

15¢



SCIENCE NEWS LETTER



THE WEEKLY SUMMARY OF CURRENT SCIENCE • OCTOBER 14, 1944



Cameras In the Surgery

See Page 250

A SCIENCE SERVICE PUBLICATION



A WELCOME HAND TO BELL SYSTEM WAR VETERANS

Some day we shall have the pleasure of welcoming back to the Bell System the men and women who are now in the armed forces. They number more than 55,000. Some 3500 released from service are already back with us.

We shall have a warm welcome for the rest as they join us again. Not only shall we be glad to see them personally but we shall be glad of their skill and energy for the big tasks which face the Bell System in the future.

BELL TELEPHONE SYSTEM





25 Years that Created a New World of Radio 1919-1944

From 1919 to 1944 . . . RCA has pioneered in the science of radio and electronics . . . from world-wide wireless to national network and international short-wave broadcasting . . . from electron tubes to electron microscopes and radiothermics . . . from the hand-wound Victrola to the automatic radio-phonograph . . . from television to radar.

Twenty-five years of service to the nation and the public have made RCA a symbol of achieve-

ment and progress . . . RCA is a monogram of quality in radio-electronic instruments and dependability in communications throughout the world.

From the First World War to the Second, RCA developed and expanded its "know-how" in skilled engineering and production so vitally needed to meet the demands of war . . . these qualities will be reflected in the peacetime products of RCA.

RADIO CORPORATION OF AMERICA

30 ROCKEFELLER PLAZA, NEW YORK CITY

RCA LEADS THE WAY. . . In Radio . . . Television . . . Phonographs . . . Records . . . Tubes . . . Electronics

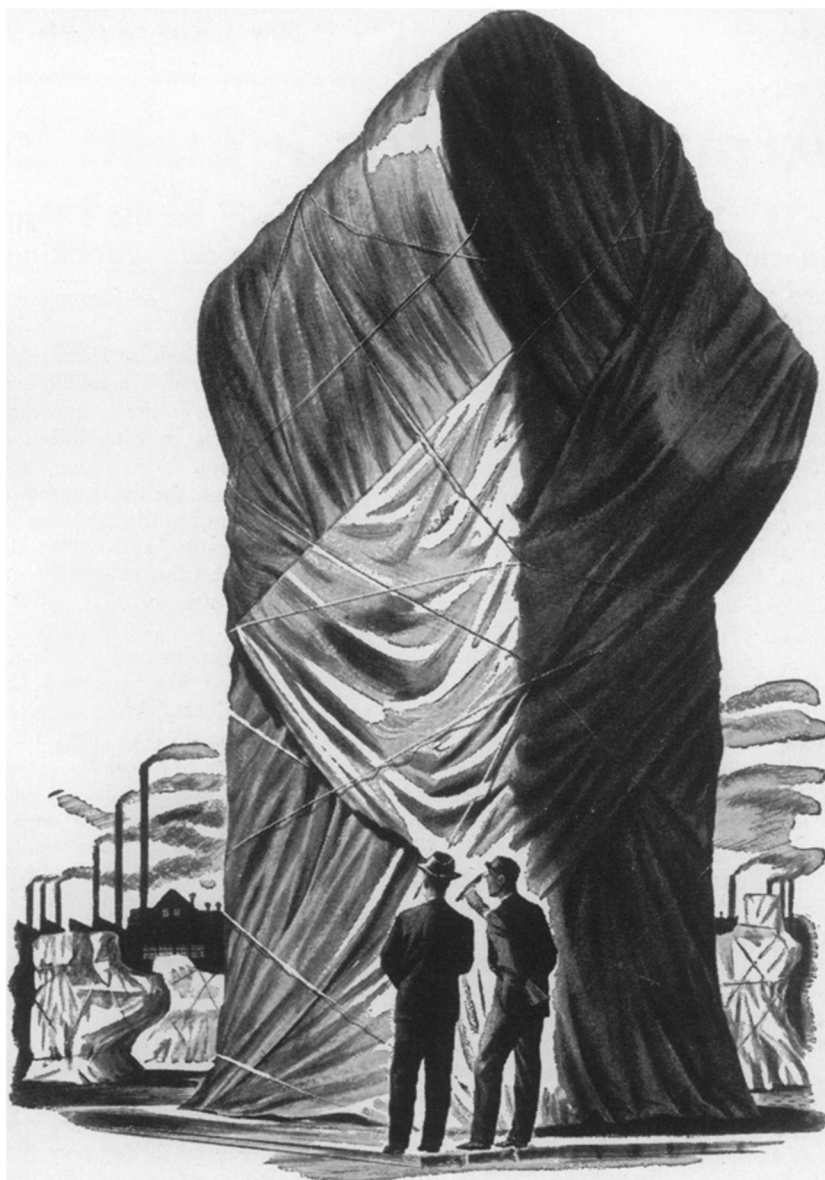


1919 1944

25 YEARS OF PROGRESS
IN
RADIO AND ELECTRONICS

THE SLEEPING GIANT

America's motorcar industry has been at war. When it gets back to making automobiles, a vast new opportunity for engine improvements will be waiting in the improved gasoline that will then be available.



HIGH ON THE LIST of things the average man wants after the war is a new automobile. But John Public looks forward to something more than just a *new* car—he wants a *better* car.

It is true that replacements for essential transportation may keep the automobile industry more than busy for quite awhile after the war. During this period revised versions of 1942 models may be all that are available. Once this phase of reconversion is over, there will be the problem of continuously rebuilding and replacing America's

automobile population—and again the problems of “creating” sales and customers in a competitive market. We can look forward to future engineering competition along the lines of the simple, time-honored, American method of making better and better cars.

Refinements in body design, new accessories and greater riding comfort will play their part. But the

most significant progress in motorcar design will depend—in the future, as in the past—upon the *development of engines that get more work from each gallon of gasoline.*

The basis for such progress already exists. It lies in the development of engines to fully utilize the greatly improved gasoline which the petroleum industry will be in a position to offer the public.

ETHYL CORPORATION

Chrysler Building, New York City

Manufacturer of Ethyl fluid, used by oil companies to improve the antiknock quality of aviation and motor gasoline.



Wartime progress by America's petroleum industry has paved the way for fundamental progress in post-war automobile engine design.