

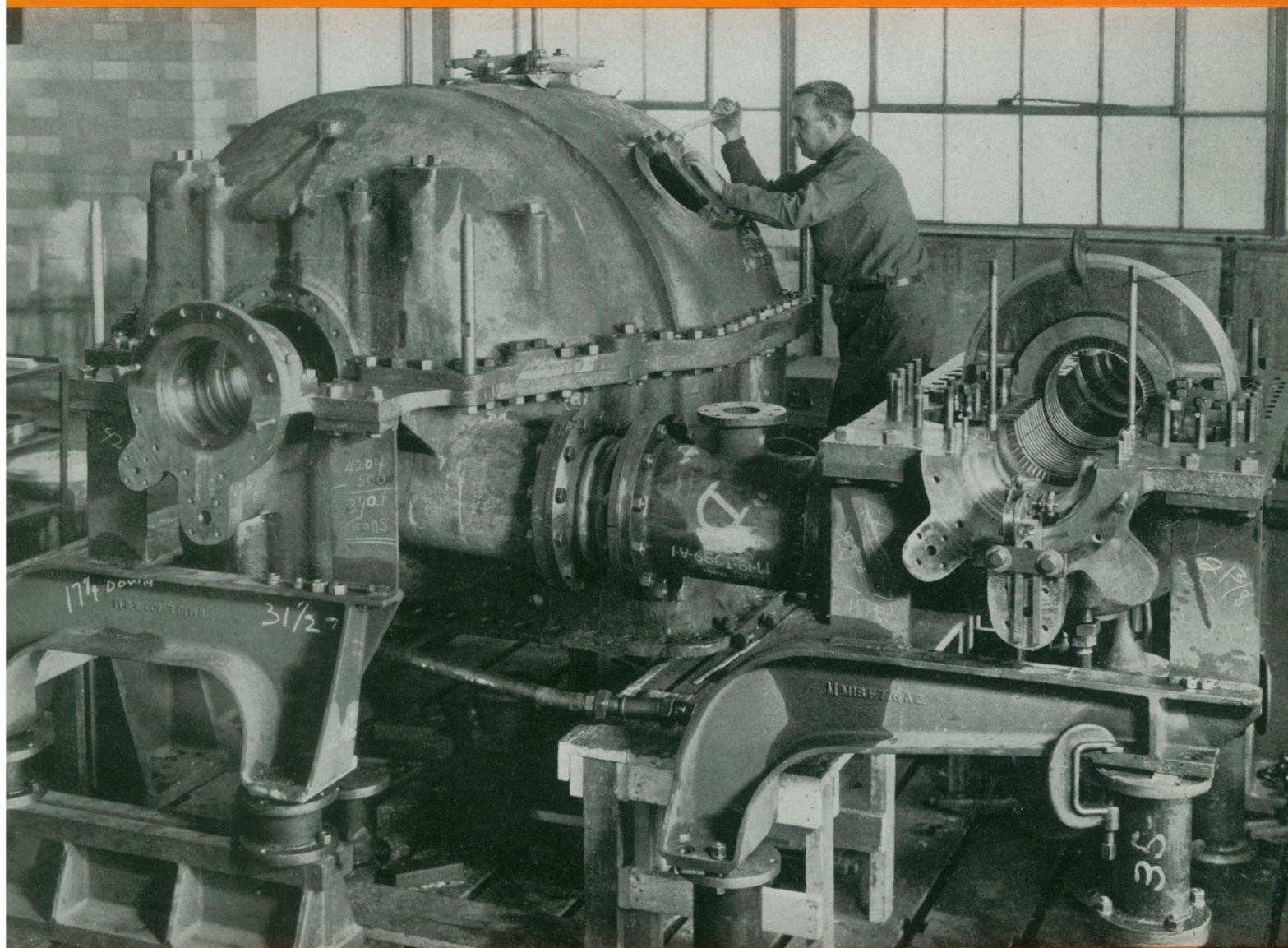
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SCIENCE NEWS LETTER



THE WEEKLY SUMMARY OF CURRENT SCIENCE • MAY 29, 1943



For Power

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A SCIENCE SERVICE PUBLICATION

Do You Know?

A good milch *goat* will give 1,500 quarts of milk a year.

Forest lands in the United States are equivalent to nearly five acres per person.

The summer *drought* just ended in Argentina is reported to have been one of the worst experienced in 50 years.

Oil shales in the United States contain an estimated 144 billion barrels of oil, two-thirds of which can be recovered.

A pliable, transparent, water-proof plastic material forms a *cover-slip* for Garand rifles during landing operations of troops.

Puerto Rico, partly isolated by war conditions, has increased its production of agricultural food products by 26% over pre-war levels.

More than a thousand acres of idle wasteland in New York State were planted this year by 4-H club members with over a million *forest-tree seedlings*.

A new fungicide called *fermate*, ferric dimethyl dithiocarbamate, promises to be satisfactory for several agricultural purposes, including control of the downy mildew of tobacco.

The term *glass*, formerly applied only to soda-lime or potash-lead silicates, is now extended to include borates, phosphates, and synthetic resins of various degrees of transparency.

Question Box

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ASTRONOMY

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What planet can be seen in daylight during early June? p. 346.

BACTERIOLOGY

What was discovered about the structure of the syphilis germ through examination with the electron microscope? p. 344.

CHEMISTRY

What new purposes may be served by the gluten from wheat? p. 345.

DENTISTRY—NUTRITION

How can tooth decay be prevented? p. 339.

GEOGRAPHY

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What general rules are there for the pronunciation of Italian place names? p. 343.

MEDICINE

What new protection against war gases has been developed? p. 345.

What percentage of America's war wounded are recovering from their wounds? p. 343.

NUTRITION

To what extent may the thiamin content of wheat be affected by weather? p. 344.

What food requirements will be filled by the new yeast food just developed in England? p. 345.

What is lost from potatoes if they are mashed and allowed to stand? p. 344.

What new cereals have been developed for the Army? p. 340.

What new item has been added to the menu of dehydrated foods? p. 340.

PHARMACY

What difficulty has held up the quantity production of penicillin? p. 341.

PSYCHOLOGY

How does mongoloid mental deficiency differ from some other types? p. 344.

How have psychologists acted in defense of their colleague, Dr. Goodwin Watson? p. 341.

What lies behind a German soldier's surrender, according to a German psychologist? p. 342.

Where is a cure for gun-shyness being sought? p. 342.

PUBLIC HEALTH

What is Washington, D. C., doing to prevent spread of malaria in the nation's capital? p. 349.

RESOURCES

For what is the switch of a cow's tail used by the Army and Navy? p. 344.

Most articles which appear in SCIENCE NEWS LETTER are based on communications to Science Service, or on papers before meetings. Where published sources are used they are referred to in the article.

Delivery of five merchant *ships* a day has now become routine, according to the U. S. Maritime Commission.

Methane gas, known also as firedamp, is most abundant in the coal seams east of the Mississippi River; it runs from 90% to 99% pure.

In an *egg-laying* contest held in New York State, a hen of the Rhode Island Red breed laid an egg a day for the six months ended March 31 this year.

For interior *painting*, America prefers colors of cream, ivory and buff families; these tones constitute 67% of all sales.

A practical substitute for *rubber* must be extensible, resilient, tough, resistant to drying, little affected by climatic temperature changes, and waterproof.

Acid para *fuchsin*, organic dye brilliant red in a neutral or acid solution, can be used to detect the rare metal palladium in the presence of most any other metal.

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