



Official U. S. Navy photograph

WEATHER EYE is kept by CPO Howlett on youngest member of 143 monkeys flown to U.S. from Philippines.

Light Conversation

Aladdin's lamp had to be rubbed but one has been developed for the Navy you can talk to—and it talks back.

Infra-red radiations, invisible to the unaided eye, by means of the new device permit two-way conversations secure against "jamming," eaves-dropping and static, the Navy has revealed. Dr. Norman C. Beese of Westinghouse Electric Corp., designer of the lamp, calls the new communications system "beam-casting." The newspapers have identified it as a "talking lamp." Engineers in the

Electronics Division of the Bureau of Ships prefer to speak of it as voice-modulated infra-red.

Dub it "lookie-talkie" if you like, the lamp appears adaptable to many uses in both peace and war. The Navy had planned to use it in convoy and troop-landing operations. Although the lamp has never been installed in aircraft, plane-to-plane conversations of pilots flying in radio "blackout" may some day become possible.

Development came just too late for combat use in World War II. A quantity of one type of lamp had been manufactured by V-J Day, but auxiliary equipment could not be delivered in time.

In shipboard installations the lamp will be mounted in a parabolic reflector similar to that of a searchlight. Words spoken into a microphone in the pilothouse or beside the lamp alternately dim and brighten its infra-red emanations thousands of times a second. The receiving instrument, a photo-electric cell mounted in another parabolic reflector, picks up the infra-red rays. They are converted and amplified into a reproduction of the human voice.

The unseen radiations are generated by a metal seldom used in lamps—cesium. In addition to its efficiency as a generator of infra-red rays, cesium possesses extremely low visibility, minimizing need for a filter and precluding leakage of visible light.

"Jamming" is a very feeble possibility, and would require a "shutter" device within the limited 25-degree beam. Eavesdroppers must be within the narrow beam spread.

BuShips says that bad weather handicaps infra-red broadcasts in the same way that it does visual signals and "black light" signals. This last named communication method was described in an earlier article. (ALL HANDS, June 1946, p. 34).



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FLEET ADMIRAL NIMITZ autographs envelope for Navy Day mailing from carrier FDR for Ross Murphree, St.

Admiral Woesche Dies

Admiral Russell R. Woesche, USCG (Ret), wartime head of the Coast Guard, died 17 October in the Naval Hospital, Bethesda, Md. He was 60.

Admiral Woesche, the Coast Guard's first four-star officer, was commandant from 14 June 1936 until his retirement 31 Dec 1945. After his retirement he was named by President Truman as one of the 10 top war leaders to form an "elder statesmen's" advisory group on national defense.

He was decorated by SecNav James Forrestal on 14 January of this year with the Distinguished Service Medal for his service as Coast Guard commandant.

Admiral Woesche leaves his widow and four sons. The sons are Cdr. R. R. Woesche Jr., USCG; Lt. Col. Harry Lee Woesche, AAF; Ens. James H. Woesche, USCG, and a younger son, William R. Woesche.

New CEC Magazine

First issue of a new magazine, the Civil Engineer Corps Bulletin, will be distributed next month. The magazine's purpose is to assist in the training of Naval Reserve CEC officers, but the publication will be distributed to CEC officers on active duty as well.

The 28-page monthly will include technical articles by officers of the Bureau of Yards and Docks and by qualified civilians, illustrated extensively with explanatory drawings and photographs. It will cover all phases of CEC activity, and will watch especially new developments, to carry out its Reserve training mission. The magazine also will include personnel notes to assist Reserve CEC officers in keeping track of their active service acquaintances.

The magazine will be coordinated with the CEC Reserve training program now being formulated.

IS BUTCH UGLIEST DOG IN NAVY?

Ugliest pooch in the Navy!

That's the claim of the men of USS *Darby* (DE 218) for their ship's mascot, Butch. Butch's portrait lends authority to their statement.

Butch is an English bulldog, one and a-half years old. He has, as the *Darby* hands put it, "a very congenial disposition behind that (ugh) face (groan)."

Butch's duties are primarily that of assistant to the gangway petty officer, and he holds his station at the quarterdeck nearly all of the time in port. But when another ship comes alongside or stores are being loaded, Butch feels he must relinquish his gangway watch to assume supervisory duties over those operations.

Butch has collateral duties on movie and mail trips, and he also sees to it that the signalmen make colors on time—sort of an exec with teeth, you might say.

Like most sailors, Butch has a shipboard nickname. He is known as "The Face."



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THE FACE, also known as "Butch," is mascot of the USS *Darby* (DE 218) and assists the ship's gangway PO.