

15¢

\$5.50 A YEAR



August 24, 1957

VOL. 72, NO. 8 PAGES 113-128

# SCIENCE NEWS LETTER



®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



"Seeing" the Earth Spin

See Page 127

A SCIENCE SERVICE PUBLICATION



# Books Worthwhile Reading

SCIENCE  
SERVICE  
PUBLICATIONS

Special Offer Saves 37%: Complete Set of 9 Items — Only \$7.90

## ATOMIC FACTS

Just the information about atomic energy that you need to know. Easy to read chapters and fundamental information arranged for easy reference. Fully indexed, cloth bound. Edited by Helen M. Davis. 112 p. Postpaid **\$2.00**

## ORGANIC CHEMISTRY FOR THE HOME LAB

Learn to think chemically . . . Mauve, the first aniline dye, was discovered one hundred years ago by a young chemist who followed where his curiosity led him. You can make this and other beautiful dyes, interesting plastics, fundamental chemicals, by following these clear directions . . . a handy book, written by Burton L. Hawk, which not only tells you how to make individual chemical products, but gives you general methods and shows you how to apply them to new problems. Edited by Helen M. Davis. 100 p. Postpaid **\$2.00**

## SCIENTIFIC INSTRUMENTS YOU CAN MAKE

How teen-age scientists have designed and built astronomical instruments, spectroscopes, Tesla coils, oscilloscopes, cloud chambers, atom counters, Van de Graaff generators, electronic computers, stroboscopes, and demonstrated ultrasonics, chromatography, photomicrography and mathematical constructions. Illustrations show the completed instruments. References guide the reader to research in the fields opened by use of these instruments. Fully indexed, cloth bound. Edited by Helen M. Davis. 96 p. Postpaid **\$2.00**

## THE CHEMISTRY WE USE

A compilation of "Home Lab" experiments, a monthly feature of CHEMISTRY magazine. Written by Burton L. Hawk . . . and designed for a simple but adequate home laboratory in which real chemical preparations can be made . . . The World We Live In, The Air We Breathe, The Water We Drink, The Food We Eat, The Clothing We Wear, The Coins We Spend, The Drugs We Take, Lesser-Known Elements We Study, Other Materials We Use . . . A Practical Introduction to the Chemistry of Everyday Things. Fully indexed, cloth bound. 87 p. Postpaid **\$2.00**

## SCIENCE EXHIBITS

Science Exhibits tells you how to select your material, how to plan its presentation, how to display, to label and to light it, how to describe the work you have done, how to tell about it so that those who think science is "too difficult" will understand and share your enthusiasm. Fully indexed, cloth bound. Edited by Helen M. Davis. 96 p. Postpaid **\$2.00**

## EXPERIMENTING WITH CHEMISTRY

For those who wish to start experiments in chemistry, this is a guide and laboratory manual which includes, as well, detailed explanations of reactions and processes for advanced students. More than 125 experiments. Special sections on sympathetic inks, spectacular reactions, spontaneous combustion, blow pipe analysis and metallurgy. By Burton L. Hawk. Fully indexed, clothbound. 96 p. Postpaid **\$2.00**

## THOUSANDS OF SCIENCE PROJECTS

Are you looking for something to do in science? Do you need inspiration for a science exhibit? Do you want a suggestion for a project report? Every student can find answers to these questions in this 48-page, illustrated booklet listing classified titles of exhibits shown at science fairs and/or produced as projects for the annual Science Talent Search. Postpaid 10 copies for \$1.00. Each **25c**

## LAWS OF MATTER UP-TO-DATE

A new edition of the list of fundamental laws of physics which have been changed as the result of new discoveries of the atomic age. By Helen M. Davis. Postpaid 100 copies for \$3.00. Each **10c**

## PERIODIC TABLE OF ELEMENTS

Both the Mendeleev and Bohr arrangements. An up-to-date chart of the chemical elements by groups and series with spaces for new elements through the hypothetical No. 118, which can be filled in as they are announced. By Helen M. Davis. Postpaid 10 copies for \$1.00. Each **25c**

To Science Service • 1719 N Street, N.W. • Washington 6, D.C.

Send me publications I have checked below. \$..... enclosed.

- |  |  |                                |
|--|--|--------------------------------|
| <input type="checkbox"/> Atomic Facts                        | <input type="checkbox"/> Experimenting with Chemistry  | Name.....                      |
| <input type="checkbox"/> Organic Chemistry for the Home Lab  | <input type="checkbox"/> Thousands of Science Projects | Address.....                   |
| <input type="checkbox"/> Scientific Instruments You Can Make | <input type="checkbox"/> Laws of Matter Up-to-Date     | City..... Zone..... State..... |
| <input type="checkbox"/> The Chemistry We Use                | <input type="checkbox"/> Periodic Table of Elements    |                                |
| <input type="checkbox"/> Science Exhibits                    | <input type="checkbox"/> All @ \$7.90                  |                                |

This offer good during August and September only.