Second urban vehicle designed by students

Viking II, successor to the award-winning urban vehicle designed and built by students in the Technology Department at Western in 1972, is off the drawing board and beginning to take shape.

Students are working with a 1,100-cc, 62-h.p. Subaru engine and other components, building a two-place automobile which will go 50 miles on a gallon of propane at 70 miles per hour. Contrary to arguments from Detroit which claim that fuel economy and low exhaust emissions don't mix, Western's car is also slated to meet pollution-control requirements.

Students at UCLA are meanwhile working on a car which will compete against Viking II in a race from Canada to Mexico. Other schools have been issued a challenge to join the competition and the University of Washington, the University of Tennessee, Campilando High School (California) and Fresno State College have announced that they will have entries. The University of Michigan, Georgia Tech and others have also expressed interest.

The WWSC vehicle will burn propane because that fuel 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.

Wind Tunnel Tests

"Aerodynamics is a major consideration in the design of the new economy car," Dr. Seal said. "Arrangements have been made with the University of Washington to use their wind tunnel at no cost to Western."

The body will have a streamlined shape and particular care will be taken to minimize the effect of air intakes and projections on the surface.

Pop-up headlights will 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 by all other factors combined.

"At 90 m.p.h., air drag is nine times as great as at 30 m.p.h."

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 body will be made of aluminum honeycomb material faced with glass-fiber-reinforced plastic. The ability of this material to absorb impact energy is greater than that of steel.

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 wheel base and five-foot width. Windows will be made of abcit seventy, a nearly unbreakable plastic.

Lap Bar

As currently envisioned, the passenger restraint system will consist of a lap bar similar to that used on Ferris wheels in carnivals and amusement parks.

Fuel flow will be entirely cut off to two cylinders at low speeds and loads. Exhaust valves will be held off their seats to provide compression release, allowing the remaining two cylinders to operate most efficiently until all four cylinders are again required for increased speed or to climb grades.
President’s Corner
By DOUG SIMPSON
WWSC Alumni President

As a major part of our efforts to help the College in its budget crisis, Western’s Alumni Board hosted legislators and other state officials at a reception February 1 in Olympia. The social, our second in as many years, was co-hosted this year by alums from Eastern.

While promoting good will with legislators, we also urged support for the Council of Presidents’ “Half-way Plan,” which would spread budget cuts due to enrollment decrease over two years, thus enabling the College to make smoother, less crippling cuts. In addition, the room at the Governor House included a slide presentation about the College, display models of Viking II (this year’s non-polluting, highly economical car), an architect’s model of the College’s Shannon Point Marine Center near Anacortes, and alumni displays.

More than 20 Western board members (many with their spouses), as well as six Eastern counterparts, made contacts with eight state senators, 32 representatives, and others such as Lieutenant Governor John Cherberg, Land Commissioner Bert Cole and Governor’s assistant Ralph Munro. I received letters from several others, including Governor Evans, expressing regrets that they would be unable to attend. College officials on hand included President Charles J. Flora, Academic Vice-President Jerry Anderson, Dean of Students C.W. “Mac” McDonald, Acting Dean of Arts and Sciences Robert Monahan, Business Manager Don Cole and Presidential Assistant Mike Barnhart.

The event, even more successful than last year’s initial effort, made a favorable impression on legislators and greatly pleased college officials. Vice-President Anderson sent me a note, which stated in part: “It is without doubt one of the most successful events of its kind I’ve attended during my career in higher education.”

ALUMNI PROFILE: One of the active alums at the reception and the Alumni Board meeting the next day was DOUG McCOY, a 1964 grad in his first year on the board. McCoy, who lives in Seattle, is carpet manager of Sears’ Overlake store.

A 1960 graduate of South Kitsap High School, McCoy spent an active four years at Western, where he was involved in dramatic productions, spent a year on the ASB legislature, and served another year on the judicial board. He also participated in 1963 in a series of Western/UBC discussions on KVOS-TV.

McCoy, a political science major, was in the midst of the 1962 controversy over the proposed campus appearance of communist Gus Hall. “I felt that college, as a marketplace of ideas, was the place to let him talk,” McCoy says. However, interference of a local state legislator and intimidations and financial threats precluded Hall’s appearance, just as it did at the University of Washington.

Doug and wife Mary-K (formerly O’Connor, class of 1966) have two children, a girl, 8, and a boy, 7. McCoy enjoys restoring furniture and strolling beaches in search of materials for making artistic creations. “I enjoy the beauty of natural things.”

After serving as an alumni admissions counselor last year, he was invited to join the board last spring. “I can’t think of a time in my life with more fond memories,” says Doug about his college years. “Bellingham is a town I really like, and it’s exciting to get back into college affairs.”

In a busy first year on the board, McCoy has served on three committees—legislative, scholarship and membership. He sees the board’s biggest challenge as “ferreting out alumni and turning them back on to Western. Most alums must have the same sorts of fond memories I do.” McCoy sees the board as a way for alums to get involved in something other than their jobs—with an opportunity to accomplish something meaningful for the college.

Fairhaven eyes Urban Studies inner city plan

Seattle’s inner city is a college campus for a group of people involved in an experiment developed by Fairhaven College. The project provides work experience and academic training for a racially mixed student body.

Conceived by inner-city residents who see a need for education which provides skills necessary for survival in their home area in addition to a diploma, the program is known as the Center for Urban Studies. Coordinators of the center are Seattle residents Kathy Bourne and Ronni Gilboa, both of whom are Fairhaven students.

According to Gilboa, educational needs of some people are best served when they are allowed to remain in their own community.

“Minority students who go to college in a basically white institution are removed from their culture,” Gilboa said. “They either buy their way into the white system or they become turned off and drop out.”

On the other hand, she says, white students who do field work in social agencies in minority neighborhoods as part of their education often have no ties to the community in which they receive their training. “They spend time there for college credit, but then they leave and take their skills and training with them,” she says.

What the inner-city residents wanted was a way in which people could be educated and given skills which would be applied in their own community.

Fairhaven Receptive

Fairhaven, a cluster college committed to innovative educational approaches, was receptive to the idea; the program was put together and went into operation in September.

Students enrolled in the Center for Urban Studies must meet admission requirements of WWSC and pay regular tuition charges. As members of the Fairhaven/Western student body, they have full use of those college facilities, including financial aids.

But, unlike traditional Western students, they do not come to WWSC for their education. Instead, they are assigned to work in Seattle social-service agencies, attend various core groups for learning assignments in their particular fields and participate in seminars and special events.

Skill-building classes are available in

(Continued on Page 6)
Western prepares for busy summer session

With winter not quite over and spring not yet a reality, it may seem early to start making summer plans. Not, however, if you'd like to consider an "academic vacation" at Western.

Plans for this year's summer session at Western include a wide variety of six- and nine-week courses designed primarily for people in baccalaureate and master's programs. But, in addition, more than 100 mini-courses, ranging in duration from one to eight weeks, will be offered for those people who can't attend the entire summer session but who nevertheless enjoy a "back to school" experience.

Enrolling in summer classes may seem an unusual way to consider spending a vacation for those outside the teaching field but, as William O'Neil, director of Western's summer session, points out, the unique location of the campus makes it ideal for combining academic stimulation with outdoor relaxation.

In fact, many of Western's summer classes are geared to take advantage of Pacific Northwest geographic features. Wilderness photography, a workshop in Alpine environment and mountaineering, marine biology and boating are but a few of the courses designed with the outdoorsman in mind.

'Something for Everyone'

But "something for everyone" might best describe the Western summer program this year. In addition to the wide variety of courses for scholars from freshman to graduate levels, there are hundreds of offerings aimed at everyone from housewives to businessmen, couples, families and even youngsters.

Teachers wishing to pick up additional credits or wanting to sharpen teaching skills will find such courses as reading and children's literature, innovations in middle school curriculum design, and seminars in both special and community education. A special summer institute will offer teachers background for use in their classrooms appropriate to the upcoming bicentennial year.

Businessmen with interests abroad might wish to enroll in Doing Business With Japan, a workshop concerned with Japanese economy, management, politics and American business potential in that country. For politicians and would-be office holders, a short course in records management from August 5 to 9 will give tips on how to reduce costs and increase efficiency in units of state and local government.

Families haven't been overlooked by Western's summer program planners. A core workshop in fine and performing arts has been designed to give families an opportunity to learn together about music, dance, drama and art, and to participate in various art forms.

Many classes and activities in the summer schedule have been geared to young people of all ages, O'Neil points out. A workshop in mathematics and computer sciences is open to high school seniors, and three weeks of intensive actor training will be offered from August 4 to 24 for high school students, in addition to other pre-college courses.

For Youngsters, Too

Even the smallest youngsters can enjoy Western's summer program. Preschoolers aged three to five years may take gymnastics and swimming; for older children, tennis, volleyball, swimming and Olympic gymnastics classes are offered. A co-operative nursery, for youngsters from two to five, will be available to assist parents coming to Western with small children.

And for leisure time hours, concerts and films will be offered, along with a nine-week summer stock theater schedule which includes two plays for children. Special events will also be held in connection with Western's 75th-anniversary celebration. Bike tours, day hikes and campouts will also be part of the Western summer scene, and equipment for most activities can be rented at nominal costs.

A wide variety of on-campus housing, from single rooms to apartments for families, will be available.

"Advance registration is required for summer classes," O'Neil says. "We hope people could plan to have applications in by June 1, but we realize that in some cases that won't be possible. In the past, we've asked people for a down payment on fees as a reservation, but this year that isn't required, though we ask that people notify us if their plans change."

Complete information on all courses, along with applications and registration cards, is contained in Western's summer catalog which may be obtained by writing to the Office of the Summer Session, WWSC, Bellingham 98225.

But do it soon. As O'Neil points out, "This is going to be a great summer to come to Western."
PHASE ONE

OLD MAIN REFURBISHED

Boxes, furniture and people moved into the south portion of Old Main at Western as the first phase of complete renovation of the oldest building on the campus neared completion. Among those to occupy the new space will be the dean of students, student services, business management, purchasing and the college planning office.

Renovation of Old Main was begun during the summer of 1972 in order to bring the building up to fire and safety standards equal to new construction. Building inspectors had, some time previously, declared the structure unsafe and had demanded that it be torn down or remodeled.

Subsequent study revealed that it would be cheaper to bring the building up to standard than to tear it down and create new space for administrative offices. The building was also determined to be well worth saving from the standpoint of preserving an example of classic architecture that has become a revered landmark.

The interior wooden structure of sections originally known as the south annex and training school annex of the building, built in 1902 and 1914, respectively, has been removed during the project and replaced with new columns and beams of structural steel. Interior space has been rearranged so that considerably more usable floor area is available than was possible with the original structure.

Service Cores

New service cores have been created, containing all mechanical and electrical services, elevators, restrooms and other facilities. Interior bearing walls have been removed in the remainder of the restored area, leaving large open spaces that can be used in a variety of ways.

New interior walls will be non-load-bearing partitions which can be removed and relocated economically in the future if the space needs of the college should change. Architect for the project is George Bartholick.

Automatic fire doors have been installed, actuated by a system of smoke detectors. When closed, the doors separate the remodeled section into two separate wings, isolated from the remainder of the building. The two wings are separated from each other by a large stairwell and each wing has its own fire-escape stairway.

Included in the project was construction of a one-story addition to the south end of Old Main, the first change in the appearance of the exterior of the building since 1914. The new addition contains a registration center and a new lobby for Old Main Theater, a 240-seat facility which can be used for lectures or theatrical productions.

The financial aids and student-registration areas are located on the first floor, with the registrar's office, admissions and college relations on the second floor.

The controller and business management will be on the third floor; the dean of students, college planning office and space and scheduling will occupy the fourth level.

President Will Move

Eventually, the president, academic vice president and other administrators will be moved to the fifth floor while renovation of the remainder of Old Main is under way. This will mark the first move for the office of the president since the school opened in 1899.

The president's office will return to its traditional location upon completion of the second phase.

The 1.8-million-dollar project was financed through funds provided by Referendum 19, approved by the voters of the state in 1968. General contractor for the renovation was Wick Construction Company of Seattle.

During the renovation, the old bannisters were stripped of their years of old varnish and refinished. This photo shows the basement area, near Lecture Hall 1.

Windows in stairwells have been lengthened and provide new perspectives of the campus.

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Bookstore profits form aid program

Converting bookstore profits into financial assistance for students is the aim of a unique work-grant program recently put into operation at Western.

Under terms of the program, each cluster college and all academic departments are invited to submit names of two students each quarter to the Bookstore Board which has final approval of work-grant program nominees. To be considered, a student must be attending Western full time and must have earned a minimum 3.0 (or B) grade point average for the last two academic quarters.

Participants in the program are given creative learning assignments to perform and, in return for this work, are given a $100 charge account at the Bookstore which may be spent on anything from textbooks to toothpaste. These work assignments consist of research projects or other academic activities, rather than clerical duties, and are selected and supervised by the nominating departments.

Students have two consecutive quarters in which to use the grant in its entirety.

According to George Elliot, manager of the Student Cooperative Bookstore, the program was established as a means of returning profits to the students. "We gave back $50,000 in rebates last year," he said, "but income from invested funds keeps building up and we felt these funds should also be returned to the students."

During each academic year, 150 work grants will be awarded, Elliott said, noting that every available grant had been utilized during fall quarter, the first of the program's operation.

The work-grant program is the only one of its kind in the state, Elliott said. Bookstores on other campuses are under a variety of ownerships, including both private and state, as well as student cooperatives.

"But the student co-op ownership is the one that really serves the needs of the students," Elliott said.

Mike Franza named sportsman of year

Mike Franza ('73), Western's all-time basketball scoring leader and holder of a hatful of Viking hoop records, was chosen as Whatcom County's "Sportsman-of-the-Year" at an annual banquet February 10 at Bellingham's Leopold Inn.

Tom Wigg, star Western football player who finished his four grid years the past season, was also one of the seven finalists vying for the honor.

Franza was appointed as head basketball coach at Meridian High School (just north of Bellingham) in late January following the resignation of Roy Grady ('64). Franza has been teaching mathematics and coaching junior varsity basketball at Meridian this year after failing to catch on with a pro hoop team.

Looking Back

First Class Day

In 1901, the first Class Day exercises were held. The event consisted primarily of an original play presented by the senior class, featuring jokes made at the expense of faculty and schoolmates.

In 1912, Class Day became associated with the laying of a stone, engraved with the graduating class year, in the sidewalk running south from the front entrance of Old Main. The day included a preliminary assembly and was usually held on Tuesday of Commencement Week.

While the laying of the traditional stone on Memory Walk is still practiced as part of Commencement ceremonies, Class Day, as such, was abolished in 1960.
Western alumna adds to Lynden chess tourney

(Editor's note: The following story and pictures are reprinted through the courtesy of the Lynden Tribune.)

Mrs. Theresa Tromp Lonnquist, the 79-year-old New York woman who endowed the Lynden Chess Tournament, classifies herself as one of the original "hippies." And she still has a zest for living and traveling.

In Lynden recently to visit relatives, she announced that she is adding 400 more shares of Grade A stock to her trust which provides prizes for the annual chess tournament. This will add $600 a year to the trust income and will provide more and larger supplemental chess awards.

"It will also hasten the time when Western Washington State College at Bellingham can have a Theresa Tromp Chess Tournament with sizeable cash awards," she said. The annual chess tournament attracts spectators from many areas, but only students from the Lynden school district may enter. Cash awards range from $10 for ninth place to $1,000 for the first place winner.

Mrs. Lonnquist claims she was born 50 years ahead of her time. In 1916 after she graduated from Bellingham Normal School, she found that she was not quite ready to settle down, so she decided to hitchhike across the country. She later attended Columbia University where she received a master of arts degree in 1922 in philosophy with math as a minor.

Taught Math

Mrs. Lonnquist taught math in high schools for seven years until she married G. A. Lonnquist and then devoted her time to her husband and two daughters. She now has seven grandchildren.

Her motto in life has been one that she has taken from the philosopher Virgil who in 50 B.C. said, "Fortune favors the bold."

Mrs. Lonnquist has found that philosophy to be true.

Following the death of her husband and the marriage of her daughters, Mrs. Lonnquist decided to take up nursing. She is now registered with the two top New York agencies and is the only woman with a master of arts on their register. She prides herself on being able scrupulously to follow the doctors' orders while giving patients the benefit of her "royal bedside manner."

Starts Tournament

She started the chess tournament three years ago for the young people of Lynden, which she still considers her hometown even though she has been gone 50 years. She wanted to give the young people of Lynden an educational, elevating recreation for their leisure time. "My tournament gives cash awards, not glory," Mrs. Lonnquist said.

Mrs. Lonnquist learned chess from her uncle, Y. H. Tromp, who came to Lynden in 1906 and started a chess club in back of his Tromp's Book Store which he founded.

Mrs. Lonnquist has travelled a great deal and has found that chess playing is a good way to relax and pass the time aboard ship.

Mrs. Theresa Tromp Lonnquist, former Lynden woman, is shown at right examining a picture of herself taken in 1916 while she was a student at Bellingham Normal School. In photo at left, Mrs. Lonnquist refers to herself as the "original hippie" as she is shown hitching a ride in a Model T on a cross-country trip following graduation from Bellingham Normal in 1916.

She has taught school in Melbourne, Australia, and spent five months in Wellington, New Zealand, during her travels.

In her younger days she spent a year in Seward, Alaska, and worked as a waitress in Fairbanks. Other places she has visited include Africa, Finnish Lapland, Dutch East Indies, Java, Sumatra, Bali, South Sea Islands and Tahiti.

In April the third annual Theresa Tromp Chess Tournament will be held in Lynden. Mrs. Lonnquist hopes to return in order to present the prizes personally.

WOW schedules period fashion show

Fashions from the 1890s through the present will be on view at an historical style show to be presented May 11 by Women of Western (WOW), an organization composed of women faculty and staff members and wives of Western Washington State College employees.

The show, to be held at noon in the Crystal Ballroom of the Leopold Inn, is one of many events scheduled for the celebration of Western's 75th-anniversary year.

Fashions from throughout the years will be modeled to music appropriate to each era, and a moderator will relate anecdotes and WWSC history concerning the costume or period of time the outfit portrays.

According to Kathryn Whitmer, WOW program planner, the organization is presently searching for women's clothing to be used in the show. Those having fashions they would care to lend are asked to contact Mrs. Whitmer, 420 Morey Ave., Bellingham 98225 (733-0190).

Those lending costumes will be asked to give the size of the garment; approximate date of the period to which it belongs; a sketch or picture, if possible; and any other available information pertaining to the garment.

Reservations for the luncheon event may be made by contacting Sandra Dresbeck, 111 Viewcrest Road, Bellingham 98225 (734-9783).
'Western at 75' to be published

Western at 75, a new history of the College by Dr. Arthur C. Hicks, is scheduled to be available sometime in March. The book contains 132 pages, plus some 80 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 will be printed in paperback form and will be available at $3 each from the Student Co-op Bookstore, WWSC, Bellingham, WA 98225.

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

Please print; this is your mailing label.