Students inspect specimen in the first-floor aquarium room at Shannon Point's Sundquist Lab. A row of radiant heaters in the ceiling between fluorescent lighting fixtures provides warmth, when needed, to persons working at the specimen tanks at the facility near Anacortes. (See additional pictures and story on pages 4 and 5.)
B.C., state lawmakers to meet at Western

The first-ever joint meeting of the legislatures of the state of Washington and the province of British Columbia will be held September 19 through 21 at Western.

The meeting, a symposium on Canadian-American relations, will be held in response to a call by Premier Barrett before the state legislature for mutual cooperation in search of answers to problems common to both governments. Both Premier Barrett and Governor Daniel Evans have issued proclamations endorsing the event.

A series of speakers and conference sessions to be held during the symposium will cover utilization of human and natural resources, including conflicting demands for land use. Problem areas to be discussed will include social welfare and population growth, product-oriented versus people-oriented land use, transportation, recreation, environmental quality and joint management of marine and coastal resources.

A final session on Saturday, September 21, will summarize the future of regional development and cooperation. Premier Barrett and Governor Dan Evans are tentatively scheduled as speakers at the closing session.

Other speakers for the symposium will include authorities from Western, the University of British Columbia, Simon Fraser University and the University of Victoria as well as from governmental agencies on both sides of the border.

According to Dr. Gerard Rutan, director of the Canadian-American studies program at WWSC and director of the symposium, the event is unique in the history of cross-border relations. It is expected that legislators and governmental executives in attendance will benefit from their participation in the sessions and from discussion with their counterparts from across the 49th parallel.

"It is becoming increasingly important to us that Americans understand Canadians and realize Canada is a separate country with its own distinct outlook," Dr. Rutan commented. "Canada is our neighbor, our largest trading partner and our most strongly linked ally.

"For example, we trade more with Canada than with Japan, West Germany and Great Britain combined. "Washingtonians are amazingly unaware of Canadian affairs," he added. "And like it or not, we are going to get more involved with our neighbor to the north."

The fall symposium is being funded through a special appropriation to WWSC from the state legislature and from grants provided by several private foundations. The general public is invited to attend and to observe all sessions in progress.
Thorgrimson will head alumni

At its final meeting of the year, the board of directors of the Alumni Association evaluated the year's activities, discussed the future and elected new members.

Among the year's accomplishments were an expanded admissions advice program and an increasingly active annual giving program. New programs in support of athletics were tried as well.

The operating budget for the next year was adopted, with the very real concern that it will not be adequate to carry out the association's programs. As outgoing president Doug Simpson noted, one of the hazards of doing things well is that you want to do more, and that costs more money.

Bob Thorgrimson, '61, of Seattle, received the gavel and began his year of leadership for the organization. Marilyn Murphy Grindley, '64, was chosen president-elect. Mrs. Grindley is a former high school counselor in the Redmond schools and is currently raising two small children. She has been chairman of the admissions committee and was very active in the association's programs in King County. While at Western she was active in student government and president of her senior class.

Other new officers elected include Doug McCoy, '64, Seattle, as secretary-treasurer; Gary Gerhard, '63, Bothell, executive-at-large No. 1; Ron Banick, '63, Poulsbo, executive-at-large No. 2; and Barbara Heller, '57, Bellingham, executive-at-large No. 3.

The executive committee is in charge of the operations of the association between meetings of the board and represents the geographic dispersion of alumni as well.

Fourteen individuals were elected to three-year terms on the alumni board, again representing the geographic dispersion of alumni. They include:

Dr. Patricia Swenson, Portland; Mrs. Garnet Allen, '47, Vancouver; Bruce Murray, '70, Cheney; Gail O'Grady, '71, Tacoma; Judy Simpson, '61, Issaquah; Jan Dodd, Redmond; John W. Etchison, '67, Olympia; Charles Johnson, '60, Issaquah; Wayne Sparks, '72, Bellingham; Thomas Ward, '73, Bellevue; Nancy Fay, '71, Chehalis; Russ Oberg, '62, Kirkland; William F. Johnston, '71, Mount Vernon; and William Chatas, '64, Bellevue.

As programs become solidified, Resume will carry more news about them. Most will provide opportunities for alumni who do not wish to be members of the board, but who want to do something for the College, to get involved.

Tech chairman takes leave

Dr. Sam Porter, chairman of the Department of Technology at Western for the past eight years, left with his family July 28 for Kuala Lumpur, capital city of the Federated States of Malaysia.

Dr. Porter will serve as coordinator of Peace Corps volunteers who are teaching vocational-technical subjects in Malaysia's new technical schools.

Accompanying Dr. Porter will be his wife Joyce and their three children: Susan (11), John (16) and David (19). David is a VICOED major at Western. The Porters will go to Washington, D.C., for a one-month orientation program before traveling on to Kuala Lumpur.

Services held for Patrick Monahan

Memorial services for Patrick L. Monahan, 19-year-old son of Dr. and Mrs. Robert Monahan, were held last month at Bellingham's First Presbyterian Church. Young Monahan, who would have been entering his sophomore year at the University of Washington, died from injuries received in an auto accident north of Bellingham July 21. Dr. Monahan is acting dean of the College of Arts and Sciences at Western.

Besides his parents, the youth is survived by two sisters, Laurie, at home, and Lynn Leach of Vanderberg AFB in California; and the maternal grandparents, Mr. and Mrs. Paul Kleist of Rolling Bay, Washington.

Contributions may be made to the Patrick Monahan Scholarship Fund at Western through the WWSC Foundation.

Alumni fund shows rise

With the close of the fiscal year on June 30, the alumni fund of the Western Washington State College Foundation showed its highest-yet amount—$10,033.70. This amount was contributed by 701 alumni.

During the previous fiscal year, the alumni fund reached a total of $10,002.07, received from 832 alumni. While the increased generosity of those who supported the drive is most gratifying, it is also disturbing that the number of donors declined. According to alumni relations office staff, the reason lies in some bad weather that prevented the annual Whatcom County phon-a-thon from taking place as scheduled. Normally, several hundred additional pledges are received during this two-evening effort.

Phon-a-thons were conducted this year in King County, coordinated by alumni board member Jim Maxwell, and in Olympia, coordinated by Dennis Cooper. Next year's plans call for phon-a-thons to be conducted in Seattle, Tacoma, Everett, Olympia and Bellingham.

“Christmas in Mexico”

December 16 to 30

Director—Ruth Kelsey, associate professor of art (emeritus)

Cost—$625 public occupancy (single occupancy, $64 additional)

Includes:

- Air fare round trip to Mexico City via Guadalajara
- Transfers from airport to hotels and return
- First class hotels
- Specified meals
- Specified sightseeing
- English-speaking guide

Deposit of $100 to reserve space; balance to be paid by October 15, 1974. Cancellation with refund to October 1, 1974.
Classes are currently under way at Leona M. Sundquist Marine Laboratory, a $355,000 facility completed last spring at Shannon Point, near Anacortes. The new lab is dedicated to marine studies and research at the undergraduate level and will be used by students from all four state colleges plus Skagit Valley College and Edmonds and Everett community colleges.

Sundquist Lab is administered through the aquatic studies program of WWSC.

Isolated from view on a wooded, 71-acre site, the three-story building contains classrooms and laboratories on the first floor, with administrative offices and additional laboratory space above. A sloping site permits ground level access to the first floor and the ground floor beneath it.

Most activity in the building will take place on the first floor, which contains two large teaching laboratories. In each of these rooms are work tables which serve as students' offices during the time they are on the premises.

'Tide Table' Important

According to Dr. William Summers, director of Sundquist Lab, class hours are not as formally organized at Shannon Point as they are on the main WWSC campus. “The tide table, rather than the clock, is more apt to determine when a student is in the lab and when he is out in the field,” he explained.

Getting used to operating according to tide and weather instead of time of day is a factor in orienting students during their lab residence, Dr. Summers said.

Between the two first-floor labs is an instrument storage area and a small room in which light- and temperature-controlled experiments can take place. Outside, running the full length of the side of the building facing Puget Sound, is an aquarium room containing rows of “sea tanks” in which living specimens can be stored, sorted or maintained.

Salt water is supplied to these aquaria through two separate supply systems. A drain line returns sea water to the Sound.

The two supply lines, complete with pumps, are required so that one line can be shut down at all times to inhibit the growth of organisms which, if left alone, would soon clog the system. The second system also acts as a standby in case trouble develops with one of the pumps or other equipment.

In addition to instructional and research work, the lab also monitors water quality. All water coming in and returning to the Sound is checked daily for temperature, turbidity, amount of settleable solids contained, pH, salinity and oxygen demand.
Exterior finish at Sundquist Laboratory (top) is giant brick with a cedar shake roof. The building has no chimney; an electrical heating system eliminates emissions into the air. In teaching labs (bottom), each student is assigned to a movable work table which becomes a base of operations. Electrical power is available along the exterior walls and from outlets suspended from the ceiling in the center of the room.

Intakes Near Shore

Intakes for the salt water supply are located a few feet from shore, accessible at low tides in case repairs are needed. All salt water supply and drain lines are located outside the main laboratory portion of the building to reduce noise and problems connected with salt water spills which, despite all care, are apt to occur.

Since the salt water area is outside the main building, it can be kept at the temperature of the outside air or at the temperature of the water in the Sound, usually around 55 degrees. In the winter time this area can become quite cold, so radiant heaters are installed in the ceiling, permitting the center aisle between tanks to be warmed for the benefit of researchers, without affecting the temperature of the tanks, the salt water or the organisms contained therein.

A similar aquarium is located on the second floor, accessible from laboratory-offices of students and faculty members who occupy that level. At the present time, the only permanent personnel are Dr. Summers, staff technician George Garlick and a resident caretaker.

Others Commute

Other faculty members commute from the WWSC campus, as do the students in attendance, and from other consortium member campuses. Eventually it is hoped that a residence facility will be built so that students can spend a quarter at a time at the lab.

A small laboratory area is available on the second floor for use in special projects, evening courses and the like.

On the ground floor, in addition to a 50-student lecture room, there are showers and two storage areas, one for mechanical and custodial equipment and the other for inflatable boats, nets and other large equipment used at the lab. The latter room and an adjacent shop area where equipment can be made or repaired are each equipped with large doors to permit movement of bulky and heavy items.

Sundquist Marine Laboratory is named in honor of Leona M. Sundquist, professor emeritus of biology at Western, who was, for a number of years, chairman of the Science Department at the College. The facility complements graduate-level research facilities operated by the University of Washington at Friday Harbor on San Juan Island.
State grant will aid Viking II development

Western Washington State College has received $27,978 from the state's Legislative Transportation Committee to promote construction and development of an experimental economy car. Designed and being built by students in the Technology Department, the vehicle, designated Viking II, will attempt to travel 50 miles on a gallon of propane while traveling at 70 miles per hour.

Funding for the development project was obtained with help from Dan Van Dyk of Lynden, state representative from the 42nd district.

The new car is being built as the result of a challenge by Western, issued to the University of California at Los Angeles and other schools, to compete in an economy run from Blaine to the Mexican border in the summer of 1975. In making the grant, the Transportation Committee stated that in light of the energy crisis and environmental problems attendant upon the use of automobiles, it is necessary to "encourage research and development of alternative or refined means of transportation to further the objective of fuel economy and pollution control."

62-H.P. Engine

The car, powered by a 1,100-cc, 62-h.p. Subaru engine, is already beginning to take shape in the Technology Department shops. Besides being a fuel miser, the two-place auto is slated to meet all federal exhaust emissions requirements.

Propane will be used as fuel for the vehicle because it tends to produce fewer of the heavy hydrocarbons that contribute to the pollution problem, according to Dr. Michael Seal, faculty adviser for the Viking II project. A thermal reactor and a catalytic muffler will be incorporated in the exhaust system to further reduce undesirable emissions.

Aerodynamics is also a major factor in the design of the new economy car. The body will have a streamlined shape and care is being taken to minimize the effect of air intakes and projections on the body surface. Pop-up headlights help reduce daytime drag.

"Aerodynamic drag is the largest single factor determining the top speed of an automobile," explained Dr. Seal. "Above 50 m.p.h., more power is consumed by wind resistance alone than all other factors combined."

Safety Concern

Another major concern in the design of Viking II is safety. Proper bumper height will play an important part in body design. Side beams will be high to absorb side impacts.

The chassis is being made of aluminum honeycomb material faced with glass-fiber-reinforced plastic. The ability of this material to absorb impact energy is, pound for pound, greater than than of steel.

The body is of semi-monocoque construction—that is, framing members and body panels are integrated to form a rigid, lightweight structure similar in concept to aircraft design.

The car will have a low center of gravity, provided in part by low mounting of the opposed-four-cylinder engine. It will have a low (42 inches) overall height, with a 90-inch wheelbase and 5-foot width. Windows will be made of abcite seventy, a nearly unbreakable plastic.

Water activity at the school's property at Lakewood on Lake Whatcom was a popular pastime for summer session students.

The chassis of Viking II, Western's new economy car, stands on display in Bond Hall. The tubular framework is stiffened with panels composed of aluminum honeycomb material sandwiched between panels of fiberglass, forming a strong, yet lightweight structure.
Letters

PRAISES MISS CUMMINS

Editor, Resume:

I just received and read the June issue of Resume. The cover provides a photograph of the new Arntzen Hall—a beautiful structure named for the late Edward J. Arntzen. On page 3 there is a routine story on the death of Nora B. Cummins. Those two people, with the late Thomas F. Hunt, were the social studies department at the time we who graduated in the Golden Anniversary Year (1949) arrived on campus. Each was remarkable. Each served long and well. Miss Cummins, with poor eyesight, pored over the New York Times with scissors in hand. Within her mind and heart was a passion—the United Nations. Today the UN is commonplace. For Miss Cummins it was a dream she helped press into reality. During her classes on European history, the UN was always a timely topic. Her devotion to the UN seemed to some to border on eccentricity, but as time has passed it becomes apparent that this lady had an insight few recognized.

The recollection is still vivid of Nora B. Cummins affixing reading glasses to her regular glasses so as to be able to read a pertinent passage from Hayes’ A Political and Cultural History of Modern Europe. Today the eccentricities provoke fond memories and the association, tempered by time, is warm and pleasant. Her passing is mourned by many, perhaps none among students more than those who worked with her in the International Relations Club.

—John N. Terrey
Deputy Director
State Board for Community College Education

PRITCHARD BOOK

Editor, Resume:

We just read the article in Resume written by Ralph Munro honoring Mrs. Pritchard. We enjoyed the article, especially my husband who previously lived at Highland Hall.

I have been trying to purchase her book Rocks in the Washer and Candy Canes Too but have been unsuccessful in finding it. Could you please let me know where I can purchase it and the cost of it. Or could you please forward this letter on to Ralph Munro if you are unable to furnish this information and perhaps he can.

—Mrs. Jack Robertson
Portland, Oregon

Liquor law change shows little initial interest

A recent policy change by the State Liquor Control Board that would allow state colleges and one university to apply for licenses to sell and consume liquor on campus has been greeted with little initial interest at Western. In making the change, the board reversed a long-standing rule that grew from an early Washington law.

When the Washington State Legislature met in 1895 it passed a bill currently cited as RCW 66.44.190, which says, “It shall be unlawful to sell any intoxicating liquors, with or without license on the grounds of the University of Washington, otherwise known and described as follows: Fractional section 16, township 25 north, range 4 east of the Willamette Meridian.” Since then the State Liquor Control Board used this law as a guideline for prohibiting service or consumption of liquor on any college campus. The change in the board’s policy is intended to bring it into conformity with state law, which has been interpreted by the supreme court to apply to the University of Washington only.

The impetus for the change came from Central Washington State College, where the institution had been denied a banquet permit in keeping with the board’s previous policy. An appeal to the state board led to the change.

According to LeRoy M. Hittle, liquor control board member, the new rule means that a college application for any type of license will be reviewed in the same fashion as any other application would be. There is a provision that any applications from a state college or university must be approved in writing by the president or the dean of students.

In commenting on the rule change, Dr. Michael Barnhart, executive assistant to the president, stated, “We have been informed that the State Liquor Control Board will write regulations pertinent to the new ruling. Thus, until such regulations are available we will not know if the new ruling applies to a banquet permit or in broader application. Further, Western’s Board of Trustees will have to approve of licensing applications.”

In the Viking Union, too, the response has been muted. Barry Bonifas, program coordinator, says, “There hasn’t been much interest on campus during the past several years in establishing a pub. There’s no way of knowing what the future will bring, but, for right now, there’s nothing.”

‘Western at 75’

Western at 75, a new history of the College by Dr. Arthur C. Hicks, is now available through the WWSC Student Co-op Bookstore. The book contains some 100 photographs, some never before published, of the campus and people who played an important role in the development of the College. This history benefits from Dr. Hicks’ 30-plus years at Western and should provide interesting reading for anyone who has ever been associated with the College.

A limited number of copies have been printed in paperback form and are available at $3 each from the Student Co-op Bookstore, WWSC, Bellingham, WA 98225.

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Name

Address

City State Zip

Enclosed is my check of ________ for ________ copies of Western at 75 by Arthur C. Hicks ($3.00 per copy).

Please print; this is your mailing label.
ROLL CALL

'27 MAURINE VANDER GRIEND retired from the California State Department of Education, Bureau of Homemaking Education, in December, 1972, and is now teaching a course in homemaking economics education at California State University, Fresno.

'28 ADRIANA VANDER GRIEND BEHRMAN retired from the Monterey Peninsula Unified School District as Director of Food Services in October 1973.

'36 IRENE HAYTON, Mount Vernon elementary school teacher, is retiring after 30 years of teaching.

'51 LE ROY LUND has been named principal of Centralia Junior High School.

'55 REY SUNDAL teaches high school science at Everett . . . MAURICE HALLECK teaches high school physical education and coaches varsity basketball in Santa Barbara.

'57 ROBERT DUVALL teaches elementary and junior high school music in Bellevue . . . GARY KOHLWES is superintendent of schools in Renton . . . DONALD ROGERS is principal of Bremerton High School . . . KEN BALE is assistant administrator of the Employment Security Department Agency for Pacific County in Raymond.

'58 GERALD HEDLUND, an anthropology instructor at Green River Community College, has been named outstanding educator of America for 1974.

'59 AL LYNCH has been appointed special education coordinator/consultant for an intermediate school district in Olympia.

'62 DONALD L. MARTIN is an history instructor at Kent State University.

'65 SHELLY THIEL, a teacher at Enumclaw, was selected as one of two coaches for the Washington Cultural Exchange Program wrestling team which toured Japan in late July and early August.

'66 GLENN BORDNER is employed by Puget Sound Power and Light Co., and is doing volunteer work with the Skagit County Juvenile Probation Department . . . GLENN YAMADA is manager of the Broadway (Seattle) branch of Seattle-First National Bank.

'67 JAMES SWANSON is the manager of Georgia-Pacific Corporation’s phenol-formaldehyde synthetic resins plant in Columbus, Ohio . . . DALE FRANSSON has completed his Ph.D. in educational systems analysis at Florida State University . . . USAF Captain ROBERT L. CONRAD is a space surveillance officer stationed in Italy.

'68 Mr. and Mrs. WILLIAM GANSBERG (JUDITH GASCHK, '70) are living in Starbuck (Columbia County) where he is a state park ranger at Palouse State Falls Park.

'69 Navy Lieutenant (junior grade) RICHARD LITTKE was awarded the Navy Commendation Medal while serving with a helicopter anti-submarine squadron . . . BOB KNIPE is doing graduate work in instruction technology at Indiana University.

'71 JULIE SARIN and Bert Ostergren were married and are living in Portland where she is a secretary for the Metropolitan Learning Center . . . KATHRYN WOODCOCK is employed as an auditor for the Department of Health, Education and Welfare in a region that includes Alaska, Washington, Oregon and Idaho . . . FRED WILLENBROCK is a news intern with the Northshore Citizen in Bothell . . . Anita Bocchi and MICHAEL PAGE were married in December and are living in Seattle . . . Navy Ensign RONALD LITZENBERGER is a naval aviator and has received his “Wings of Gold” at Kingsville, Texas . . . Army Second Lieutenant LINDELL DARNELL completed the office rotary wing aviator course and received the silver wings of an Army aviator at Fort Rucker, Alabama.

'72 Mr. and Mrs. LARRY LARSHUS (ELIZABETH GANSBERG, '70) are living in Bellingham where he teaches young mentally retarded adults . . . Navy Seaman DAVID ZANDER graduated from recruit training at San Diego . . . BART WACHTER and PATRICIA WOOD ('73) were married in June and are living in Fairbanks where he teaches industrial arts and she is an elementary and secondary substitute teacher . . . SHELDONA GREER has completed Peace Corps training for Micronesia where she will serve for two years as an education volunteer . . . KATI EDDY and William Bish were married in December in Bellingham . . . Kathleen Rasmussen and GORDON BOWMAN were married recently in Lacey. They are living in Olympia.

'73 PATRICIA CHRISTY and Paul HARRIS were married in December in Bellingham and are living in Chehalis . . . Mr. and Mrs. STEVEN HOVDE (JANIS PROUTY, '72) are living in The Dalles, Ore., where he is employed as a chemist . . . DONALD WEAKLY teaches fifth grade at Moses Lake . . . MARY TURNER and CLIFFORD TUBBESING were married recently in Renton . . . Julie Tangen and COLIN BRONEMANN were married in Seattle recently . . . Karen Sherrard and JAMES DIEDRICK were married in December in Issaquah. They are living in Mercer Island . . . JOAN PILKEY and LARRY LEE were married recently and are living in Seattle. . . . Sharon VanSinderen and DAVID “BARRY” LYON were married January 5 in Bellingham and are living in British Columbia where he teaches and coaches . . . ART BLAUVELDT and LINDA SPICER were married in June and are living in Bellingham. He will be attending the University of Puget Sound Law School in the fall.

Unclassified

LINDA BALLINGER and DONALD DIELBERT were married in February in Bellingham . . . JASON and Roger Hots, Jr. were married in Edmonds recently. She teaches school in Marysville . . . GLADYS FLAHERTY has completed Peace Corps training for Ecuador where she will serve for two years as an education volunteer . . . DOROTHY GIANNOBILE, a business education teacher in Summer, was recently elected secretary of the Western Washington Business Educators Association . . . ERNEST S. GRAHAM, associate professor of psychology at the University of Puget Sound, has been awarded a grant to intern at the University of Washington in the Department of Rehabilitation Medicine . . . ROBERT LONG is a recreation leader with the West Seattle area Seattle Park Department Recreation Centers . . . GERI GUSTIN is employed by the Skagit Valley Herald in Mount Vernon . . . PHIL LUCAS has been named by the United Indians of All Tribes Foundation as program coordinator for the Indian Cultural Educational Center at Fort Lawton . . . LEZA MADSSEN is reference librarian at the Bothell Library . . . WILLIAM FRANK is assistant manager of a branch of Bellingham National Bank . . . MAUD FLANNERY is the 1974 recipient of the DeSmet Medal, Gonzaga University’s highest award . . . BETH RICHARDSON and Monty La June were married in December and are living in Oak Harbor . . . ROBERT SPARKS is principal of Bethel High School in Tacoma . . . CAROLE STRAITH and John Sobolewski were married in April in Seattle . . . VIVIAN STERLING is a retired teacher who has had a junior high school named after her in the Wenatchee area.