

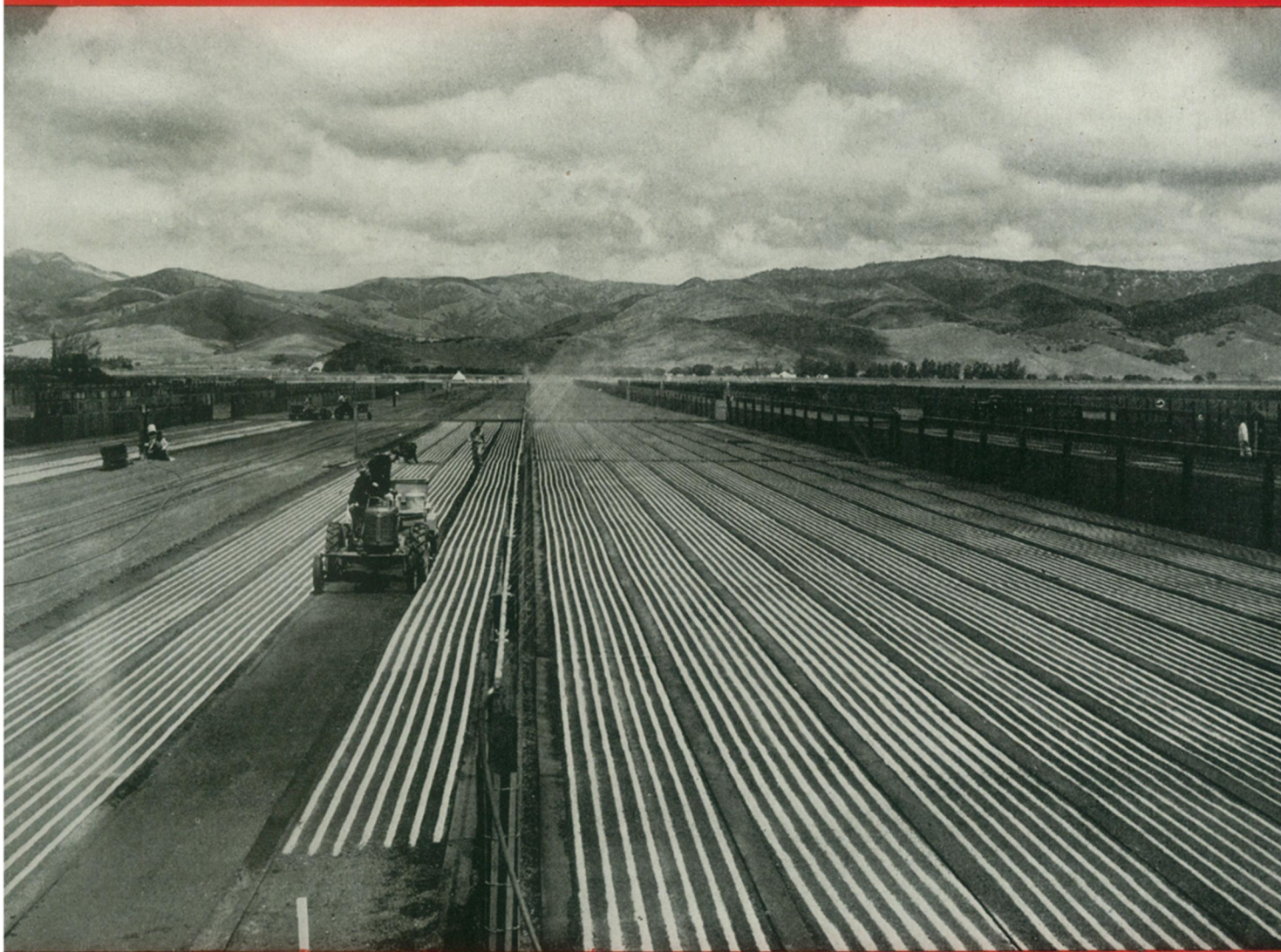
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# SCIENCE NEWS LETTER



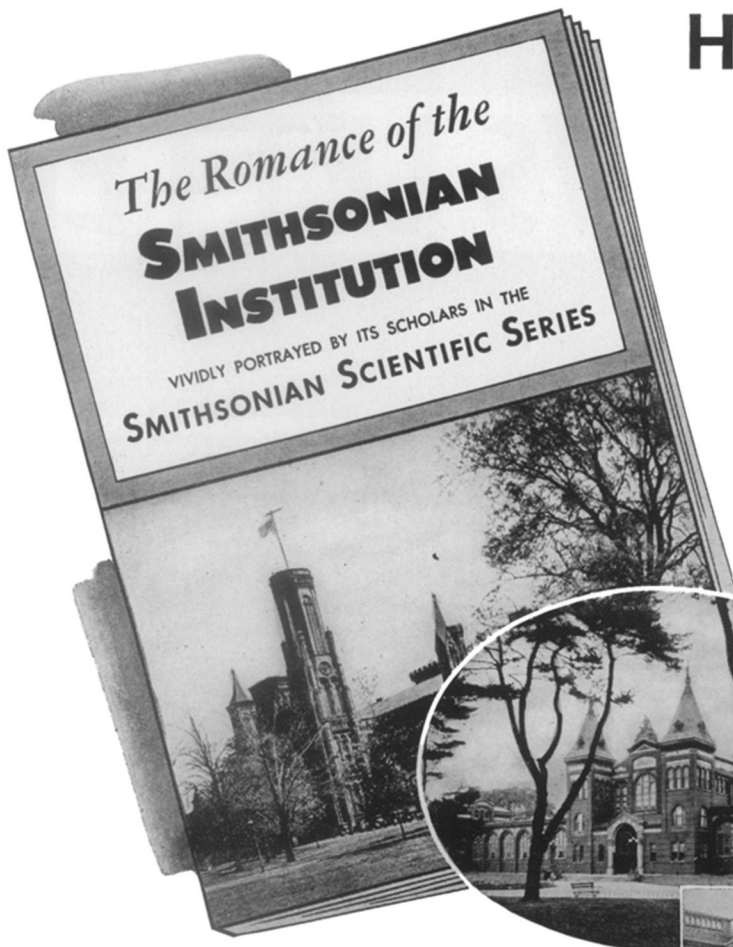
THE WEEKLY SUMMARY OF CURRENT SCIENCE • MAY 20, 1944



For Emergency Rubber  
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A SCIENCE SERVICE PUBLICATION





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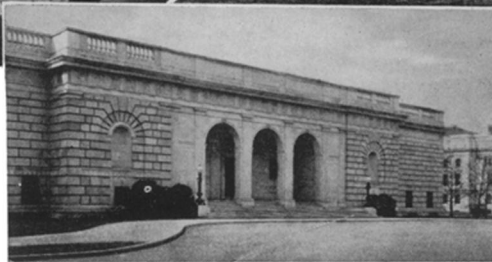
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(S.N.I. 5-20-44)

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Contains 3 packets of seeds of medicinal plants, one large nux vomica seed, three packets of condiment plant seeds, 7 exhibit legend cards and an 8-page Members' Bulletin which tells how to grow these plants, describes the use and characteristics of each, and suggests experiments and research.

## TREATED WOOD AND CLOTH UNIT (No. 6020)

Contains 4 specimens of wood, 2 swatches of cloth, 3 gummed photographs, and the 5 exhibit legend cards for them. The 7-page Members' Bulletin tells how the specimens demonstrate advances of chemistry in combatting the destruction of wood by decay and termites, and of wood and cloth by fire. 3 experiments are suggested.

## PLANT HORMONE UNIT (No. 6021)

Contains samples of Hormodin, the substance that induces roots to grow on plant cuttings, and of Parachlorophenoxyacetic Acid, the substance that stimulates unfertilized flowers to produce seedless fruits, induces leaf modification, and "setting". The 5-page Members' Bulletin gives instructions for 6 experiments on roses, on tomato, cucumber, squash and other plants.

## SULFUR UNIT (No. 6022)

Contains specimens of Sphalerite, Sulfur-bearing Limestone, Pyrites, Crude Sulfur and Flowers of Sulfur, 5 exhibit legend cards to go with them, and an 8-page Members' Bulletin which tells the uses of sulfur. 12 experiments, also, are outlined, to give a better understanding of this substance, the basis of many war materials.

## UNUSUAL FABRICS UNIT (No. 6023)

Contains 7 specimens of plasticized cellulose-coated fabric, redwood bark fiber useful as a "wool" admixture, a cloth-like material made without weaving, a fabric laminated with acetate membrane, and a woven plastic substitute for leather. There are 5 exhibit legend cards and a 5-page Members' Bulletin of explanation which also describes 3 experiments.

## LODESTONE MAGNETIC UNIT (No. 6030)

Contains a large nugget of lodestone (magnetite) from Arkansas, a compass card, package of iron filings, two fine steel English needles, an iron nail and an exhibit legend card. The 8-page Members' Bulletin includes 17 illustrations, outlines 26 experiments. If you really want to see some of the effects that magnetism produces, you will send for this unit.

## OIL SEED UNIT (No. 6031)

Contains 4 packages of oil-producing seeds, safflower, linseed, cottonseed and soybeans, with legend card for each. The 5-page Members' Bulletin gives data on each species, telling the value of each in vegetable oils, and why such oils have become nationally important since the war. 4 experiments are suggested.

## RAYON UNIT (No. 6034)

Contains 5 specimens, linters, loose and sheet form pulp, auto tire cord, lining fabric—all relating to rayon, with 5 exhibit legend cards for them. They show the first steps in making rayon, with examples of 2 of the rayon products used in our war effort. The 4-page Members' Bulletin tells about the exhibits and gives 4 experiments to be performed with them.

## GLASS FIBER UNIT (No. 6040)

Contains 6 envelopes, each enclosing a skein of basic fiber made of glass. The 6 exhibit legend cards are so arranged that the fiber samples can be affixed to them. The 4-page Members' Bulletin offers information on manufacture and uses of glass fiber, properties and 5 experiments that reveal them, and probable future uses.

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