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Design center project aids ranger station

Glacier Ranger Station at the entrance to Mt. Baker National Forest will have a more attractive and efficient visitor reception area this summer, thanks to design assistance provided by two students from Western. The students redesigned the area and presented the ranger station with their drawings as a project of Western Design Center, a community-service activity begun in 1970.

Patricia Claus of Bellingham, a senior majoring in technology, and Mrs. Patricia Thompson of Mount Vernon, a senior art major, designed the renovated area following discussions with personnel at Glacier to determine how the visitor information center might best be altered to serve their needs.

As the result of their efforts, a partition has been installed which screens office and work areas from view by visitors. The partition, a paneled wall, adds to the attractiveness of the visitor center; its reverse side provides space for a bulletin board for the work area.

According to Mrs. Alice Ginter, district clerk at the Glacier station, another objective of the project was to redirect traffic in an orderly flow so that visitors can obtain information they seek with the least amount of confusion. As many as 100 people per day visit the facility during the summer vacation season from Memorial Day to Labor Day.

The students reorganized the information area on a self-service basis so that tourists, campers, hikers and others can easily find for themselves pamphlets, maps and other materials concerning activities in which they are interested. The self-service feature will reduce the number of people who ask direct questions of the receptionist at the station, permitting her to spend more time with persons whose questions require a more detailed reply.

Overhead lighting in the receptionist's work area has been improved. Display space and literature racks have been enlarged and rearranged to make them more easily accessible. The overall effect is a brighter, more open and inviting appearance.

Thompson and Claus worked on the project during winter quarter and approached the design problems independently. Their two solutions were quite similar, but offered the Forest Service an opportunity to select the more desirable aspects from each.

Carpenters and electricians have completed the specified alterations and the Forest Service staff is pleased with the results.

The students' work was coordinated by Western Design Center, a college agency which seeks community problems which can be solved through design techniques. Director of the (Continued on page 2)
Design center project
(Continued from page 1)

Center is Marvin Southcott, associate professor of technology.

Students who work under the aegis of the Center are majors in technology, home economics, art or related fields, who are interested in careers as interior decorators, industrial designers or the like. They receive academic credit for their community-service activities, which substitute for laboratory work.

"Dealing with community gives the students practical experience they would not receive in a classroom situation," Southcott said. "It also provides the incentive of tackling a real problem, with the possibility of actually seeing design recommendations put into effect."

In addition, the community receives the benefit of the Center's free design consultation service.

The Forest Service is putting the Center's expertise to good use. Steven Plancis, a technology major from Bellingham, has built a model of a structure to protect a slice from a 1,335-year-old Douglas fir log which is on display at the Glacier station. The nine-foot-diameter log is at present exposed to the weather and is starting to deteriorate.

Carol Ockinga, a home economics senior from Tacoma, redesigned houses for National Forest Service employees, improving storage space and specifying paint colors.

The success of the Glacier reception area project has led the Forest Service to request a similar renovation at the Baker River station, according to James Merritt, information and education specialist at the Mt. Baker National Forest headquarters in Bellingham. Pat Thompson is beginning work on that project and will soon tackle the Bellingham office.

"We want this office to be distinctive, so that people will know that we are the Forest Service as soon as they open the door," Merritt said.

Pat Claus is working on a sketch for a poster on logging methods for use by public school teachers and may later design a Forest Service booth for this year's fair at Lynden.

"These community-service projects offer opportunities for a great deal of mutual benefit," Merritt continued. "Students get a chance to work on real projects and we gain by getting things done that would otherwise not be done as well, if at all."

According to Southcott, Western Design Center is continually searching for community service projects in which students can become involved. Specifically, these projects should be sponsored by volunteer, community service or government agencies for use by or related to the public. Anyone wishing to discuss such projects is invited to contact Southcott at the WWSC technology department.
Huxley grad in Peace Corps

In the Philippines, fish is a popular and inexpensive source of protein in the diet of a population growing at one of the fastest rates in the world. But even though the nation of 7,100 islands is located in a fertile fishing belt in the Pacific Ocean, the domestic fishing industry does not produce enough fish to go around.

Accordingly, the Philippines Bureau of Fisheries is striving for self-sufficiency in fish production so that the country can stop importing up to a fourth of its annual consumption. Playing a key role in this drive is a young Spokane woman with a degree in marine ecology who is serving in the Philippines as a Peace Corps volunteer.

She is Barbara Ann Powell, daughter of Mr. and Mrs. David G. Powell of Spokane, and a 1972 graduate of Huxley College of Environmental Studies at Western.

Barbara Ann Powell

Miss Powell, 23, is studying ways to improve and increase fingerling production at a demonstration fish farm run by the Bureau of Fisheries in the tropical community of Iloilo City. She also spends part of her time in fisheries extension work, providing technical assistance in the construction, layout, operation and maintenance of commercial fishponds in and near Iloilo City.

Miss Powell came to the Philippines in August, 1972, and began her volunteer assignment several months later after intensive Peace Corps training in the language and culture of the country and special technical courses in brackish water fishpond production.

Both the West Visayas Demonstration Fish Farm where Miss Powell works and the commercial fishponds in her area grow bangos, or milkfish, a hardy, durable species of mild-tasting fish widely sold in the Philippines.

The demonstration farm's specific job is to raise bangos from the fry to the fingerling stage and make them available to local fish farmers.

"The purpose of the demonstration farm is to demonstrate proper techniques and give out proper technical advice as to fish production," Miss Powell explained. "Fry are not always available, so we buy fry, raise them to fingerling stage, stunt their growth and sell them to fish farms when they cannot get their own fry.

"We also advise a lot of farmers in fishpond areas as to the best size for ponds, pond layout, and dike and gate construction. We try to give the farmer an idea of what his potential is."

The demonstration farm, which comprises about 20 acres, has provided Miss Powell with two ponds of her own for research and experiments. She is using the ponds for research on plankton and the use of fertilizers to produce high-quality natural plant growth in the ponds as fish food.

Miss Powell also tentatively plans to assist in an inland fisheries research project developed by the University of the Philippines. The project, to be conducted at both freshwater and brackish water research ponds, will look for ways to increase fish production and decrease production costs so that more fish products can be made available to the expanding Filipino population.

Miss Powell is one of 30 Peace Corps volunteers, all with academic or practical backgrounds in fisheries, working to refine fish production practices and insure that they reach the country's private fishpond owners.

She says she decided to join the Peace Corps after hearing a returned volunteer discuss service opportunities in environmental programs at a college seminar.

"I really wanted to use what I had learned," she said. "I think it's important."

Although women are a minority in the fisheries field, Miss Powell said she had not encountered any problems because of her sex.

"I haven't found any real discrimination regarding people listening to a woman," she said. "As long as she knows what she's talking about, it's no problem."

Huxley wins NSF award

Huxley College of Environmental Studies has received an award of $10,650 from the National Science Foundation (NSF), to be used in development of environmental impact statement guidelines for private land developments. The three-month summer project was scheduled to begin June 16.

Under the program, a group of eight students from various colleges and universities is charged with developing criteria for assessing environmental impact and devising techniques for forecasting the environmental impact of future developments. Sudden Valley, a recreational land development in Whatcom County, will be used as one of the models for the study.

The project was formulated by three Huxley College students; George Flawn, a senior from Vancouver, Wash., Arlene Ruoisch, a senior from Edmonds and Dan Smith, a senior from Federal Way.

Flawn will be student project director; Dr. James R. Newman, assistant professor at Huxley, is faculty adviser for the group.

Franza honored

The Bellingham Quarterly Club named Mike Franza "Athlete-of-the-Year" at the WWSC basketball banquet held recently.

Franza, the first Western eager to be named NAIA All-America, also received the captain's award as voted by Viking team members. Tom Mount received the Darigold Sportsmanship Award, and the Inspirational trophy went to Jim Dudley.
Under the baton of Western's Jerome Glass, the Seattle Philharmonic Orchestra has gained national recognition. Here's why.

By RAY HELLER
Director, Public Information

During the past five years, the Seattle Philharmonic Orchestra has developed into one of the foremost community orchestras in the nation. Members of the musical organization believe their success is due primarily to the efforts of Jerome Glass, conductor.

Glass, an associate professor of music at Western, travels some 200 miles and spends from six to as many as twenty hours in preparation for each weekly rehearsal with the Seattle civic group. Last year, his efforts were rewarded when the orchestra received national recognition from the American Symphony Orchestra League in competition with some 300 similar groups from across the country.

Personal satisfaction in doing a job well is Glass' reason for leaving Bellingham each Wednesday evening from 5:30 until midnight.

"But much of my gratification stems from the dedication and commitment of the people in the orchestra," he was quick to point out. "It's exciting to work with people whose capacity for retention permits me to put so much intensity into each rehearsal."

Few of the members of Seattle's oldest community orchestra are professional musicians. They come from all walks of life; most of them live in the Everett-Seattle-Tacoma metropolitan area. For most of them, the Philharmonic provides the opportunity to continue playing music they love after leaving school.

"It provides an outlet for creative expression which would otherwise not be possible for people who do not pursue careers as professional musicians," said Fred Strom, president of the musical association.

Strom is one of several music teachers who, as members of the orchestra, find an opportunity to perform which they do not always have in their day-to-day jobs. He is a 1958 graduate of WWSC with a degree in music and teaches orchestra at Cascade Junior High School in Auburn.

Other members are from a broad cross-section of the community, including doctors, dentists, lawyers, an FBI agent, housewives, and a freelance photographer. They come from as far away as Guemes Island in San Juan County. One bass player hauls her viol from Bellingham each week.

"We are a greatly improved orchestra since he began working with us," Strom, a nine-year veteran of the organization, said in reference to Glass.

The board of trustees of the Philharmonic association began looking for a new conductor in 1968 after their previous mentor retired. They received...
inquiries from across the United States. Interviews narrowed the selection down to eight finalists, from whom Glass was selected.

Since taking over musical leadership of the group, Glass has established rigid rehearsal schedules and has demanded the best from each of his performers. The orchestra has improved, and as it improved, has attracted better players. It now has some of the best performers in the region.

"And now we have an orchestra," stated Strom.

Building one of the best non-professional orchestras in the Northwest has taken effort on the part of the conductor. He disciplines himself, planning each movement of his direction as well as each movement to be made by the bows of the violinists. Notes are made at the rehearsal which he will study during the week in a constant search for better mechanical means of eliciting the desired response from the orchestra.

Each of the 135 minutes of rehearsal is planned and material to be covered is timed so that he can get the most out of each evening in Seattle. A clock on his music stand permits him to properly pace each rehearsal activity.

If, for example, a weak spot is 23 measures long, Glass knows that at the tempo he is conducting it will take 33 seconds to perform. He can then determine how much time to spend working with the orchestra on that passage.

Glass also selects the music that the orchestra will play. He tries to present a balanced program from romantic and contemporary composers who have written scores for full orchestra. The full orchestra is used to the greatest extent possible so that all members can play.

"The members pay to play, so all of them want to participate," Strom said.

In order to become a member, a musician must pass a competitive audition held each fall. Once accepted, members pay dues of $5 per month for the privilege of being a part of the orchestra. Students pay $1 per month. Most of the money goes for rental of music, although Glass is paid $1,500 per year plus some expenses.

In addition to dues, the orchestra receives $750 per year from the Music Performance Trust Fund, a public-service organization financed by the recording industry. Last year, the Philharmonic was one of five orchestras in the nation to receive $200 from the American Society of Composers, Authors and Publishers for its presentation of music by contemporary composers.

The concert season runs from September to May; the 1972-73 season closed with a concert at Seattle's Civic Center Playhouse on May 17. During the nine-month period, the orchestra presents seven or eight concerts of three or four selections each, all over the Puget Sound area.

During the summer months, Glass takes a break from the weekly—and sometimes, just prior to concerts, twice weekly—trips to Seattle. His work with the Philharmonic goes on, however, he uses the time to consider and select music and to set the concert schedules for next season's performances.
Campus glassblower is jack-of-all-trades

"My job title is 'science technician,' but I actually do a little bit of everything, from taking inventory in the chemistry stockroom to bandaging cut fingers," says Ruth Schoonover. Among other things, Ruth runs the glassworking shop in Western's chemistry department, where she constructs and repairs glassware for teaching and research projects.

Ruth Friend Schoonover graduated from Western with a degree in chemistry in 1961, and in 1966 she earned her B.A. in education. She started working as Western's glassblower about five and a half years ago, and in 1971 she completed her master's degree in chemistry. She did her graduate work while employed full time in the chemistry department, which she says wasn't easy. "It's a good thing I have an understanding husband, because I spent a lot of evenings away from home," she said.

Her introduction to the glassworking trade was the basic course for chemistry students at Western, which she enjoyed when she took it as an undergraduate.

Fairhaven 'upside-down' major

Availability of an "upside-down" major for graduates of professional programs at community colleges has been announced by Fairhaven College, a cluster college of Western. The new proposal would permit students enrolled in terminal two-year technical programs to continue their education toward a bachelor's degree.

Under the new program, technical work completed in an associate of arts program may be considered as a major, with students allowed to take classes fulfilling the general education requirements for a bachelor's degree during their junior and senior years. This is the upside-down feature of the proposal, according to Dr. Kenneth Freeman, dean of Fairhaven College. General education requirements are usually freshman and sophomore courses.

"I know of no empirical evidence that the usual methods of taking general education first and specialization second is educationally necessary," Dean Freeman said.

Freeman believes that students completing professional associate of arts degrees often decide at the conclusion of the program that they wish to continue their education. Many community college programs, however, do not lead toward work at a four-year institution.

Fairhaven offers the flexibility in scheduling and the availability of academic counseling which permits structuring general educational requirements to fit each individual student. Each applicant under this program will receive individual consideration.

For this program, the cluster college is looking for students who have a strong professional associate of arts degree coupled with a desire to continue learning and to fit their professional studies into the larger questions and problems of life. The college is also looking for students who respond positively to the style of independent learning encouraged by Fairhaven.

Interested persons should write the Admissions Office, Fairhaven College, Bellingham, Wash. 98225. Letters of interest should indicate the kind of program in which the student is currently enrolled.

Skeen fund

A "Friends of Bearnice Skeen" fund has been established in honor of the WWSC educator who retired last August. The fund has been set up as a lasting tribute to Dr. Skeen's contribution to elementary education, a spokesman for the fund committee said.

Contributions have come from former students and friends all over the state and nation, the committee reports, making it possible to purchase films, books and materials in the areas of elementary education and interpersonal relationships. All materials will be available for use by teachers in the public schools.

One of the first special ideas that the Committee for the Friends of Bearnice Skeen chose to do was to offer membership subscriptions to school faculties interested in becoming acquainted with the Elementary-Kindergarten-Nursery-Educators (EKNE) publications.

Applicants receiving the membership subscriptions to EKNE publications submitted a written statement/plan as to how the faculty member planned to communicate or expose the school faculty to the value and usefulness of these educational materials.

Persons interested in information concerning the program should contact Dr. Roberta Bouverat of the department of education at Western.
Viking I scores in rally

Three technology students from Western have returned to campus bearing a second-place trophy from a California Reduced-Emissions Devices Rally in which their urban car was entered. The car, designed and built by students, competed against seven production cars from Oregon and California which had been outfitted with low-emissions devices.

Western’s auto, which last summer won third place in a national design contest in Detroit, originally entered this year’s rally in a special unrestricted classification for experimental vehicles. According to Gerald Usher, student team captain, however, other experimental vehicles entered failed to show up, so the unrestricted classification was eliminated and the experimental vehicles entered failed to show up, so the unrestricted classification for experimental vehicles.

Viking I is powered by a 1,900 cc. Toyota engine which has been converted by the technology students to burn propane, a fuel which produces a relatively low level of undesirable emissions. An exhaust gas recirculation system recycles emissions into the combustion chamber, increasing combustion efficiency and further reducing emissions.

Since last summer’s competition in Detroit, the car has been outfitted with a catalytic converter which purifies remaining exhaust gases through reaction with a platinum-impregnated ceramic honeycomb. The platinum speeds a chemical process which turns carbon monoxide and unburned hydrocarbons into harmless water vapor and carbon dioxide.

Legislature cites urban car

During the recent session of the Washington state legislature, the House of Representatives passed House Resolution No. 73-25 congratulating the students and faculty members of the department of technology at Western Washington State College for their efforts in the development of an urban vehicle.

The resolution, presented to the college board of trustees, cited the department’s design and construction of a vehicle of the future, “...incorporating innovative methods of conserving our endangered energy supplies, reducing air pollution and reducing the present tragic automobile accident toll.”

The WWSC urban car was on display in the rotunda of the Washington State capitol building in Olympia during a winter quarter Alumni Association board meeting and visitation with state legislators.

Fairhaven plan

High school juniors and seniors who wish to explore the possibilities of learning in a relatively unstructured environment are invited to participate in A Fairhaven Summer II from June 18 through July 20, sponsored by Fairhaven College.

The five-week session is designed to allow high school students to experience the transition to a minimally structured learning situation at the college level and determine their ability to create their own order out of non-order. Students will be able to explore and develop their capacity for true independent study and evaluate their reaction to a different environment with different responsibilities away from home and neighborhood.

Profs chosen

Five professors at Western have been chosen Outstanding Educators of America for 1973 on the basis of their professional and civic achievements.

They are Dr. James Albers, associate professor at Huxley College of Environmental Studies; Americole Blasini, associate professor of music; Dr. Robert Monahan, associate dean of the College of Arts and Sciences; Dr. Alden Nickelson, associate professor of education and biology; and Dr. June Ross, professor of biology.
Front, staff win honors from critique

The Western Front, student paper at Western, has been given All-American rating by the Associated Collegiate Press critique service operated by the University of Minnesota school of journalism. The rating covered the first half of the academic year, when the paper was edited by Steve Johnston of Blaine and Jack Broom of Seattle.

Johnston, who worked as a reporter on The Bellingham Herald before his appointment as Western Front editor fall quarter, graduated in December and was hired to edit the Molalla Pioneer in Molalla, Ore.

Broom, who had served as managing editor fall quarter, was named winter editor to succeed Johnston. He is one of four journalism students in the state chosen for summer internships at the Seattle Times.

The ACP national critical service evaluated more than 3,200 school publications during the past year. It gave the Western Front top ratings for content and coverage, writing and editing, editorial leadership and photography.

Only a few weeks earlier, staff members of the paper and of the student magazine Klipsun won nine awards out of 12 for news photography, editorial writing, non-fiction magazine writing and best all-round student magazine in regional collegiate competition sponsored by the professional journalism society SDX.

'54 EUGENE H. CARSON has been named superintendent of the Snohomish School District.

'57 GERALD HESTER will become Vancouver, Wash., school superintendent July 1.

'58 DONALD STONE is teaching junior high school in Cupertino, Calif. . . . PAUL LILLENESS received a Fulbright grant and is teaching in London . . . SHIRLEY MATSON is employed on EEA funds by the Warden School District.

'60 MARY ERICKSON teaches girls' track and tennis at Centralia High School.

'61 DONNA THOMPSON is working on her Ph.D. in physical education at Ohio State University . . . Former Western quarterback STEVE HANSEN has been named Sportsman-of-the-Year for the Lower Columbia area in recognition for an outstanding football coaching performance at Woodland High School.

'62 DAVID BENSELER, an assistant professor of foreign languages at Washington State University, has been named president-elect of the 500-member Washington Association of Foreign Language Teachers.

'66 BRUCE PARIS is assistant manager of the Aberdeen branch of Seattle-First National Bank . . . SALLY SCOTT and Wallace Simmons were married March 17 in Bellingham. They are living in Mount Vernon where she is a child welfare caseworker.

'67 ALAN BANKHEAD is Tacoma's first city artist under a Federal Public Employment Program grant.

'68 WILLIAM J. BROWN of Western's Technology Department and Adeline Olden of the Art Department were married February 17 . . . DONNA LORMOR is teaching physical education in a junior high school in Tacoma . . . SYLVIA STATON and Leedell Reuben were married December 23. They are living in Seattle where she teaches fifth grade.

'69 MIKE DAHL is teaching junior high school in Tacoma . . . CHARLES LELAND is attending medical school in Seoul, Korea . . . Theresa Triggs and THOMAS WHEATON, Jr. were married March 3. They are living in Olympia where he is employed by a lumber company . . . SIGNE THORSEN is employed as a consultant with the Selection Consulting Center in Sacramento . . . ANN COWAN is teaching high school French and English in Thailand.

'70 ED BLISS is manager of the Aberdeen office of the Employment Security Department . . . LYNNE ERICKSON and Howard Sage were married April 14 in Seattle. They are doing graduate work at Western . . . Janie Williams and JOHN OVERMITH were married April 14 in Bothell . . . JANET WEDEKIND and John Peterson were married in Tacoma on March 17. She is teaching elementary school in Fife.

'71 KAREN CHOWN and John Schwartz were married December 31, 1971. They are living in Albuquerque where she is working on her master's degree in counseling.

'72 Sandra Wallace and DENNIS CRESSMAN were married March 18 in Port Orchard. They are living in Bellingham where he is a substitute teacher . . . SARA McELRAVY is coaching track at Forks High School . . . PATRICIA PICKRELL is a VISTA volunteer in Ely, Nevada, working as a reading specialist, tutor and counselor at the high school there . . . DAVID SWENSEN is director of the South King County Multi-Service Center in Federal Way . . . MARY ALICE LAFOND is a group life counselor at Echo Glenn Correctional Institute in Issaquah.

Unclassified

STEVE DODD is a steward with United Air Lines . . . RICHARD HAMLIN is superintendent of schools in Coquille . . . ALTA McCULLOCH, a third grade teacher in Montesano, received the Golden Acorn Award for her outstanding contributions to the school and community . . . BARBARA BURRILL and James Elder, Jr. were married April 14 in Seattle where they are living . . . JERRY Mcgee is executive director of the Oregon Association for Retarded Children in Salem . . . COLLEEN NORRIS, a second grade teacher in Sedro Woolley, received the Outstanding Young Educator of the Year award . . . JACK WESTFORD of Bellingham has been named chairman of the Governor's Task Force on Jobs for Veterans . . . Airman First Class STEVEN TORRENCE has been named Outstanding Airman at Kingsley Field, Ore. . . . GENE RORVIG is an agent for an insurance company in Bellingham.

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