



SCIENCE NEWS-LETTER

The Weekly Summary of Current Science
A SCIENCE SERVICE PUBLICATION



\$5 a Year

15c a Copy



June 28, 1930



MULTIPLE AILERONS

A Possible Hint for Glider Construction

(See page 414)

Vol. XVII

No. 481

Special Sale of TAMI POCKET MICROSCOPES



No. 3740
Tami Pocket Microscope with base removed to examine opaque objects

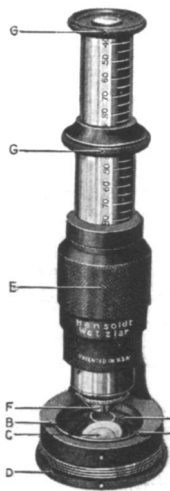
Widely used for botany, entomology, mineralogy, biology, chemistry, geology, and other general microscopic work. The objective is divisible. With the bottom objective lens (F) removed, the magnification ranges from 25x to 112x; whereas with bottom lens attached, magnifications range from 50x to 225x. The variation in magnifications is obtained by extending or collapsing the telescopic draw tubes.

Fine focusing is accomplished by turning the knurled collar (E).

Microscopic slides or other transparent objects are placed on the stage (A) for examination while larger and opaque objects are examined by removing the base (D) and placing the microscope directly over or on the object. Supplied with metal case 4 x 1 1/4 inches.

List Price\$20.00

SPECIAL SALE PRICE \$12.00



Tami extended, showing magnifications calibrated on the draw tubes

PALO COMPANY

BIRD GLASSES TELESCOPES PRISM BINOCULARS MAGNIFIERS
153 WEST 23rd STREET NEW YORK, N. Y.

THE WISTAR INSTITUTE BIBLIOGRAPHIC SERVICE

is of invaluable assistance to
Investigators—Librarians—Teachers

It brings to them, in AUTHOR'S ABSTRACT form, a brief review of all original papers on Biological Subjects which appear in the following journals:

Journal of Morphology and Physiology
The Journal of Comparative Neurology
The American Journal of Anatomy
The Anatomical Record
The Journal of Experimental Zoology
American Journal of Physical Anthropology

The American Anatomical Memoirs
Folia Anatomica Japonica (Tokio, Japan)
Stain Technology (Geneva, N. Y.)
Physiological Zoology (Chicago, Ill.)
Publications of the Biological Survey of the Mount Desert Region

Advance Abstract Sheets

issued semi-monthly, bearing author's Abstracts without bibliographic references, offer a practical means of making research immediately available in abstract form and of purchasing articles of special interest in reprint form without the necessity of subscribing to all the journals. Subscription\$3.00 per year

Bibliographic Service Cards

with complete bibliographic references, printed on Standard Library-catalogue cards, are of value and assistance to librarians and investigators. Subscription\$5.00 per year

Abstracts in Book Form

Abstracts referred to above are brought together periodically in book form with Authors' and Analytical Subject Indices. Price\$5.00 per volume with liberal discount to regular subscribers to the Bibliographic Service Cards.

Subscriptions to the Bibliographic Service and orders for reprints should be sent to

THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY

Thirty-sixth Street and Woodland Avenue :: Philadelphia, Penna. :: U. S. A.

Staff of Science Service—Acting Director, Vernon Kellogg; Managing Editor, Watson Davis; Staff Writers, Frank Thone, James Stokley, Emily C. Davis, Jane Stafford, Marjorie Van de Water, J. W. Young; Librarian, Minna Gill; Sales and Advertising Manager, Hallie Jenkins. Board of Trustees of Science Service—*Honorary President*, William E. Ritter, University of California. Representing the American Association for the Advancement of Science, J. McKeen Cattell, *President*, Editor, Science, Garrison, N. Y.; Burton E. Livingston, The Johns Hopkins University, Baltimore, Md.; Raymond Pearl, Director, Institute for Biological Research, The Johns Hopkins University, Baltimore, Md. Representing the National Academy of Sciences, John C. Merriam, *President*, Carnegie Institute of Washington; R. A. Millikan, Director, Norman Bridge Laboratory of Physics, California Institute of Technology, Pasadena, California; David White, Senior Geologist, U. S. Geological Survey, Representing National Research Council, Vernon Kellogg, *Vice-President and Chairman of Executive Committee*, Permanent Secretary, National Research Council, Washington, D. C.; C. G. Abbot, Secretary, Smithsonian Institution, Washington, D. C.; Harrison E. Howe, Editor of Industrial and Engineering Chemistry, Representing Journalistic Profession, John H. Finley, Associate Editor, New York Times; Mark Sullivan, Writer, Washington, D. C.; Marlen E. Pew, Editor of Editor and Publisher, New York City. Representing E. W. Scripps Estate, Harry L. Smith, *Treasurer*, Cincinnati, Ohio; Robert P. Scripps, Scripps-Howard Newspapers, West-Chester, Ohio; Thomas L. Sidlo, Cleveland, Ohio.

Heating the floors in school buildings, instead of using ordinary radiators or ventilating ducts, has been suggested in England.

Government poultry experts are trying to remove the gambling element from turkey raising by solving the parasite problem.

THE BIO-KITS Complete Collecting Outfits



BIO-KIT NO. II
For Insect and Animal Collecting

THE collecting season is on! The BIO-KITS contain the necessary supplies and apparatus to enable you to make your own collection in the proper scientific manner. Clear and concise directions for taking proper care of your specimens are given in the BIO-KIT HANDBOOK included in each set. For those interested in plants and flowers, BIO-KIT No. I should be ordered, and for those interested in insects and animals, BIO-KIT No. II is recommended.

The BIO-KITS encourage a healthful, enjoyable and interesting pastime, and should undoubtedly be part of the equipment of those going to camp or intending to spend any time this season in the open. "Study Nature, not Books"—L. AGASSIZ

NEW YORK BIOLOGICAL SUPPLY CO.
Dept. "S", 34 Union Square, New York, N. Y.

Gentlemen:—Enclosed please find \$.....for item (s) checked below, money to be refunded if not found entirely satisfactory:

- () BIO-KIT No. I—For Plant Collecting, \$8.50
- () BIO-KIT No. II—For Insect and Animal Collecting\$8.50

Name.....
Street.....
City..... State.....

We furnish biological supplies to schools and colleges of the country



Somewhere in the English Language

SOMEWHERE—how remote and inaccessible that sounds. Somewhere in that forest maze of our language—seemingly inextricably intermingled—are words which bring treasures of money, power, position, to the skillful user. Words that trill with laughter, thunder commands, tender words fragile as a wood plant, terms of lofty inspiration, compelling words to add strength to your arguments, words for every shade of meaning.

All round you they are, "close by, disregarded, quite at hand," as Conrad once exclaimed—yet by force of circumstance, you travel the one small path that years of usage have worn through this labyrinth.

How often you have sought to leave this path—to find a new word for that trite expression, to clothe your thought in terms that clearly express your meaning—to avoid constant needless repetition. Your dictionary cannot help you here—you must first know the words you are seeking.

How to find those words you have forgotten—or perchance, are not familiar with! And how to recognize them!

Picture a guide post in this word forest which di-

rects you at once to your very word—which goes farther than all other guide posts by describing your word so accurately that you can place your finger upon it and exclaim, "Here is the exact word for my purpose."

This is March's Thesaurus Dictionary, a thesaurus and a dictionary combined!

Literally it places complete command of the English language at your fingertips. Its 1462 pages form a vast storehouse of words, phrases, idioms, which are made instantly available by its unique method of groupings.

Examine this book in your home—at our risk

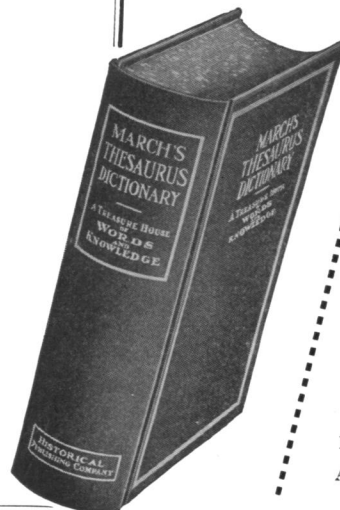
There is no other book like it in the English language. It is so complete, so authoritative, and so thoroughly practical that business and professional men, and writers, as well as educators, are using it constantly in their work.

It is so DIFFERENT—so preeminently useful—that we offer you through this coupon the privilege of judging the book in actual use before you buy it.

Send in that coupon. Put the book to every word test you can think of. Then if at the end of 10 days you do not find it indispensable, you have but to return it and your examination has cost you nothing.

It Gives You

1. The exact word or phrase to express your idea, or shade of meaning—classified by parts of speech.
2. Definitions of over 100,000 words and phrases.
3. Gives you complete mastery of the English language, in writing and speaking.
4. Supplies the following facts which make March a constant reference—in itself a liberal education:
 - English Composition
 - History of the Language and Writing
 - Word Roots and Derivations
 - Building of English Words
 - Famous Characters of Literature and notable Sobriquets
 - Biblical References
 - Words from the Arts and Sciences
 - Geographic Facts
 - Americana



HISTORICAL PUBLISHING CO.,
Dept. SC-6, 1334 Cherry St., Philadelphia, Pa.

Please send me (postpaid in U. S.; express paid in Canada) the New Amplified Edition of March's Thesaurus Dictionary. I will pay \$3.75 on delivery and if I keep the book will pay you \$2.00 per month for three months. (Canada, duty extra; Foreign, \$10.00, cash with order.)

If for any reason I do not wish to keep it I will return it in good condition within 10 days and you are to refund my \$3.75.

Name _____
Address _____