



Sun Ship Log

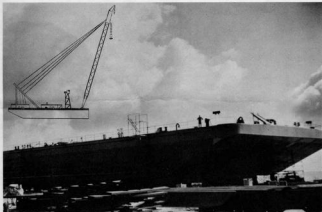


Vol. 6, No. 2

Sun Shipbuilding & Dry Dock Company

May - July 1972

800-ton Floating Derrick Latest Major Acquisition



THE COMPLETED BARGE AS IT APPEARED PRIOR TO CHRISTENING. The inset shows a sketch of how the completed assembly will appear with installation of the crane.

Sun Ship expects to have an 800-ton floating derrick ready for shipyard use by September. The derrick is being built by the American Hoist and Derrick Company. On completion, it will then be mounted on a barge, constructed in the Galveston yard of Kelo Marine, Inc. and now docked here at Sun Ship.

The derrick consists of a tubular shear-leg boom and a diesel driven four drum hoist, a sketch of which is shown in the inset. The 230 foot long main boom has a main tackle capacity of 800 short tons at a reach radius of 100 feet. The 25 foot long jib boom has an auxiliary hook capacity of 50 short tons at a reach radius of 225 feet. The derrick will be mounted on a barge hull 190 feet long, 100 feet wide, and 20 feet deep. The barge will have four mooring winches, three tugger winches, and three gypsies. Power will be supplied by a 350 kw diesel electric set.

Derrick, hoist, mooring and tugger winches will be remotely controlled from an elevated operator's cab. To aid the operator, the cab will have a two-way radio, searchlight, boom angle indicator, hook load and speed indicators. Final assembly of the derrick and barge will take place here at Sun Ship.

The unit was purchased primarily for handling the mammoth lifts connected with the Global Marine (DOMS) ship, a ship which, on completion, will probably rank among the most noteworthy of marine achievements for the decade. However, it will find ready use for the number of heavy lift operations faced by the company in their industrial product operations, especially those involving barge shipment of heavy, cumbersome fabrications.

As a final important note, this will become the largest floating derrick on the east coast.



MRS. EDWARD LaCROSS shown christening the barge, which will house the crane, at Kelo Marine Inc.'s Galveston Yard, June 23, 5:30 PM. (Both photos compliments of E. LaCross, Hull Superintendent)

Satisfied Customers Build Security

Repeated here is a copy of a recent letter commending the performance and work of our employees. This kind of letter is a pleasure to receive.



attendance

The work of each person on our payroll is important to everyone.

EVERY MAN'S JOB is related to work of the entire personnel.

It's easy to see that if a person is absent, it may interfere with schedules for Output, Delivery, or Service.

Whenever it is impossible for you to come to work as a result of some unexpected happening or illness, you should immediately notify your supervisor.

Everybody here will be helped by your early notification!

CALL TR6-9121, EXT. 476

Did You Know? ? ?

U.S. Coast Guard units responded to 44,370 calls to aid in search and rescue during 1971, thereby saving almost 4,000 lives. Likewise, they are credited with preventing property loss of more than \$233 million in the same period.

An icebreaker being built by the Coast Guard will be the most powerful ever to fly the U.S. flag, when completed in 1974.

The U. S. Coast Guard is developing new systems for vessel traffic control in harbors and other confined waterways in order to cut down chances of collisions.

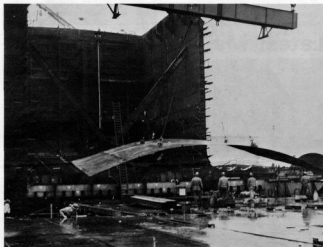
The Coast Guard is the United States' prime maritime law enforcement agency. Among laws for which it has major responsibilities are water pollution, fisheries and boating.

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While Records Were Being Set . . .



Side by side are pictures taken during a recent record setting steel assembly period for the Company. During one week in May, Sun Ship workers established a new all time high for steel assembly when they positioned 2,156 tons of steel during a five day period.

This is all the more noteworthy when the "mix" of vessel construction is considered:



two tankers, one an 80,000 deadweight and the other a 126,000 deadweight; a deep ocean mining ship; and a roll-on/roll-off trailership.

A TRIBUTE TO YARD EFFICIENCY

Annual Retirement Dinner



TOP THREE RETIREES, BY LENGTH OF SERVICE, were, (from left to right): FRANK PAVLIK (48 years-9 months), EDITH WHITE (48 years-4 months), and EMIL TOURING (45 years-11 months). THOMAS HAYES, NOT PICTURED, WAS NEXT IN LINE with 45 years-8 months of service.

The period June 1971 to June 1972 marked retirement for 91 employees. Of that total, 62 accepted the invitation to attend the annual retirement dinner sponsored by Sun Ship. Celebrating with them were 16 executives, 19 foremen and department heads, and 6 representatives from

Industrial Relations.

The Baltimore Room of The Media Inn was the scene of the dinner held June 23. Here are some statistics on those attending, based on their years of service: collectively, they represent 1,979 years — 6 months service for an average of 31.9 years.



The Environment . . . Everyone Can Help

by Thomas H. Snape

Environment Pollution Engineer for Sun Ship

"The automobile, in which most people spend much of their life, and a few start their life, is a masterpiece that furnishes speed, mobility, power, and comfort to the driver, but usually gives him no easy way to store a used tissue."—Source Unknown

In recent years, words such as "environment," "pollution," and "ecology" have found increased usage in our everyday conversation. It is difficult to read a paper or watch the news on television without coming across at least one reference to environmental pollution. Government agencies are initiating and passing legislation requiring industry to control and limit the amount of pollution injected into the air, aquatic, and land environment. However, care and protection of the environment is not just a company job. Each of us has the responsibility to do a share. There are many small, seemingly trivial acts each of us can make that will have a cumulative effect in protecting and preserving environmental values. The short list of opportunities that follows may seem insignificant, but if everyone participates the total effect of these actions could be significant.

1. Keep a litter bag in your car and use it.
2. Whenever possible, walk instead of drive. Not only is this healthy exercise, but it helps reduce the ambient concentration of pollutants from automotive exhaust. Bicycling is great too.
3. For the same reasons, take public transportation to work or join in a car pool.
4. Use low phosphate detergents.
5. Use returnable bottles when you have a choice. You will be surprised at the money you can save. For instance, at most distributors the price for a case of 16-ounce returnable bottles, less deposit, is

equal to the price for a case of 12 ounce cans. By buying the returnables over the cans, an additional 96 ounces or three quarts of beer can be consumed for the same price.

6. If there is a convenient can, glass or paper recycling station in your area, make use of it.
7. Compost leaves, grass cuttings, etc. rather than burn them. This makes a good around plants and to retard weed growth.
8. Refuse to buy clothing or accessories made from endangered species.
9. Be reasonable in the use of electric power. Ask yourself if you really need an electric toothbrush, an electric can opener, an electric carving knife, and any number of other small electric appliances.
10. Use the trash receptacles in the shipyard. Don't throw trash on the ground or into the Delaware.
11. Be as careful with trash where you work as you are where you live. They both represent a good investment of your time, and one should be as important as the other.
12. Don't use pesticides indiscriminately. There are many natural predators that can do the job for you.

Just a small change in our attitudes can make a big difference. Allow this attitude to spread, and we should soon be on our way to providing a pleasant and enjoyable environment for everyone.

A Special Salute to a Yard Patrol Member

Of the 13 different departments or groups comprising the Maintenance Division, there is a particular section called the Yard Patrol. This group of four men is charged with the responsibility to cover all areas of the Yard and Engineering Maintenance Building to check heaters, pumps, air conditioning systems, propane and oxygen plants, and steam boilers to name a few.

In this group is an outstanding mechanic who has worked as a Yard Patrolman for the past 22 years. His name—Tom Keely. Dating back to 1939 when he first came aboard the Sun Ship work force, he has worked for 36 Department as a Diesel Engineerman, 83 Department as a Power House Operator and since 1950, in his present capacity, that of Yard Patrolman. His outstanding work and willingness to



TOM KEELY

resolve the continuing problems of heat and air conditioning has given his group a very high reputation, and prompts this special salute to him. His achievements incidentally are not only above average in the Yard but also as a family man who has raised seven children.

Tom's hobby is camping. In addition to taking his own family on camping trips, he is also active with the Boy Scouts. It is an asset to our Division and to the Company as a whole to have men of his caliber working with us.

So that Tom Keely is recognized as one of the most vital men in the Maintenance Division, we want to say a particular THANK YOU, Tom, for the good work and the many patient hours.

Yard Employee Wins First Patent

Henry Venable (84-67), second shift leader in mechanical maintenance, was awarded his first patent jointly with his wife Catherine, on July 4, 1972. PATENT NO. 3,674,183 covers the design of a dispensing device that came into being as a result of his frustration and disgust with the wastefulness of bottles which once dropped or tripped over, spill or leak out a portion of their contents.

The invention involves a dispensing valve comprising a disc having a sinuous slit which is cut at an angle with respect to the face of the disc to form at least two and preferably three valve members. One of these members is larger than the other one or two, and is designed to permit passage of fluid when the container to which the valve is attached is compressed. The other one (or two valves) permits excess fluid and air to return to the interior of the container when it is released. The angular nature of the slip permits highly efficient dispensing and resealing action.



While this is a private patent, the shipyard can point with pride to an employee who boasts 36 years of continual service, having first worked in 47 shop for the first year of his employment with Sun Ship, before going into his present department, second shift mechanical maintenance. For the last 25 years, he has been a second shift leader in 84 department. His group is responsible for all maintenance on cranes, shop machinery, and other mechanical repairs as may be necessary.

This is his first award; however, Mr. Venable has other ideas which he hopes to be able to patent in the future.

Group of 30 Department Grads Saluted



Third shift graduates of the Boiler Shop Arcair course are shown receiving their certificates. Flanked by instructor JOHN KOZAK on the far left and Foreman DAVID MOORHEAD on the far right, they are: R. HEARD (second from left), S. KOWALSKI (third from left), and J. GALLAGHER. Remaining members of the course, representing first and second shifts, received their certificates on their respective shifts.

Eleven men of 30 department were the first to complete the initial Arcair course given in the Yard. Arcair is a metal removal process which is being used either to replace chipping in some cases or complement the chipping operation for metal removal.

First used by the welding department

on the shipways in the early '60s and later introduced into the Boiler Shop, the need for the Arcair skill in that shop has been increasing. Therefore, a school comprising only current 30 department personnel was established, to instruct them in basics of the technique; since then, the course has been expanded to 59 department as well.

Manhattan Leaves For Bangladesh

Leaving Sun Ship on May 27 bound for Houston, Texas where she will take on nearly 70,000 tons of wheat, the S. S. MANHATTAN will enter about six months service in a unique capacity—that of a floating grain silo. The ship will be docked near Chittagong, Bangladesh. The United States Agency for International Development chartered the Manhattan, now equipped with an ice breaking bow, for use in alleviating that war torn area by providing needed food supplies.

The 114,668 ton dead weight tanker will be used to bypass the damaged and congested port of Chittagong, and speed up food distribution by becoming a floating grain silo from which, smaller vessels will be able to deliver cargoes that will eventually be siphoned off from the Manhattan by other vessels for the people of Bangladesh. Arrival near the harbor of Chittagong is slated for early August.

A Lot of Heat . . .

Assuming the AMERICAN SUN were to carry a cargo of heating oil only, on a single voyage SUN HULL 648 can carry enough oil to heat 15,000 single dwelling homes for one year. This is not a wild figure, gleaned from American Petroleum Institute reports. It further points out the vital role of the American fleet (American flag ships) to our comfort and well being.

JOHN KOZAK (left) instructs WALTER NIEMCZURA, the most senior man in the group of 11, in the techniques of Arcair. Mr. Niemczura is a first shift employee.

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Meet

This year's MISS UNITED FUND, selected in a poll conducted by Frank Bowington of the Industrial Relations Department and member of the Sun Ship United Fund Campaign, resulted in the election of Miss Martha Komonosky to that honor.

"Marti" as she is known throughout the Engineering/Management Building, is secretary to Don Pratt of the Industrial Products (96) Department. She has been with the Company for three years. A Notre Dame graduate (1968), she has been a Chester resident all of her life.



She is a softball fan, and has the distinction of being considered the best outfielder on the women's softball team of which she is a member.

Join with Marti, won't you, in numbering this coming UNITED FUND campaign among our best yet.

Another Patent Award Scored For Sun Ship

U. S. PATENT 3,611, 970 is now the property of Sun Ship, thanks to the efforts of William Watson, Chief Staff Engineer; Richard Hagan, Project Engineer, Industrial Products; and Lewis Hazlett, a former Sun Ship employee.

This invention, specifically titled HIGH PRESSURE WINDOW ARRANGEMENT, was primarily developed as the direct result of design work with the GUPPY, during the time span when the Aero/Hydro Space Division was in operation.

NEW PATENTS FOR SUN

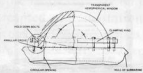
10, 000,000 PATENT RIGHTS

HIGH PRESSURE WINDOW ARRANGEMENT

Richard H. Hagan, Springfield, Pa.
Sun Shipbuilding & Dry Dock Company

William Watson, Washington, Pa.
Sun Shipbuilding & Dry Dock Company

Lewis Hazlett, Washington, Pa.
Sun Shipbuilding & Dry Dock Company



A hemispherical viewing window, of high pressure, is provided in a submarine hull or skin by means of clamping rings which engage the outer surface of the window and is bolted to the hull. An O-ring provides a low pressure seal between the window and the skin of the submarine. The above sketch is shown for clarity.

The patent consists of the design for a transparent viewing window for high pressure use, such as in a submarine or a GUPPY in this particular case. It is made of an organic thermoplastic material having the form of a hemispherical shell. The window is secured in place covering an opening in the submarine hull or skin by means of clamping ring which engages the outer surface of the window and is bolted to the hull. An O-ring provides a low pressure seal between the window and the skin of the submarine. The above sketch is shown for clarity.

This patent follows closely two others awarded in recent months, one to Richard Griffith and the other to Dan Garber.

42nd Annual Bowling Banquet

by W. Walsh

The 42nd Annual Sun Ship Bowling Banquet proved to be one of the finest ever, from the invocation, given by Mr. Arthur Holzbar, until the pizza & coffee served after the final medley of tunes by the Joe DiAugustine Group.

The affair, which is always the social event of the season, was held at the Falcon House for the third year in succession. Over 300 bowlers, relatives and friends attended.

The awards this year were a combination of both a lamp and a trophy, and the recipients will find them both useful, as well as decorative, in their homes.

Mr. George Licouras presented the men of the "A" League with their trophies and he was ably assisted by "Bud" Pruitt, the league secretary.

Mr. William Watson, aided and abetted by Joyce Regetto, then gave the men and women of the "Mixed" League their well deserved awards.

The "B" League awards were presented by Mr. Robert Barnhart assisted by Bill Walsh.

Highlighting the awards were two presentations by the A.B.C. (American Bowling Congress). The first was to Bill Locks of the "A" League for his high single game of 297. He received three silver dollars, one for each pin which remained

standing and deprived him of a "Perfect Game". The second ABC award went to Herb Arrington of the "B" League who received a "Century Patch" for his 279 high single game. The "Century Patch" is awarded to bowlers who score 100 or more pins above their regular average.

Following the presentations, Jerry Dougherty and Gabe Moretti distributed some 30 door prizes to the "Lucky" ticket holders.

The dinner was as per the usual Falcon House offering. It consisted of Canteloupe, Vegetable Soup, Prime Ribs of Beef, Potatoes, Peas, & Ears of Corn with all the butter one wanted. The individual servings were king-sized and delicious and to further enhance things, the chef rolled out a large wagon and cut second (and third) helpings of the tasty and succulent prime

ribs to any and all who were not completely filled by the first serving. Home made apple pie (served hot) and coffee topped off this most excellent dinner.

Later pizza & more coffee were served to the banqueters—this extra-added treat precluded anyone going home hungry.

The music by the Joe DiAugustine Group kept the dance floor crowded the whole evening through, as he "mixed" his selections well, with the favorites of every one present in mind.

One of the most enjoyable numbers was the Group's rendition of the "Alley Cat". Joe not only played it well, but taught those unfamiliar with the dance.

If you have a desire to attend next year's banquet, and enjoy a night as described, sign up now for the coming Bowling Season.

The Mixed League (men & women) will begin on Tuesday, Sept. 12th—the "B" League, on Thursday, Sept. 14th, and the "A" League on Friday, Sept. 16th.

If you are interested contact: Joyce Regetto (Mixed League)—Ext. 558 Bill Walsh ("B" League)—Ext. 593 "Bud" Pruitt ("A" League)—Ext. 602. All three leagues roll at the Chester Pike Bowlero in Edgelystone and all three begin at 6:45 PM sharp!!!

