

15¢



# SCIENCE NEWS LETTER



THE WEEKLY SUMMARY OF CURRENT SCIENCE • MARCH 17, 1945



Scientists of Tomorrow

See Page 163

A SCIENCE SERVICE PUBLICATION



RCA Laboratories model with an 18 by 24-inch screen showing how Bob Hope may appear on future home television.

### ***New Projection Television - Bob Hope's face "big as life"***

Can you picture Bob Hope on television . . . seeing his face *big as life*—right in your own living room?

Well, you will—for now, thanks to RCA research, all limitations on the size of home television screens have been removed.

RCA Projection Television sets can have 18 by 24-inch pictures, or for that matter, pictures as large as the screen in a "movie" theater!

When you tune in an NBC television broadcast you'll almost think the actors are in the same room with you—and trust NBC, America's No. 1 network in sound broadcasting, to bring you the best in television entertainment.

This revolutionary improvement was achieved in RCA Laboratories by development of an entirely new reflector and lens, shown in phantom above. This lens, of inex-

pensive plastic, is 8 times as efficient for the purpose as the finest optical lens.

When you buy an RCA radio, phonograph or television receiver—or any other RCA product—you receive the benefit of the latest research development of RCA Laboratories. It is this *plus value* which is your assurance of lasting satisfaction.

The widespread public recognition of this plus value has given to RCA world leadership in the radio, phonograph, television and electronic art.



**Dr. D. W. Epstein** with a projection television tube, reflector and lens unit. Here the image on the end of the tube hits the reflector, is corrected by the lens, projected to the screen, then enlarged . . . making possible larger and clearer television than ever before.

**RADIO CORPORATION of AMERICA**

PIONEERS IN PROGRESS



# A MODERN SYLLOGISM

---

## MAJOR PREMISE:

Bell Telephone System serves the American Public.



## MINOR PREMISE:

Bell Telephone Laboratories develop the facilities of the Bell System.



## CONCLUSION:

Therefore, Bell Laboratories serve the American Public.



And that is the *raison d'être* of the Laboratories. For the Bell Telephone System, the Laboratories carry on research studies in all the sciences and development work in all the engineering arts that relate to electrical communication.

For the Western Electric Company, the manufacturing unit of the System, the Laboratories

develop equipment, prepare specifications, and engage in various engineering activities.

For the Armed Forces of the United States, under contracts of the Western Electric, the Laboratories have undertaken more than a thousand development projects — many with spectacular effect upon our enemies.



**BELL TELEPHONE LABORATORIES** *explore and invent, devise and perfect for our Armed Forces at war and for continued improvements and economies in telephone service.*