

KEEL N STEEL

VOL. 7 NO. 10

NEWS ABOUT NASSCO THE "CAN DO" YARD

OCTOBER 1967

MV ELWHA LAUNCH SET DEC 16

The last of four "superferries" being built for the Washington State Ferry System will be launched during ceremonies at 10:00 a.m. Saturday, December 16th.

Mrs. Charles G. Prah! will christen the MV ELWHA. She will be assisted, as Matron of Honor, by Mrs. A. F. Eikum.



Mrs. Eikum

Mrs. Prah!

Others taking part in the ceremonies include Charles G. Prah!, Director, Department of Highways, Washington State; Captain Malcolm A. Carpenter, U.S.N.; John V. Banks, NASSCO Executive Vice President, and John M. Murphy, NASSCO Vice President, Sales.

The ELWHA (an Indian name meaning "Elk") and her sister ships, HYAK, KALEETAN, and YAKIMA, are the

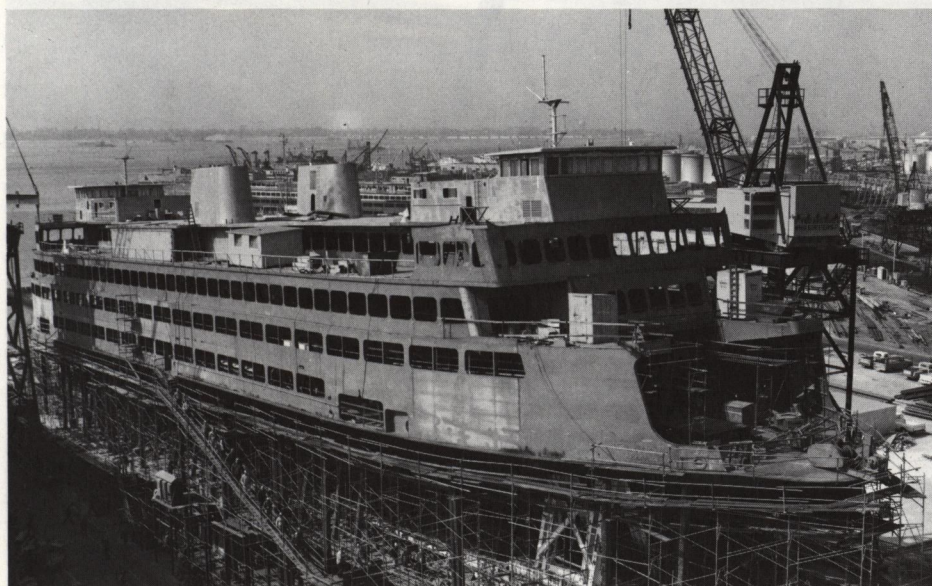
largest and fastest ships to join Washington State's ferry system.

A statistical comparison between "superferry" MV ELWHA and the system's previous largest and fastest, MV TILLIKUM shows the greater speed and capacity of the new:

	MV ELWHA	MV TILLIKUM
Dimensions:		
Length	382'2"	310'2"
Beam	73'2"	73'2"
Draft	16'6"	15'6"
Max. Vehicle Clearance	16'	14'
Power (propulsive), Shp	8000+	2500
Speed, knots	20	15
Load Capacity		
Passengers	2600	1140
Vehicles	160	100

Immediately following the launching, the keel section will be laid for the U.S.S. FRESNO, first of a series of seventeen tank landing ships (LSTs) to be built at NASSCO for the U.S. Navy. Vice-Admiral Francis J. Blouin, U.S.N. Commander, Amphibious Force, Pacific Fleet, will strike the arc that symbolizes the beginning of construction on the new design LSTs.

Employees are urged to bring their families and friends to observe the launching and keel laying ceremonies.



Workmen appear minute as they descend the steps from the giant ferry. The main propulsion for the new ship and her sister ferries are four GM Electro Motive Division diesels each rated 2240 bhp at 835 RPM which drive Westinghouse DC Generators.

NEVER FORGET

Forty-nine years ago, on November 11, at 11 a.m., the armistice was signed at Compeigne, France, ending World War I.

In early years, Armistice Day was often observed publicly with a minute of silence at that hour on November 11. Later, World War II, the Korean War, and the war in Viet Nam added millions of men and women to the roster of the nation's defenders.

All are honored on November 11, Veterans Day, as Armistice Day is now known. It is a legal holiday, in all the States and dependencies. It is also a holy day of remembrance for every American. Those who died and those who are yet to die in defense of freedom must never be forgotten.

DONALDSON JOINS COMPANY

Lee C. Donaldson recently joined NASSCO as Supervisor, Planning and Control. Lee will report to Bill Freeze in performing his duties.

Lee has several years experience with Kaiser Companies. His service started in 1941 as supervisor of one of the Kaiser managed shipyards in Portland. His last assignment was as Senior Project Engineer for Kaiser Jeep Corporation. Prior to that time he performed engineering assignments with the Kaiser-Fraser Corporation. Other experience includes work with Consolidated Builders and Kaiser Aircraft.

Lee was born in Portland, Oregon. He attended Oregon State College and Oregon Institute of Technology, majoring in Mechanical Engineering.

He and his wife, Jeane, have three children and two grandchildren.

His spare time activities include hunting, fishing and boating.

Welcome aboard, Lee.



NEW ENGINEERING FACILITY NOW IN USE

An open house and tour for engineering employees' families was held at NASSCO's new two-story engineering building on Saturday, October 28th.

Between the hours of 1 p.m. and 3 p.m. over 200 men, women and children toured the modern 20,400 square foot facility. Proud employees acted as guides and refreshments were served.

A part of the current modernization and expansion program at NASSCO, the new \$200,000 building provides the necessary space and services for as many as 220 engineering personnel.

The exterior walls are of 26 guage prefabricated steel panels with fiberglass insulation core. Ceilings are Kaiser suspended type with integrated air conditioning, heating, and lighting in the lower and upper floors. Lighting is non glare with sustained intensity of 100 foot candles at desk level in offices and uniformly 200 footcandles at table level in all drafting rooms. Fixtures are flush mounted.

The structure was built by Dunphy Construction Company of San Diego.



Jack Letherbury, Vice President Engineering, and Mrs. Letherbury, greet the Larry Pittman family as they entered the new building. Larry signs guest register for Melisa, 7; Blane, 8; Gwen, his wife; Tanya, 5; and Ricky, 10.



Alta Sadler, left, and Rita Combs, of the technical library staff, organize the new library. The new technical library holds several thousand pieces of literature including military specifications and standards, technical manuals, reference plans, vendor's catalogue, etc.

Please notify
personnel immediately of
change of address.
Be sure to include
your zip code.



From the left, Chris Christensen, Chief Draftsman; Ainslie Phillips, Design Supervisor, and Les Smith, designer, discuss model of the new designed Tank Landing Ship (LST's) NASSCO will build for the U.S. Navy.

WHAT MAKES NASSCO THE "CAN DO" YARD



Frank Walashek demonstrates improved method of mounting air motor to magnetic drill stand. The unit on the right shows bolted steel brackets which continually worked loose causing misalignment of drilled holes. This in turn required frequent sharpening of tools. A great deal of time was spent to change drill motor when it was necessary too. The point of the drill was also too far from the magnetic stand allowing it to be pulled away when correct drill pressure was applied. The snug fitting aluminum mount eliminates all the aforementioned problems.

NASSCO SPONSORS JUNIOR ACHIEVEMENT

Junior Sales Unlimited is the Junior Achievement Company that the NASSCO Management Club will sponsor this year.

In Junior Sales Unlimited there are twenty young high school students between the ages of 14 and 19 busily organizing their company for the production of auto litter containers.

Serving as the three adult advisors to the company are NASSCO's Barney Mann, Frank Kearney and Frank Shippey.

Achievers learn about business in the free enterprise system by actually running their own business concerns. They meet once a week from September to June; form their own corporations, elect their officers; decide on what product or products they want to produce and sell; raise capital by selling stock; purchase materials; and physically manufacture the merchandise of their choice.

The Junior Achievement Program is beneficial in many ways. Young people gain an understanding of how a business is operated; it helps young people to decide upon what business career to follow; it helps to develop future employees; and it gives young people something constructive to do.

The San Diego Junior Achievement Center at 38th and University is headquarters for forty-one Junior Achievement Companies comprising 860 young Achievers and 140 adult advisors.

Safety Spells Sense

Burnings Lose Earnings
Fire is temperamental.

In industry, it melts metal, aids research, serves in hundreds of ways to improve our jobs and help us produce quality. Or, it can turn a modern, efficient plant into a giant blob of black and twisted girders. It is a great ally of unemployment.

At home, fire can create a noisy, friendly pot of coffee. Or, it can roar up a stairwell and sear the air in our lungs.

Fire can turn a fragrant, beckoning mountainside of trees into a barren, eroded mass of charcoal and black stumps.

Abused, it can turn a lighted cigarette into an instrument of death.

Use fire with an awareness of the dangers it holds. To keep it as a friend, observe the "ground rules" of basic fire prevention.

Now is a good time for all of us to inspect our work areas to be sure fire safety is being enforced. One small fire could result in the loss of many jobs as well as many lives.

A.W. Wright
Safety Engineer



John M. Murphy, NASSCO Vice President Sales, left, presents corporate charter to the group and extends congratulations and words of encouragement. Achievers standing, beginning second from left, are Rigo Herrera (President), David Galusha; Pamela Prueth; Barbara Scherer (Secretary); Jim Arnott; Reina Garcia; Bart Biller (Vice President, Manufacturing); John Mc Connel; Lewis Furrer; Leroy Anderson; and Advisors, Barney Mann; Frank Kearney and Frank Shippey. Achievers kneeling, from left, are Barbara Amez; Sharon Prins; Virginia Cortez; Charlene O'Dell; Marva Elzy; Karen Cifre (Treasurer); Linda Copeland (Vice President, Sales); and Deanne Butner.

INTERCOM

A rapid transit system for Washington, D.C. moved one step nearer last month with the award of a \$891,000 contract to Kaiser Engineers for the final design engineering and architectural work on the Dupont Circle station in the 25-mile network for the national capital.

The 670-foot-long station will be tunneled through solid rock 70 feet under Connecticut Avenue running north to Q Street. The contract also includes about 5000 feet of tunnel from the north end of the station to the middle of Rock Creek Park.

Final design is the last lap before actual construction begins about a year from now.

Kaiser Engineers experience in rapid transit includes design and construction work for the Los Angeles, San Francisco Bay Area, New York, Baltimore, and Montreal systems. Kaiser also performed the initial engineering feasibility and development study for the Washington Metropolitan Area Rapid Transit System.

Kaiser Aluminum started production at one plant and announced plans for another new venture. The plant opened was at Oxnard, California, when forgings were produced for Northrup Corporation. The new venture, a can-making facility, was announced for Union City, near Oakland.

Kaiser Broadcasting signed a contract with the San Francisco Warriors to televise 15 regular games over station KBHK-TV when it goes on the air in San Francisco in January.

Tallest building in Redwood City, California, is the Kaiser Foundation Hospital topped out at the eighth story. The \$8 million hospital is 75 per cent completed and is expected to open in April, 1968. It was designed by Kaiser Engineers, which supervised construction.

At Sacramento, a \$400,000 addition to the Kaiser Foundation Hospital is one-third finished and is due to open in January.

TWILIGHT GOLF LEAGUE ENDS WITH PLAYOFF



The playoff was held October 7th at the Carlton Oaks Country Club. First place winners standing left to right, are Joe Miller; Harold Sessions and Barr Smith. Kneeling left to right, Scott Bailey and Mike Souchar.



Second place winners are, standing from the left, Dutch Wenger, Lee Voight, Floyd Clark, kneeling from left Roy Marshall and John Murray.

Nassco Store Relocated



Les Wells, left, waits on customer Ralph Cook.

Les Well's, NASSCO employee's store now occupies the old service station building at the south corner of Harbor Drive and 28th Street.

Store hours are: Monday to Friday, 5:45 a.m. to 10:00 a.m. and 2:00 p.m. to 5:00 p.m. Store hours on Saturday are from 6:00 a.m. to 12:00 Noon.

Les says the store features the best quality of general merchandise and work clothing, including 35 styles of gloves, 12 styles of weld helmets, and 15 styles of safety shoes.

The store also carries a complete line of Proto, Challenger, and Miller Falls tools.

**NASSCO'S NEW TELEPHONE
NUMBER (714) 232-4011**

Our American Government

(Editor's Note: The following questions are the twelfth in a series relating to the functions of our American Government. Source: House Document No. 148, 89th Congress, 1st Session, 1965 Edition.)

What is the size of the House of Representatives and how is it fixed?

By the Constitution, each State is entitled to at least one Representative and all beyond this minimum number are apportioned among the States according to population. For the first Congress, i.e., before the taking of the first census, the Constitution itself fixed the number for each State—and therefore the size of the House. Beyond that, however, the only constitutional limitation is that the number must not exceed 1 Representative to each 30,000 of population, and within this limit, Congress has the say as to size of the House. With the great increase in population, and consequent number of Representatives, there have been frequent demands for a smaller House, but to date the trend has been all the other way. Under the law now in force, the membership is fixed at 435 indefinitely.

What is the procedure for apportionment of Representatives?

For many years the actual apportionment was calculated according to the method of "major fractions" but under the act of November 15, 1941, Congress adopted the method of "equal proportions". Briefly, this method takes the fixed size (currently 435) and after assigning 1 seat to each State as

required by the Constitution allots the remaining 387 on the basis of a priority list obtained by dividing the population of each State by the geometric means of successive numbers of Representatives. This sounds like a rather complicated mathematical operation—but the simple purpose is to make the present difference between the average number of Representatives per million people in any two States as small as possible.

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