

15¢



SCIENCE NEWS LETTER

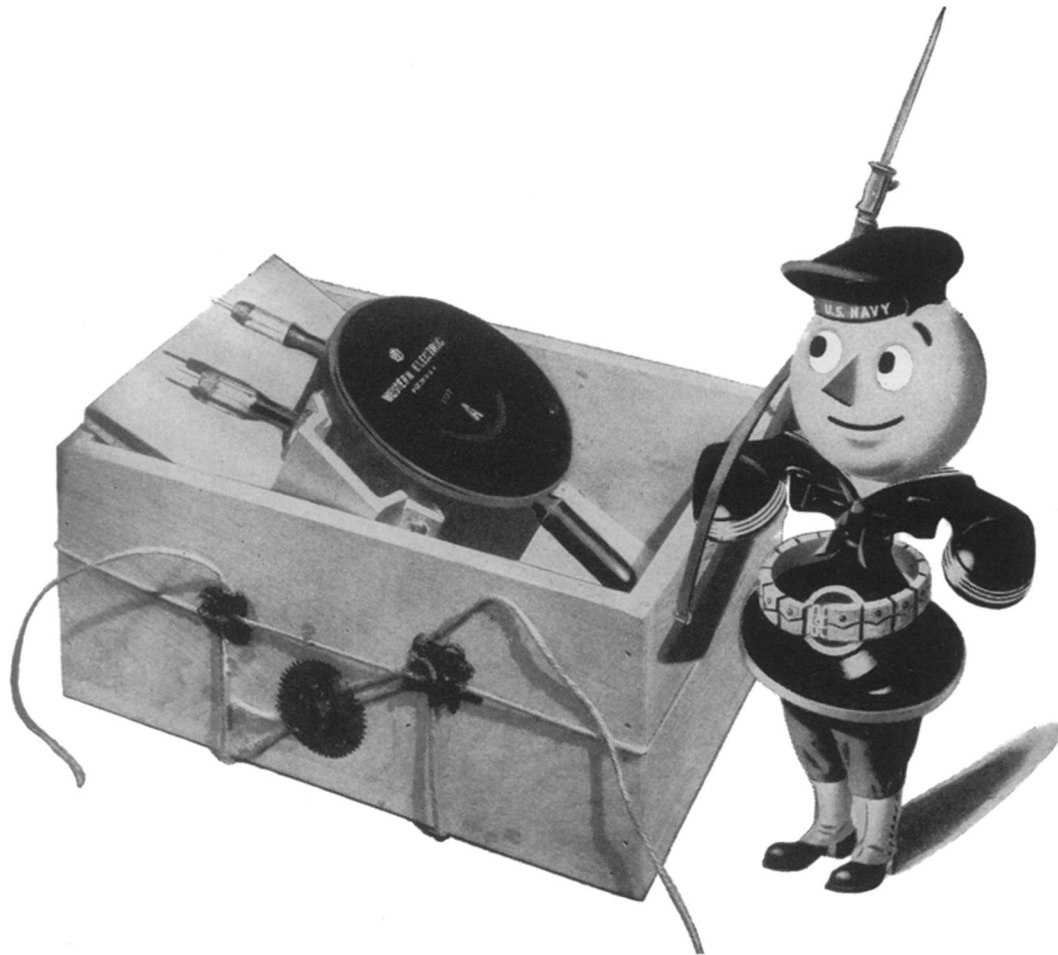


THE WEEKLY SUMMARY OF CURRENT SCIENCE • OCTOBER 13, 1945



Eye Test
See Page 227

A SCIENCE SERVICE PUBLICATION



VICTORY REVEALS A MYSTERY

More than two years ago, an engineer of the Laboratories visited *U.S.S. Boise*, returned with a mysterious box which went into the Laboratories' vault. Now, victory opens the box and discloses a special kind of electron tube called a magnetron. It was part of a Radar which furnished data to aim *U.S.S. Boise's* guns during the night action off Savo Island on October 11-12, 1942. Because of the high frequency generated by this magnetron, the Radar was not detected by the enemy and the action was a complete surprise. Six Japanese warships were sent to the bottom of the sea.

This magnetron is a symbol of the Laboratories' enormous war program. Half of it was devoted

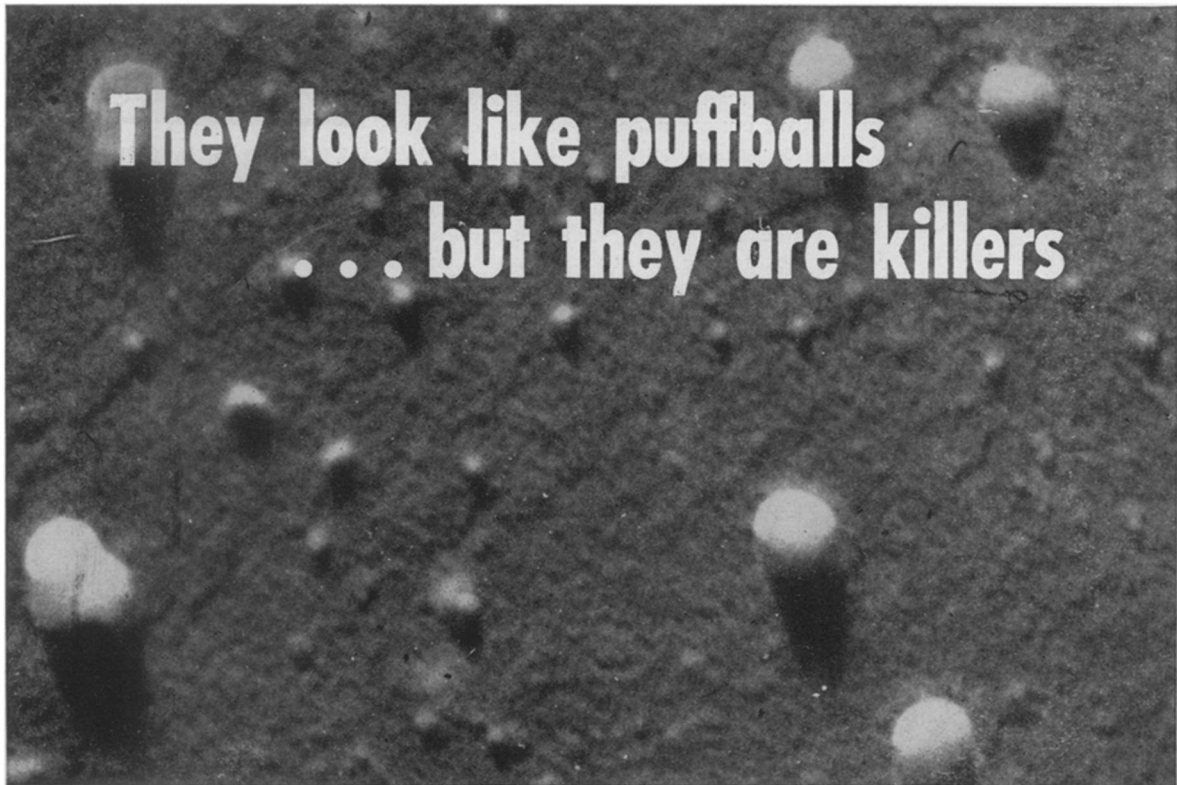
to Radar, the other half gave birth to radio transmitters and receivers, sonar apparatus for the Navy, loudspeaker systems for ships and beachheads, fire-control apparatus for anti-aircraft artillery. Coming months will unfold the story of these and many other contributions of the Laboratories to the victory of our arms.

Bell Telephone Laboratories' war work began before the war; until now, it claimed practically all our attention. With victory, we will go back to our regular job — helping to bring you the world's finest telephone service.

BELL TELEPHONE LABORATORIES

Exploring and inventing, devising and perfecting, for continued improvements and economies in telephone service





Influenza Virus X 110,000, as seen with the RCA Electron Microscope

TO those who remember the deadly epidemic of influenza that followed World War I, this picture has a dread significance...for these innocent-appearing bits of woolly blobs are actually influenza-virus particles magnified 110,000 times. This remarkable electron micrograph was made by Dr. Ralph W. G. Wyckoff and Dr. Robley C. Williams at the University of Michigan.



The high magnification, extreme resolution, and great depth of focus, attainable with the RCA Electron Microscope, are very skillfully utilized in this truly unusual picture.

RCA technicians will be glad to discuss with interested parties the possibilities of the RCA Electron Microscope in any contemplated application. We invite your inquiry.



RADIO CORPORATION OF AMERICA

RCA VICTOR DIVISION • CAMDEN, N. J.

In Canada, RCA VICTOR COMPANY LIMITED, Montreal