

Press, 593 p., illus., \$14.50. Some of the papers are previously unpublished.

TV AND OUR SCHOOL CRISIS—Charles A. Siepmann—Dodd, 198 p., \$3.50. Reporting on extensive studies of the possibilities of television as a teaching instrument.

THE THEORY OF THERMAL-NEUTRON NUCLEAR REACTORS: Supplement Nos. 2-3, Soviet Journal of Atomic Energy—In English Translation—A. D. Galanin—Atomic Press (Consultants Bureau), Part 1, 191 p., Part 2 106 p., diagrams, paper, \$35 each part. Based on the work of Soviet scientists who have developed a theory of nuclear reactors independently of foreign authors.

A TREATISE ON PLANE AND ADVANCED TRIGONOMETRY—E. W. Hobson—Dover, 7th ed., 383 p., paper, \$1.95. Students' reprint of a classic.

THE TREE IDENTIFICATION BOOK: A New Method for the Practical Identification and Recognition of Trees—George W. D. Symonds—Barrows, illus. with photographs by Stephen V. Chelminski, \$10. Beautiful photographic keys help you to recognize trees from their leaves, flowers, fruit, bark and other features.

THE TRUE BOOK OF DESERTS—Elsa Posell—Childrens Press, 47 p., illus. with drawings by Carol Rogers, \$2. Telling children about the plants, animals and people who make their homes in the deserts.

THE TRUE BOOK OF OCEANS—Katharine Carter—Childrens Press, 47 p., illus. with drawings by Mary Gehr, \$2. For children.

WITCHCRAFT—Geoffrey Parrinder—Penguin, 208 p., paper, 85¢. A critical study of belief in witchcraft in Europe in years past and in Africa today.

THE WONDERFUL WORLD OF FOOD: The Substance of Life—John Boyd Orr—Garden City Bks., 69 p., illus., \$3.45. Tracing the development of man and his nourishment from the Old Stone Age.

THE WONDERFUL WORLD OF MEDICINE—Ritchie Calder—Garden City Bks., 69 p., illus., \$3.45. The story of man's quest for health from the days of primitive magic to modern public health and medical science.

Science News Letter, March 22, 1958

PSYCHOLOGY

"Brainstorming" No Aid To Creative Thinking

► "BRAINSTORMING," the modern technique of thinking aloud in groups used by advertising agencies and other businesses, does not aid creative thinking as has been claimed.

Instead, it actually hinders it.

This was found in an experiment at Yale University under the direction of Prof. Donald W. Taylor. In the experiment 96 Yale students attempted to solve three different problems. Some worked in groups of four persons and others worked alone.

Those who worked alone did better, not only in terms of the total number of ideas, but also in terms of the number of original and good ideas.

Results of the experiment are reported by Prof. Taylor and two of his graduate students, Paul C. Berry and Clifford H. Block, under the title "Does Group Participation When Using Brainstorming Facilitate or Inhibit Creative Thinking?"

Science News Letter, March 22, 1958

Snoring is due to vibrations in the soft palate and other structures of the throat in response to inflowing and outflowing air.

MINERALOGY

Recently Found Mineral Is Identified and Named

► A MINERAL that has puzzled scientists since a small quantity was first found 11 years ago in New Hampshire has been identified and named in honor of a German mineralogist by an American scientist.

The new mineral challenged identification and description of its properties until recent discovery of relatively rich specimens in Bavaria, Prof. Clifford Frondel of the department of mineralogy and petrography, Harvard University, Cambridge, Mass., reports in the German scientific journal *Naturwissenschaften* (Mid-Jan.).

Prof. Frondel named the new mineral strunzite, in honor of Dr. Hugo Strunz of Berlin, Germany.

Strunzite consists primarily of iron, manganese and phosphorus, with small amounts of magnesium and zinc. It ranges in color from straw yellow to brownish yellow and weighs about two and one-half times as much as water. Prof. Frondel says strunzite forms tufts and felted coatings of tiny hair-like crystals.

Science News Letter, March 22, 1958

MEDICINE

Radioactive Strontium Aids Study of Fractures

► STRONTIUM-90, the deadly, bone-seeking fallout product of nuclear bombs, has something helpful to contribute to medical science.

A new technique, developed by Dr. Norman S. MacDonald of the Atomic Energy Project at the University of California at Los Angeles, employs a medically safe close relative of strontium-90 to trace the body processes which maintain and repair the bone.

Previous studies had shown strontium-90 sought the bone and that its pathway through the body was almost identical to that of calcium. Thus strontium concentrated in the bone as calcium does.

However, the hazardous beta radiation of strontium-90 and its long radioactive lifetime made it unsuitable for use in bone studies of humans. But another form of radioactive strontium, strontium-85, which can be produced in a cyclotron, proved useful.

In the small amounts used in tracer studies strontium-85's radiation, gamma rays, was not harmful to humans, and had a short lifetime. Furthermore the "long range" gamma rays were suitable for external radiation recording techniques.

Thus strontium-85 could be injected into humans, its pathway through the blood stream and incorporation into bone traced. Such information is automatically recorded on a chart known as an osteogram.

Through use of the new technique it has been possible to follow the healing process in bone fractures. It is thought the technique also might be useful in study and diagnosis of bone diseases. Research in this area is underway, Dr. MacDonald said.

Science News Letter, March 22, 1958

EARN EXTRA MONEY

In Your Spare Time . . . At Home

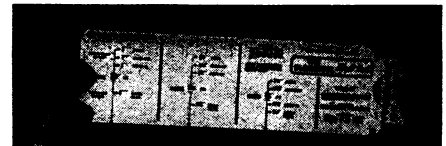
New Plastic-Fiberglass Process opens up excellent opportunities

IF you have some spare time and could use extra cash, here is a new handbook you'll want to read. "How to Earn Extra Money" is full of ideas for the smaller operator with a garage or basement shop. It shows what others have done, how they started, what they make. Tells how one man earned \$1800.00 net profit in 8 weeks in his home shop, and how you can do the same. Illustrated Directions Show How to embed real flowers, butterflies, sea shells, coins, photos in clear liquid plastics to make novelties, distinctive jewelry, advertising specialties and other fast-selling items. How the same materials are used for laminating decorative glass panels, for molding fiberglass boats and for "glass welding" wooden boats, tanks, pools. Nothing like it has ever been published before. Send 25¢ for manual to Commercial Craft Division, Dept. C-32.

THE CASTOLITE COMPANY

Woodstock, Illinois

800 ELEMENT FACTS AT YOUR FINGERTIPS



The Elementaly Sloyd-Rul tells you, at a glance, symbol, weight, density, number, valences, color, melting and boiling point in °C for the 98 elements. An ideal educational aid for science, physics and chemistry students. \$1 postpaid. Student rate: 12 or more, 75¢ ea. Money-back guarantee. The Sloyd-Rul Co., Canaan, N.Y.

HERE'S A QUALITY STUDENT MICROSCOPE AT A BUDGET PRICE!

Although budget priced, the UNITRON Model MUS is definitely not just another student microscope. It includes these significant features often lacking in much more costly student models:

- NOT JUST a disk diaphragm . . . but an iris diaphragm for perfect control of aperture.
- NOT JUST a single focusing control . . . but both coarse and fine.
- NOT JUST a mirror . . . but a condenser for optimum illumination and resolution.
- NOT JUST one objective . . . but three: 5X, 10X, 40X.
- NOT JUST one eyepiece . . . but a choice of two from 5X, 10X, 15X.

Durable, sturdy — ideally suited to withstand the use and abuse of classroom and laboratory.

Only \$74
F. O. B. Destination

ASK FOR A FREE 10 DAY TRIAL

Quantity discounts start at 3 — Only \$65.12 each for 25

UNITRON

INSTRUMENT DIVISION of UNITED SCIENTIFIC CO.
204-206 MILK STREET • BOSTON 9, MASS.

Please rush UNITRON's Microscope Catalog. **SNL-3B**

Name _____
Company _____
Address _____
City _____ State _____