fred Siller of the Faculty of Commerce and Business Administration is the chairman of a ten-member task force appointed by the Natural Sciences and Engineering Research Council (NSERC) to report on funding priorities for university research equipment and to recommend the most efficient use of such equipment.

A second member of the task force, Prof. Myer Bloom of the Department of Physics, has primarily been responsible for analysing the results of a questionnaire distributed to natural and applied science departments at 16 Canadian universities, including UBC.

The questionnaire asked researchers to report on such things as the present state of scientific equipment in their departments, how much of it will be obsolete within five years and the magnitude of the funds needed for new equipment.

The results of the questionnaire will

be incorporated into the task force's report, which is expected to be ready for submission to NSERC in December.

Prof. Siller said establishment of the task force was an outgrowth of recommendations made in a five-year plan prepared by NSERC on the funding of university research. One of the major problems cited in the NSERC report is the inability of many university researchers to carry out advanced work because of the outdated nature of research equipment.

The task force is looking at more than simply the cost of updating such equipment, Prof. Siller said.

It's also looking at the possibility of establishing "centres of instrumentation" in various locations. Researchers who wanted to use advanced and expensive equipment would travel to such centres to carry out their projects.

The task force is also investigating the maximum utilization of new equipment with the idea of purchasing items which would be used for teaching purposes after becoming obsolete for "frontier research."

RESEARCH Continued from page 1

tinuing support. This is particularly true in the health sciences, where it is important to make provision for projects to be carried out over a reasonable length of time.

Five UBC faculties received research funds in excess of \$2 million in 1979-80, compared to only two five years ago.

The Faculties of Medicine (\$9,636,791) and Science (\$9,601,318) topped the list in 1979-80. Other faculties which received more than \$2 million in 1979-80 were: Applied Sciences — \$2,549,662; Agricultural Sciences — \$2,354,028; and Arts — \$2,266,294.

Six UBC departments — five in the natural sciences and one in the health

sciences — were each awarded grants in excess of \$1 million in 1979-80.

Topping the list in the natural sciences were: chemistry — \$2,190,806; physics — \$1,884,149; zoology — \$1,118,209; oceanography — \$1,109,618; and biochemistry — \$1,078,064.

The medical faculty's Department of Medicine received \$2,316,973 for research projects in the 1979-80 fiscal year.

In the applied sciences, the Department of Metallurgical Engineering led the research-fund list with grants totalling \$645,848, the leader in the social sciences was the psychology department with \$932,642, and the Department of Music received \$63,780 to lead the humanities departments.

Games combine education and fun

Throw the dice and move three spaces... It doesn't sound like a typical classroom lesson, but thanks to WEDGE (Western Education Development Group) more and more elementary and secondary students are learning in a way that is fun as well as educational.

WEDGE, a curriculum development group at UBC headed by Prof. Kip Anastasiou of the Faculty of Education, has produced eight educational games and more than 60 booklets since it began life in 1972 as the Vancouver Environment Education Project, or VEEP for short.

Their latest game, Shop Hop, simulates a trip to a shopping mall and is designed to teach students about basic budgeting and comparative shopping.

"Our objective in producing the game," says Prof. Anastasiou, "was to create a consumer learning resource that is fun to use, and that complements the present elementary curriculum, including mathematics. The game provides a learning exercise in consumer fundamentals that kids can enjoy."

Shop Hop players are given a list of items to buy and a certain amount of money to spend. Since the prices of items differ at various stores on the board, players must shop around to find bargains in order to keep within their budget.

The idea for the game was conceived four years ago by two Richmond teachers, Arlene Offer and Margaret Compeau, and was developed further by another teacher,

Trish Richardson. Shirley Haines, a full-time employee at WEDGE, worked with Ms. Richardson and Ms. Offer developing the game and did the art work for the board.

"We went through a lot of revisions before the game was finished," says Ms. Haines. "The game was tested in schools and we made changes according to the feedback we got. We didn't want to make it too complicated or the kids would find it too confusing to play. On the other hand we had to make it challenging enough so they wouldn't be bored. It took a while to reach just the right level of difficulty."

The game takes about 20 minutes to play. "You go around the board three or four times," says Ms. Haines. "The first time around you just compare prices to find the best place to spend your money."

The game is designed for ages nine to adult and would probably do well on the commercial market. But Shop Hop, like the other games produced by WEDGE, is distributed only in schools. "We're in education," says Prof. Anastasiou, "and our purpose in developing the games is to teach and not just entertain."

Shop Hop was financed by the provincial ministry of consumer and corporate affairs and is the first WEDGE product to be distributed to schools by the B.C. ministry of education (WEDGE materials are usually sold and distributed by the B.C. Teachers' Federation). Every school in the province receives a copy of the game and can order up to 10 more copies if they

wish. The game has also been sent to schools throughout the world, says Prof. Anastasiou.

5,000 copies of the game have already been distributed and Prof. Anastasiou expects that up to 20,000 more copies will be produced for classroom use. His staff is now completing a booklet to accompany Shop Hop which will provide lesson-plan suggestions for teachers using the game.

Prof. Anastasiou feels strongly about the need for universities to produce learning materials. "Universities shouldn't produce just ideas. Education is an applied profession and we should be turning our ideas into materials that people of the community can relate to and benefit from. And Shop Hop is something that people can relate to."

Ideas and financing for booklets and games come from individual agencies which approach WEDGE to produce materials on their particular subject. Prof. Anastasiou, as project director, chooses the topics he feels would be most beneficial to students. Booklets and games produced so far explore such topics as cancer education, forest and mining industries in B.C., population growth and development, biochemical pathways in the human body, local transit systems and earth science.

WEDGE plans 15 new booklets for the fall. Topics to be covered will include Indian music, river estuaries, lakes, Chinese culture and an update on their cancer-education series.



UBC Education professor Kip Anastasiou and Shirley Haines get a lesson in consumer education.

Picture by Leticia Cherny



Many media services available to the University community are illustrated above in drawing prepared for UBC Reports by the graphics division of Space and Audio-Visual Services, which has recently moved into new and spacious quarters in the campus Library Processing Centre on the East Mall.

There are advantages to being a little late

The fact that UBC has been a little late in providing a full range of media services for the University community has been an advantage, according to Rudy Jabelka, who heads UBC's newly expanded and equipped audio-visual services department.

He's quick to point out that the "state of the audio-visual arts" has progressed so rapidly in the last decade that television, audio and photographic equipment purchased ten years ago would now be regarded as obsolete and would have to be replaced.

"The delay in providing a complete range of services," says Mr. Jabelka, "has enabled us to choose equipment that is at the leading edge of the art and which will be durable enough to meet campus needs as far ahead as we can see."

In addition to adding graphic artists and sound and videotaping facilities to the roster of services provided by the department, the University has provided funds to upgrade such traditional services as photography and the repair and maintenance of electronic equipment.

The department is also able to pro-

vide on a loan-out basis every type of slide and film projector, public address systems, tape recorders, record players and videotape recording systems.

One of the problems that delayed the department's expansion was a lack of space. Formerly known as the Instructional Media Centre, the department has been rechristened Space and Audio-Visual Services and has moved from cramped quarters in a former army hut to spacious and modern facilities on the third floor of the Library Processing Centre on the East Mall immediately west of the Woodward Library.

Mr. Jabelka sums it all up when he says: "The move to new quarters, plus the expansion and upgrading of services and facilities, means we're now able to offer a full range of media services to support the entire research and teaching capacity of the University at prices that are considerably lower than those off campus."

Here's a bare-bones listing of the services offered by the various divisions of audio-visual services. For additional information and price lists, call 228-4771.

GRAPHICS. Graphic artists are available to provide services that include technical and mechanical drawings, diagrams, video, slide and film graphics. Creative artwork in black and white and color can be created for overhead transparencies, journal publications, displays and signage. Additional services include mounting, matting, laminating and framing. Call 228-4070.

AUDIO SERVICES. The department boasts a newly equipped, sound-proof, eight-track studio which can record up to 24 inputs at once. High-speed equipment can duplicate recordings and transfer recorded material onto cassettes. Equipment for remote recording of classroom lectures and other events is also available. Call 228-5036.

TELEVISION/FILM. Television or film production is available either on location or in the new studio. In addition to the actual production, the department provides program consultation and scripting services as well as music, narration, sound and special effects and editing. Videotape duplication and film-to-video transfer services are also available. Call 228-5036.

PHOTOGRAPHY. Photographers are available for both location and studio work and are qualified to handle everything from portraiture to research work in black and white and color. They'll also process and print film you take yourself. Also available — graphic copy work, slides and overhead transparencies from existing art work. Call 228-6549.

FILM LIBRARY. This division has a catalogue listing some 1,500 titles on 16 mm film that are kept on the premises. Films can also be ordered from other B.C. universities and colleges, the National Film Board, in fact, from anywhere in Canada and the U.S. Call 228-4400.

EQUIPMENT REPAIR. Technical experts are available to repair all types of electronic items and will supply replacement equipment when needed. Division also designs, installs and services audio-visual, television and public address systems on campus.

A-V LOANOUT. Is prepared to rent on a daily, weekly or monthly basis almost any type of film and slide projector, plus reel-to-reel and cassette tape recorders as well as record players, p.a. systems, screens, microphones and complete videotape recording systems. Call 228-5731.

