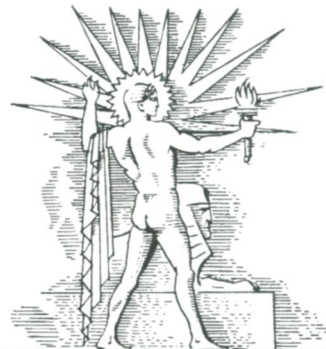
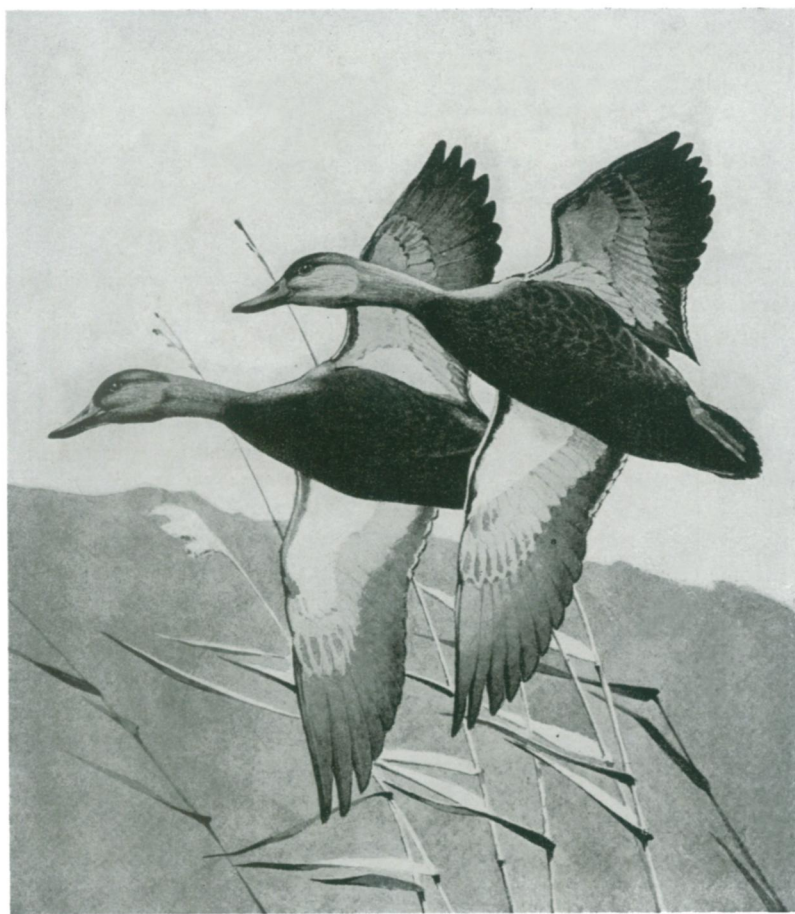


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# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE •



March 30, 1940

Hunter's Credential

See Page 201

A S C I E N C E S E R V I C E P U B L I C A T I O N

## Do You Know?

Neither *riddles* nor proverbs were common among America's Indians.

Dusting and hanging curtains are good stretching *exercises*—if not done too suddenly.

Australia's *industries* are too much concentrated at the seaboard, in the opinion of some defense critics.

Crude *oil* from oil wells is the source of about 450 types and grades of greases, asphalts, oils and other products.

The center of *population* is now near Linton, Indiana, but is expected to shift southwestward, when 1940 census figures are in.

The Mongolian city of *Karakorum* was so important a medieval political center that it has been called a thirteenth century Rome.

*Projectiles* used by Britain range from machine gun bullets weighing an ounce and a quarter up to 2,000-pound shells for 16-inch naval guns.

A type of small tropical *cockroach* is reported hitchhiking its way north in motorists' luggage, and has reached homes as far north as Illinois and Nebraska.

War machines have changed, says a U. S. Army Major, but not *tactics*, and he adds: "There is little difference, except in speed and strength, between Hannibal's elephants and the modern tank."

## QUESTIONS DISCUSSED IN THIS ISSUE

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.

### AERONAUTICS

How much does the new light aviation engine weigh per horsepower? p. 195.

### ASTRONOMY

Is the earth an accurate timepiece? p. 201.

Where in the United States is the best view of the April eclipse obtainable? p. 204.

### CONSERVATION

How long has the Wyoming coal fire been burning? p. 195.

### DENTISTRY

What is the best battle technique to employ against tooth decay? p. 201.

### MATHEMATICS

What does the old Greek problem of trisecting an angle require? p. 200.

### MEDICINE

How many persons in the United States will require the heart remedy digitalis before they die? p. 198.

What new fatal disease has been found in the United States? p. 200.

What new remedy has been found for stomach ulcer? p. 197.

What test may show whether an operation has cured cancer? p. 199.

### PHYSICS

What causes magnetic storms? p. 207.

### POPULATION

What proportion of the World War military dead were under thirty years of age? p. 200.

### PUBLIC HEALTH

What are the eight most deadly of children's diseases? p. 201.

What effect has sunshine on the incidence of cancer? p. 198.

Why is yellow fever a possibility in the United States? p. 200.

What other animal is infected with rabbit fever? p. 200.

### WILDLIFE

How do wood ducks build their nests? p. 196.

What use has been found for emptied-out strip mines? p. 197.

The United States had a \$2,000,000,000 *chemical* industry before the World War broke out in 1914.

American folk-lore note: waffle-like markings on ice cream *cones* are a survival from the first cone, which was a waffle rolled up to hold an ice cream ball.

Home economists say that an *egg* that is not cooled quickly and handled carefully may become stale in a day or two, whereas an egg properly handled and stored may keep "fresh" qualities after several months of storage.

Three new commercial varieties of *blueberries* developed by a Government scientist are now available to nurserymen.

*Jade* gets its name from the Spanish "ijada" meaning colic-stone, because jade was once supposed to have medical values.

A physician says that when a woman died of a "broken heart" in Queen Elizabeth's day, blame really was due to too-tight *garments* which pressed on the liver, causing impairment of the blood and chlorosis, or "green anemia."

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# National Association of

Forty-seven members of RCA among 572 industrial engineers and scientists given awards as "Modern Pioneers on American Frontiers of Industry."



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We wish to add our own congratulations to the public recognition these men have already received. And, in addition, we extend equally warm congratulations to the many other RCA engineers and scientists whose brilliant work is contributing so much to the progress of their industry.

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# Manufacturers Honors RCA Scientists

Of the 572 industrial engineers and scientists chosen by the National Association of Manufacturers to receive awards as "Modern Pioneers on American Frontiers of Industry," forty-seven were members of the RCA organization. The awards were given for original research and inventions which have "contributed most to the creation of new jobs, new

industries, new goods and services, and a higher standard of living."

Special national awards were given by the National Association of Manufacturers to nineteen of those receiving honors. Dr. Vladimir K. Zworykin of the RCA Manufacturing Company was chosen to receive one of these national awards.

## *47 RCA "Modern Pioneers on American Frontiers of Industry"*

Randall Clarence Ballard	Glenn Leslie Dimmick	Humboldt W. Leverenz	Terry M. Shrader
Max Carter Batsel	James L. Finch	Nils Erik Lindenblad	Browder J. Thompson
Alda Vernon Bedford	Dudley E. Foster	Loris E. Mitchell	Harry C. Thompson
George Lisle Beers	Clarence Weston Hansell	Gerrard Mountjoy	William Arthur Tolson
Harold H. Beverage	O. B. Hanson	Harry Ferdinand Olson	George L. Usselman
Rene Albert Braden	Ralph Shera Holmes	Richard R. Orth	Arthur Williams Vance
George Harold Brown	Harley A. Iams	Harold O. Peterson	Arthur F. Van Dyck
Irving F. Byrnes	Ray David Kell	Walter Van B. Roberts	Julius Weinberger
Wendell LaVerne Carlson	Edward Washburn Kellogg	George M. Rose, Jr.	Irving Wolff
Philip S. Carter	Winfield Rudolph Koch	Bernard Salzberg	Charles Jacob Young
Lewis Mason Clement	Fred H. Kroger	Otto H. Schade	Vladimir Kosma Zworykin
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