Unsurpassed Bravery Marked Attempt to Reach Crew of S-4

Ellsberg's Record

Lieut. Comdr. Edward Ells-herg, who was awarded the Distinguished Service Medal for to mention the fact that he nearly lost his own life while attempting to carry aid to the survivors on the stricken S-4. While diving to determine if the S-4 could be lifted bow first, Comdr. Ellsberg plunged from the slippery side of the submarine and sank over his head into the mud of the ocean floor.

Before another diver could go to his assistance, he had suc-ceeded in freeing himself. Comdr. Ellsberg left the Navy comdr. Ellsberg left the Navy soon after the salvaging of the \$51 and became chief engineer of the Tidewater Oil Co. On learning of the \$4 disaster he immediately volunteered his services and arrived at the scene the Monday following the tragedy.

BY EDWARD ELLSBERG,

WILD leap in the darkness from A plunging surf boat brought me over the icy rail of the Falcon. With her anchor cable paid out to its maximum, the little vessel was trying grimly to hold its position over the sunken submarine S-4, while the freezing gale roared by and the seas swept over the Falcon's bow.

Still covered with ice from head to toot I bessed through the airlock into

foot. I passed through the sirlock into the inner chamber of the Falcon's re-compression tank. It was 3 a.m. on Monday morning. There in the cham-ber were Eadie and Carr, both exhausted from their own dives, working feverishly to bring Michaels back to

The previous Saturday afternoon measured mile course outside Provincetown Harbor, had come to the end of the course. Lieut. Comdr. Jones, her captain, had ordered "Left



LIEUT. COMDR. R. K. JONES. WHO WAS IN COMMAND OF THE S4 WHEN SHE WAS RAM-

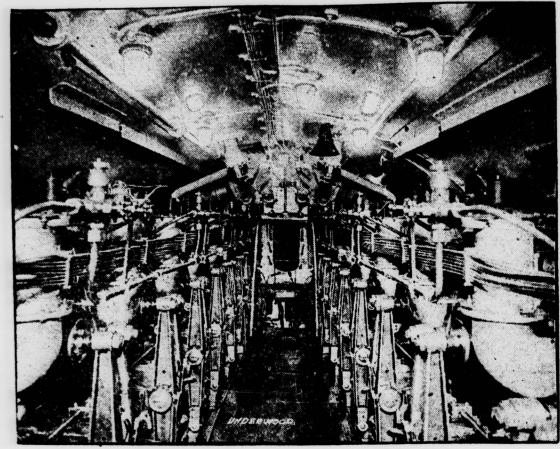
thing disappeared, while the crew of the Paulding franțically threw their enzines to "Full speed astern." The Paulding heaved over several

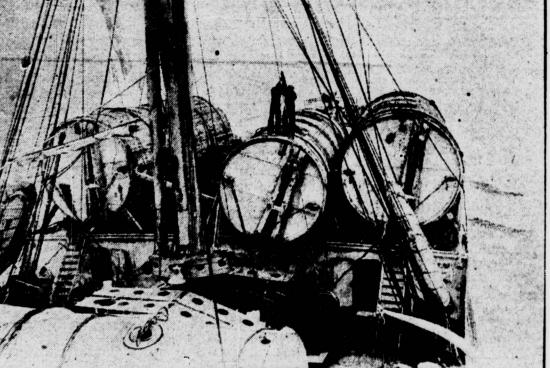
buoys to mark the spot, lowered he boat to care for any survivors, and then, with her own bottom gored, she steamed in to avoid sinking in the open sea. Meanwhile her radio was active and broadcast news of the

while a submarine is on the surface she has the same rights as any other vessel, but when she is submerged she must look out for herself. She submerges for the purpose of conceal-ment; when she does so in the open sea, as in this case, the duty of keeping clear rests with the submarine. It seems that in this instance the submarine never saw the Paulding, for if she had her captain probably would have dived deeper instead of com-

The Paulding's messages were picked up by several stations. There is no salvage gear at Boston, the nearest station, but such vessels as ere available were sent immediately From Portamouth, 60 miles away, the mother ship Bushnell started in two

Query as to Whether Navy Did Everything in Its Power to Save Imprisoned Men Answered by Officer Who Directed Salvaging of the S-51 and Went Back Into Service to Aid This Rescue Work.





PONTOONS USED BY THE NAVY IN RAISING SUBMARINES,

ngs, was sweeping unsteadily across

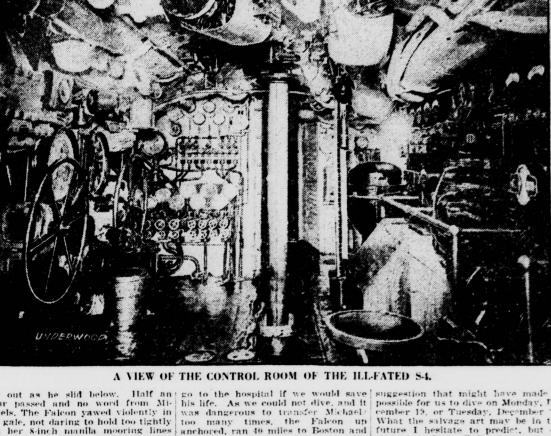
CITIEF Torpedoman Michaels, in charge of the remaining divers. vas told to select a man to go down. Under the circumstances-darkness, a ing at her precarious moorings, threatening to draw her anchors or part the heavy mooring lines at each blow of the sea—it was practically suicide to go down. Should a hawser part or an anchor come free while the

From Portanouth, 60 miles away, the mother ship Bushnell started in two hours. At Newport the divers there, headed by Chief Torpedomen Eadle anchored themselves of Michaels, started immediately over the road by automobile, their way cleared through both Rhode Island and Massachusetts by detachments of the State police. At New London Lieut, Hartley gathered his sextred crew, and within an hour his ship, the Falcon, the Navy's diving Newsel, was on her way, carrying liso Admiral Brumby.

IN New York lay the only possible means of help—six of the eight pondons which raised the 8.51. These

her position. Darkness had come on and a freezing wind was covering the Falcon with a coat of ice. The men in the torpedo room had an air supply good for 72 hours in all—nearly 30 hours of that was gone, but they reported their air still good. But, realizing that the storm might last for several days and that new air would be vitally necessary before then, it was decided aboard the Falcon to dis one was to be coupled to the compartment salvage line in the submarine, which leads to each compartment on the ship, including the torpedo room.

was down, the Falcon yould to leeward, the diver's hose part, and we would be a feet and we Meanwhile the storm in reased in fury. At 3 o'clock next morning, when a liber man on the hottom beyond all help. In addition, the alternating precion on the diver as the waves over him will burst libe search sailer who manned the local divided his ability to lear me out doubted his ability to l



and then Michaels is gone. Monda Eadie telephones up. "Send down a other?"

free. Michaels, released on that side. buoyed up by the air in his suit, but he still is caught on the port side. Eadle slides down there to clear him. seems to rise to an erect position. should lose his balance the helinet also will fill and he will drown.

Carefully Eadie gathers in a little slack and frees Michaels' air hose of the wreckage, then elimbs back over the broken steel to the S-4's deck.

Michaels is swaying unsteadily, his air hose caught in Eadie's, Eadie clears his own and releases Michaels, and is being done." But we on the surface. Then

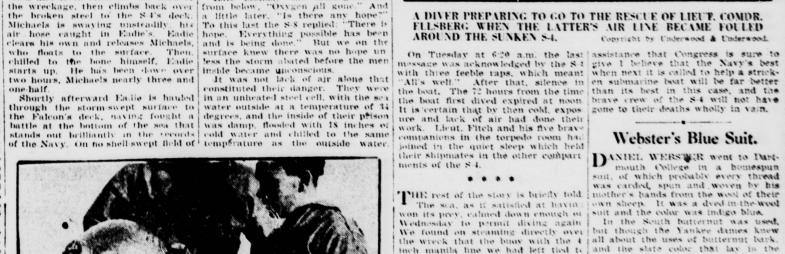
strain will cause them to cut the hose, partment would be gone by 6 p.m. and then Michaels is gone. Monday. Could we give them an

Eadie telephones up, "Send down a hacksaw," A few minutes later a hacksaw," tied to a shackle, slides down his own air hose and bumps his diving helmet.

Eadie stoops over the prostrate diver and forces his lamp into Michaels' free hand. "Here, Mike! Hold the lamp foreme!" But Michaels is unconscious and his nerveless fingers do not act. Eadie props the light against the gun, leans into the S4's death wound and starts to say. Ight against the gun, leans into the S4's death wound and starts to saw away the twisted plates holding Michaels' line.

IT is slow work. He must be careful not to break the fragile blade. He works an hour, and at last the stadies cut. Gingerly he lifts the air lose free. Michaels, released on that side.

A sharp edge somewhere catches his suit and cuts a gash in it. Inguestia and consequently had opened the inside valse we could supply air through it by attaching air hoses in place of the subshould lose his balance the helmet also will fill and he will drown





A CLOSE-UP OF ONE OF THE DIVERS MAKING READY TO ENTER

battle has a harder or more couras! They were without heavy clothing and dennyhile the storm in reased in water which came through before they easier job than that of raising the

what he pleased. There was no red tape, no delay in granting him what he asked.

I am no longer of the Navy and owe it nothing except a deep sense of obli-gation for an invaluable training and a chance to serve my country. But I know the men, both officers and div-ers, whom it sent to this task, and there does not exist in any walk of life in our country another group of men who have had the experience or who have equal ability with these men for the task confronting them. Nor was there available on December 18, 1927, anywhere in the United States naterial better suited to the job than that which the Navy sent to the scene. The Navy did its best. Its best was better than any one else could have done on this job, and the country may rest assured that its naval of-ficers and men are neither bungling amateurs nor swallowed in a sea of

BUT it is ridiculous to say that the Navy cannot do better. As in the development of every other branch of industry which has profited by disc asters, the Navy has learned through turret explosions to build better battle-ships, through boiler explosions to design better boilers, and it will learn from submarine disasters to build safer submarines and provide better means for saving their crews and salvaging them when necessary. In my mind, this will lead along the lines of providing separate salvage air connections to each compartment, special escape locks for the crew at each end of the boat as well as in the conning tower, the provision of small lifting eves along each side of the submarine so that pontoons may be quickly at-tached without the necessity of tun-neling under the boat; the provision at central locations in each area of submarine operations of a complete set of pontoons and a salvage ship for handling them, the assignment of sufficient vessels like the Falcon, which shall be free from other duties to train and drill their crews for the rapid handling of pontoons and the prompt execution of rescue diving work and the re-establishment at Newport of the deep-sea diving school, so



DIVER PREPARING TO GO TO THE RESCUE OF LIEUT, COMDR. FLISHERG WHEN THE LATTER'S AIR LINE RECAME FOLLED Copyright by Underwood & Underwood.

their shipmates in the other compart DANIEL WERSWER went to Dark-

on the other side. Because they could could find nothing. Chief Boatswain Hawes of the Fukon grappled something shortly after noon, and Diver Hurd, going down on the line, found himself on the submarine. Carr followed and carried a descending line forward, and, going down on this. Eiben and Wilson soon connected in air lines to this to his against the fact has not been made of record. see only a few feet and walking in the soft mud was slow, the divers could find nothing. Chief Boatswain air lines to the S.C tube and we start ed to pump air into the torpedo room. It was much too late, we knew.

The remainder of the history of the S 4 will be that of a salvage opera-

Webster's Blue Suit.

ments of the S4.

THE rest of the story is briefly told.

The rest of the story is briefly told. The rest of the story is briefly fold; mother's panels from the word of their won its prey, calmed down enough or Wednesday to permit diving again. We found on steaming directly over the wreck that the buoy with the 4 inch manila line we had left tied to the conning tower rail was missing the conning tower rail was missing the control of the conning tower rail was missing the control of the conning tower rail was missing the control of the conning tower rail was missing the control of the conning tower rail was missing the control of the conning tower rail was missing the control of t inch manila line we had left tied to the conning tower rail was missing. We picked it up a short distance away, the line frayed and cut in half where the rolling sea had chafed it across the wreckage. The air hose which carr had attached to the counting lower seemed to be in place, but it also was found to be cut off at the bottom as if with a sharp knife. We bottom as if with a sharp knife. We corner of every kitchen in that testion. also was found to be bottom as if with a sharp knife. We bottom as if with a sharp knife. We bottom of every kitchen in budge tegion.

So Webster was fitted out in budge.

Anchored as nearly in position as the could judge, we put divers down on side of the Falcon, while small coars dragged with grappling hooks on the other side. Because they could not the other side. Because they could come only a few feet and walking in

Nativity of Corn.

CORN, generally believed to have originated in South America, has been found growing in China; but the Chinese corn is of a unique species and it is not a native of the Chinese region in which it was discovered. Researches show that it must have

W. INGRAM, A FORMER NAVY DIVER RECALLED TO SERVICE BY THE S4 DISASTER, PREPAR. TO EXAMINE THE SUNKEN SEL. HE WAS THE FIRST DIVER TO VISIT THE SELAT THE PIME OF THAT DISASTER.