

five days, whereas untreated branches in water began to wilt within two days and were badly wilted in three.

Good results were also obtained with tomato plants, trillium flowers and some kinds of roses.

The treatment consists essentially in placing the plants or flowers in water in a drier. Air is pumped out and is replaced in the plants and flower stems by water.

Best results, in general, were obtained with plant materials having large leaves and stems and large inferior ovaries capable of serving as reservoirs.

Science News Letter, October 6, 1945

AERONAUTICS

Model Plane Used As Antiaircraft Target

➤ A RADIO-controlled oversized model airplane, carrying no pilot or crew, is used by the Army as a target for anti-aircraft gunnery practice, it is now revealed. The 12-foot wingspan plane, powered with an eight-horse-power engine, cuts capers in the sky by radio control which finally stops the engine, opens a parachute and lowers the target safely to the earth.

When wanted for use, the small plane, with its engine wide open, is catapulted like a stone from a slingshot into the air, to be maneuvered by the radio apparatus into steep climbs and deep banks, travelling at about 125 miles an hour. When the gunnery practice is over, a switch is thrown on the remote control apparatus, causing a hatch on the top-side of the target plane to open, releasing a parachute by means of which the plane slowly descends.

The radio control is by ultra-high frequency carrier which is generated and modulated by five different audio frequencies. Of these five frequencies, four are selected by the stick on the control box on the ground and are used to effect guiding of the plane. The fifth holds the parachute in place for the eventual landing.

Science News Letter, October 6, 1945

CONSERVATION

Forest Conservation as an International Plan

➤ FOREST conservation and expansion under a plan for international collaboration is recommended in a recent report to the United Nations Interim Commission on Food and Agriculture by that body's technical committee on forestry and primary forest products, according to

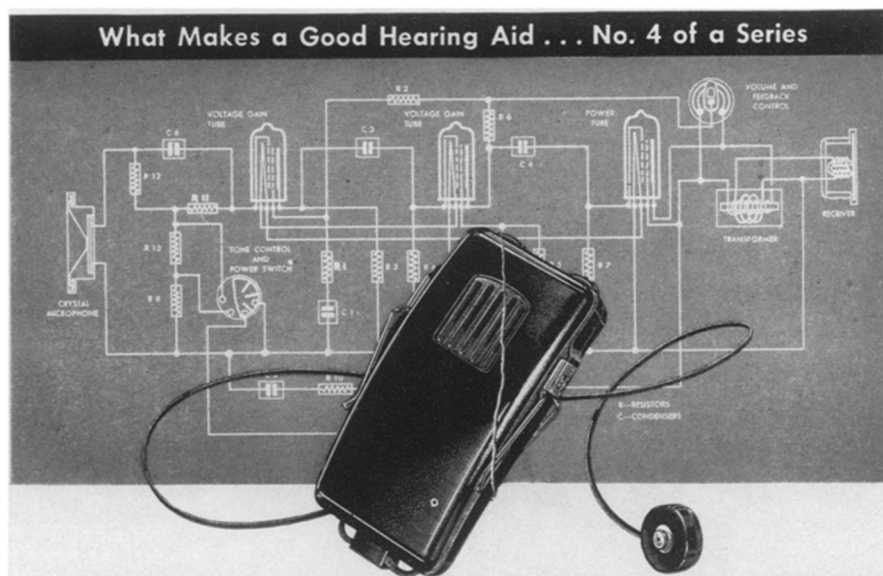
Lyle F. Watts, a member of the committee and chief of the U. S. Forest Service. Forest conservation is a critical world problem, and must be solved if the world's supply of wood is maintained, the report states, despite constantly shrinking supply and heavy demands.

"The world is confronted," says the report, "with the inescapable fact that the forests—sole source of wood—are steadily diminishing. . . . Today the world stands on the threshold of developments in the use of wood that may be as revolutionary as the invention of the steam engine or the introduction of technology to the farm."

The technical forestry committee making the report is headed by Dr. Henry S. Graves, former chief of the U. S. Forest Service and dean emeritus of the Yale School of Forestry. On it are representatives of Great Britain, Canada, Soviet Union, France, Norway, Brazil, Czechoslovakia, and China.

Science News Letter, October 6, 1945

Newly born *young whales* are astonishingly large in comparison with their mothers; a blue whale at birth is from 23 to 26 feet in length, approximately one-quarter the length of an adult.



STABILIZED FEEDBACK CIRCUIT

● A well-designed hearing aid should utilize a **Stabilized Feedback Circuit**, which has improved the quality of sound reproduction in long distance telephony and radio. Application of this principle to hearing aids should provide these performance advantages:—

1. **Improved frequency response**—Stabilized Feedback helps to give uniform, or "flat" amplification, to deliver more of the tones and overtones that lend color and definition to sound.
2. **More powerful amplification**—A higher level of amplification can be obtained without objectionable overload. More cases of hearing loss can be corrected.
3. **Reduced distortion**
4. **Reduced internal noise**

5. Quieter control operation

6. **Longer electron tube life**—Stabilized Feedback compensates for changes in tube characteristics due to aging.

7. **Longer battery life**—Performance is maintained, as battery voltage declines—down to 1.0 volt and even less for the "A" battery; down to half the rated voltage of the "B" battery.

THE WESTERN ELECTRIC was the first hearing aid that successfully utilized the Stabilized Feedback Circuit, which was introduced originally by Bell Telephone Laboratories. And the new Western Electric Model 63 provides the latest application of Stabilized Feedback in a hearing aid of advanced design.

THIS SERIES, BASED UPON RESEARCH CONDUCTED BY BELL TELEPHONE LABORATORIES IS PUBLISHED IN THE INTEREST OF THE HARD OF HEARING AND THEIR PHYSICIANS

Western Electric Hearing Aids

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