

THE SCIENTIFIC MONTHLY

EDITED BY J. McKEEN CATTELL

CONTENTS FOR MAY

- THE FAITH OF REVERENT SCIENCE. THE LATE PROF. WILLIAM MORRIS DAVIS.
ON THE ABILITY OF WARM-BLOODED ANIMALS TO SURVIVE WITHOUT BREATHING.
DR. LAURENCE IRVING.
A STORY OF THE SHRIMP INDUSTRY. ELMER HIGGINS.
THE PLANT COMMUNITIES OF THE DUNES. PROF. GEORGE D. FULLER.
SOMETHING ABOUT THE EARLY HISTORY OF THE MICROSCOPE. GUSTAVE FASSIN.
OPTICS AND MODERN PAINTING. DR. ROGERS D. RUSK.
THE OCCURRENCE OF OIL AND NATURAL GAS. DR. FREDERIC H. LAHEE.
SCIENCE SERVICE RADIO TALKS:
MEASURING A MILLIONTH OF A SECOND. PROF. J. W. BEAMS.
SLEEP. PROF. S. W. RANSON.
TULAREMIA. DR. EDWARD FRANCIS.
COMPARATIVE VALUES OF AMERICAN MAMMALS, 1726 AND 1753. LEILA G. FORBES AND
HUGH UPHAM CLARK.
THE PROGRESS OF SCIENCE:
The Einstein Institute of Physics at Jerusalem; The Heavy Hydrogen Symposium at the St. Petersburg Meeting of the American Chemical Society; Oskar von Miller; Hazards to Aircraft Due to Electrical Phenomena.

CONTENTS FOR APRIL

- THE CONTRIBUTIONS OF SCIENCE TO INCREASED EMPLOYMENT:
SCIENCE MAKES JOBS. PRESIDENT K. T. COMPTON.
SCIENCE AND INDUSTRY. DR. FRANK B. JEWETT.
THE SERVICE OF SCIENCE. DR. R. A. MILLIKAN.
SCIENTIFIC DEVELOPMENTS AND THEIR APPLICATIONS. DR. W. D. COOLIDGE.
RACING CAPACITY IN THE THOROUGH-BRED HORSE, PART II. DR. H. H. LAUGHLIN.
THE NEW ZEALAND FOREST. PROF. V. W. JACKSON.
THE ENTOMOLOGICAL SOCIETY OF LONDON. PROF. T. D. A. COCKERELL.
A POSSIBLE INTERPRETATION OF THE QUANTUM. PROF. W. P. MONTAGUE.
AIR "FLIVVERS." DR. EDWIN G. DEXTER.
SCIENCE SERVICE RADIO TALKS:
SEEDS. PROF. J. T. BUCHHOLZ.
THE INVISIBLE FRONTIER—OR FIVE MILES UNDERGROUND. DR. W. T. THOM.
NO ONE NEED HAVE SCARLET FEVER. DR. GLADYS H. DICK.
SPEED AND ITS SIGNIFICANCE IN CHEMISTRY. PROF. HUGH S. TAYLOR.
THE TELEPHONE POLE AND THE MUSHROOM. DR. R. H. COLLEY.
THE PROGRESS OF SCIENCE:
William Morris Davis, an Appreciation; The Award of the Willard Gibbs Medal to Dr. Urey; Statistical Charts regarding Employment Exhibited at the New York Museum of Science and Industry.

CONTENTS FOR MARCH

- THE PROBLEMS OF THE DESERT. DR. FORREST SHREVE.
RACING CAPACITY IN THE THOROUGH-BRED HORSE, PART I. DR. HARRY H. LAUGHLIN.
THE CONQUEST OF MALARIA. PROF. ARTHUR L. BEELEY.
THE ORGANIZATION OF INCA SOCIETY. PROF. GEORGE PETER MURDOCK.
WHERE IS PHYSICS GOING? PROF. R. B. LINDSAY.
MODERN SCIENCE, THE HOPE OF CIVILIZATION. DR. M. LUCKIESH.
WHAT'S THE MATTER WITH WHEAT? DR. C. G. WILLIAMS.
THE SCIENTIFIC JOURNAL, 1665-1730. SHERMAN B. BARNES.
THE PHYSICAL GOETHE. DR. JAMES FREDERICK ROGERS.
SCIENCE SERVICE RADIO TALKS:
COLOR CHANGES IN ANIMALS. PROF. EARLE B. PERKINS.
FRIENDLY GERMS. DR. W. LEE LEWIS.
MOSESSES. DR. A. J. GROUT.
RESEARCH IN THE BUREAU OF DAIRY INDUSTRY. O. E. REED.
THE PROGRESS OF SCIENCE:
The Presentation of the Edison Medal to Professor Kennelly; Administration of the Weather Bureau; Fritz Haber; Man—Past and Present—in the Field Museum; High Altitude Weather Observations.

THE SCIENCE PRESS

GRAND CENTRAL TERMINAL, NEW YORK CITY

Yearly Subscription \$5.00

::

::

::

Single Copies 50 cents

Pure, Crystalline CAROTENE

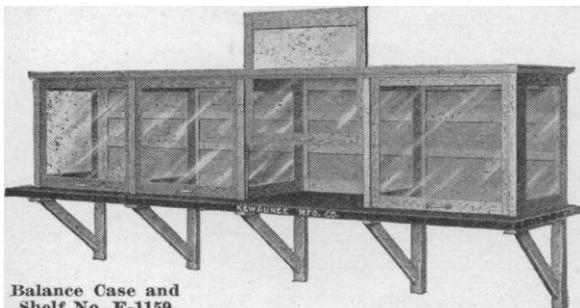
(Pro-Vitamin A)

for research purposes

The vitamin A potency of this carotene is approximately 2,800,000 International or new U.S.P. units per gram. As it is the less soluble fraction of carotene crystals from the ether extract of carrot powder, it is relatively rich in beta carotene. The properties of alpha and beta carotene have been investigated recently by Smith and Milner of the Carnegie Institution, and reported in the February, 1934 issue of the Journal of Biological Chemistry. For additional information about the properties of carotene, see the publications of Professor Richard Kuhn, and associates of Heidelberg.

The increasing interest in the more exact study of the functions of carotene in mammals accentuates the importance of the availability of a dependable supply of carotene of the highest purity. This interest is not only in the function of carotene as a provitamin, but also in its importance in other directions, particularly the importance of the maintenance of an optimum blood carotene level.

S. M. A. CORPORATION
Cleveland, Ohio



Balance Case and Shelf No. F-1159

Balance Case and Shelf

Complete and Roomy Equipment for the care of Balances

This four compartment Balance Case and Shelf provides correct equipment for the care of balances. Its glass sides and top provide good light and electric lights may be installed over cases. Double strength glass is used for doors, sides and partitions and 1/4 inch plate glass for the top panels. Movement of the lifting doors is controlled by spring sash balances. Also made for one and two balances.

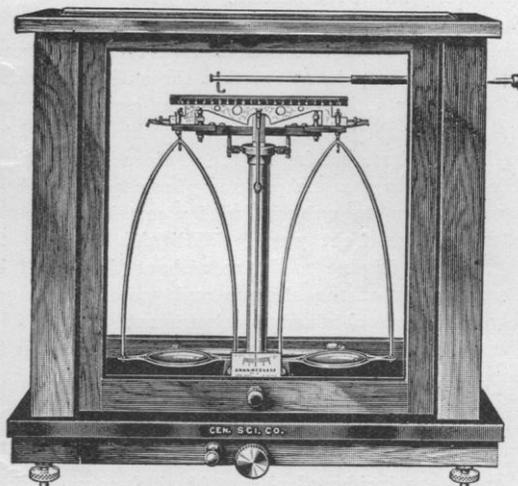
Write for complete details and attractive prices on this Kewaunee unit or for information on any other type of laboratory furniture equipment desired.

Kewaunee Mfg. Co.
LABORATORY FURNITURE EXPERTS

C. G. Campbell, Pres. and Gen. Mgr.
115 Lincoln St., Kewaunee, Wis.

Offices in Principal Cities
Eastern Branch: 220 E. 42nd St., New York, N. Y.
Mid-West Office: 1614 Monroe St., Evanston, Ill.

CENCO ANALYTICAL BALANCE AND CHROMIUM-PLATED WEIGHTS



No. 487

A COMPARISON of this balance with those of other makes, either American or foreign, will show it to be superior to any balance obtainable at the same price.

Capacity 200 grams
Sensitiveness 1/10 mg

No. 487—\$60.00

10% discount in lots of 3; 20% in lots of 12

ACCURATE within the specified tolerances of the U. S. Bureau of Standards for Class S-2 weights—with gram pieces of chromium plated brass—for resistance to wear and protection from tarnish—a real value at their selling price.

No. 719A

1 mg. to 50 gms.
\$12.00

No. 719B

1 mg. to 100 gms.
\$14.50

10% discount in lots of 3; 20% in lots of 12



CENTRAL SCIENTIFIC COMPANY
LABORATORY SUPPLIES
Apparatus  Chemicals
NEW YORK - BOSTON - CHICAGO - TORONTO - LOS ANGELES

