

Queen of Dirigibles Ready for U.S.

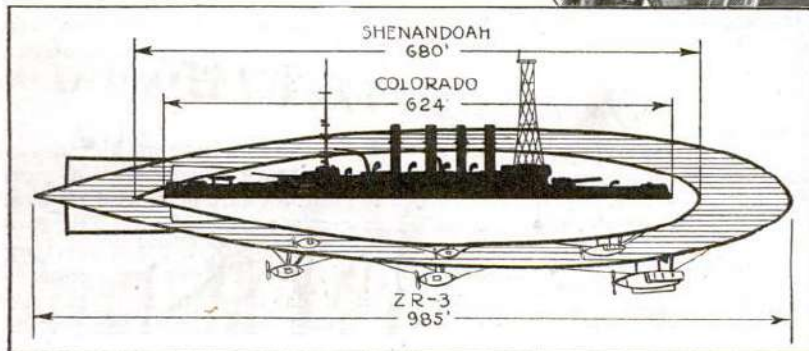
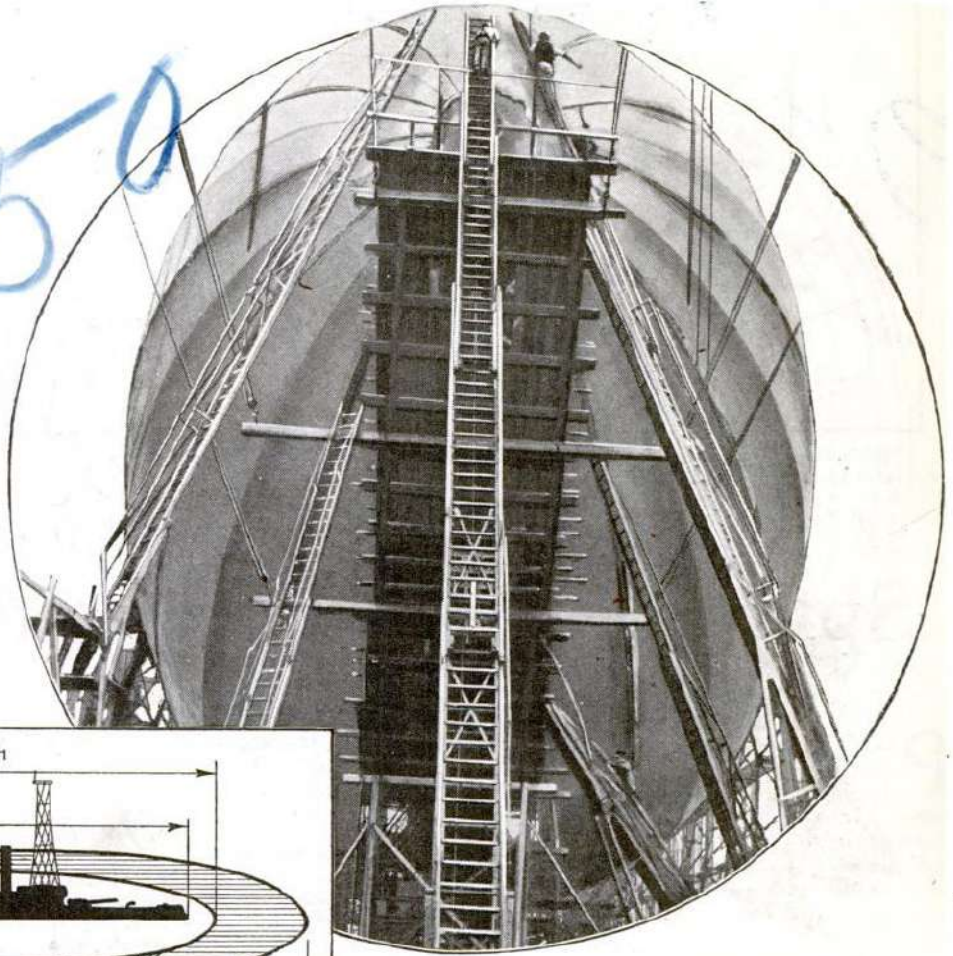
THE monster ZR-3, the United States naval dirigible now rapidly nearing completion at Friedrichshafen, Germany, birthplace of the Zeppelin, is to be sailed home across the Atlantic, some time this spring, by a picked crew of 30 men.

In every way this latest aerial giant overshadows the now famous dirigible *Shenandoah*, formerly the ZR-1. She is 985 feet long and 130 feet high, as compared with the 680-foot length and 96-foot height of the *Shenandoah*.

Her 400-horsepower, reversible Maybach motors will drive her 80 miles an hour. The top speed of the *Shenandoah* is 70 miles.

The tremendous hulks now being achieved by dirigible designers are demonstrated strikingly by contrasting the length of the ZR-3 with that of the battleship *Colorado*, the latest addition to the nation's first line battle fleet. The length of the *Colorado* is 624 feet—only about two-thirds as long as the world's mightiest airship.

The ZR-3 was scheduled to take the air for its first engine tests during the early part of April.



The world's greatest dirigible, the ZR-3, nearing completion for the United States Navy in its hangar at Friedrichshafen, Germany. The diagram at the left shows the huge bulk of the ZR-3 compared with the dirigible *Shenandoah* and Uncle Sam's greatest battleship, the *Colorado*.

Amundsen's Polar Flight To Be for Norway

WITH the indefinite postponement of official plans for the transpolar flight of the United States navy dirigible *Shenandoah*, interest is centering in the spectacular attempt of Captain Roald Amundsen and his Norwegian expedition to reach the North Pole and to discover uncharted territory in the Arctic by airplane during the coming summer.

A recent report that Captain Amundsen would recognize a claim by the United States to any new territory he might discover was met by an emphatic denial in a statement by Arne Kildal, official Norwegian press representative of the expedition in America.

"Captain Amundsen declares that he has in no way given his consent to any annexation of such for the benefit of the United States," the statement says, "and that the possession of all the land that he or his expedition may discover naturally will be taken in the name of his Majesty, the King of Norway."

The Amundsen expedition plans to start from Spitzbergen in June, to cross the polar regions, and return by way of Alaska. An American navy officer, Lieut. Ralph Eugene Davison, will be a member of the expedition.

How Much Science Do You Know?

IN THE simplest, most obvious, every-day happenings often lie hidden the most fascinating scientific facts, wholly unknown to you.

The knowledge of one apparently commonplace fact about the hidden forces of nature often becomes a skeleton key to open many doors of scientific understanding, that will stimulate your mind, give you confidence, and win the respect of others.

Read the dozen questions below. Answer them to the best of your ability. Then turn to page 143 and see how nearly you were right.

1. Why do you feel more active on a cold, bright day than on a damp, cloudy one?
2. How do we know that the regions around the North and South Poles once were warm?
3. Why does silver turn black when exposed for a long time to air?
4. Is there such a thing as invisible light?
5. What physical changes are caused by fear?
6. What causes a water mirage?
7. What is the remnant of a third eye inside our brain?
8. Why are white clothes cooler than black ones in the tropics?
9. How did scientists determine the earth's weight?
10. What poison is so strong that a spoonful could kill every one on earth?
11. How do gases, liquids, and solids differ?
12. Are hunches usually right?