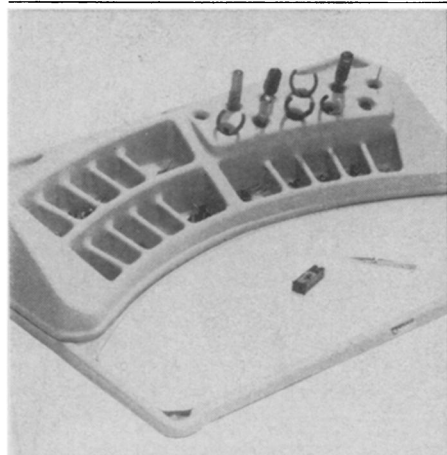


## products OF THE WEEK

### Clean room work center



A control center for tools and components especially designed for clean rooms is formed of unbreakable polyethylene plastic. The unit has no cracks or corners to collect dirt, and is easily cleaned. It is made with right- and left-hand stations to keep all materials within easy reach. A soft, reversible work surface constructed of polyethylene for assembling delicate components is also available.

*Techni-Tool, Inc.*  
Circle No. 154 on Readers' Service Card

### Safety chart

Emergency procedures and hazardous properties of dangerous chemicals are displayed in a washable wall-sized chart, 35 x 45 inches, for laboratories and classrooms. Printed in large type, all the hazard information is rated on a scale of 0 to 5 in terms of health, flammability and reactivity as well as eye contact, breathing, skin penetration, skin irritation and swallowing. Information on storing, handling and disposal of such chemicals is also included.

*Science Related Materials, Inc.*  
Circle No. 155 on Readers' Service Card

### Space-Age temperature sensor

Spinoff from the Apollo moon-landing program is represented by a thermocouple that can measure temperatures from minus 250 degrees F. to more than 5,500 degrees F. The device was developed to measure temperatures continuously on the Apollo command module heat shield, particularly as it seared its way through the atmosphere on reentry.

Soon to be available for commercial use, the thermocouple will be suitable for monitoring temperatures in furnaces

for the manufacture of steel, refractory metals, ceramics and glass, as well as for use in petrochemical processing and the development of gas turbine engines.

The thermocouple is enclosed in a tantalum sheath coated with ceramic.

*William Wahl Corp.*  
Circle No. 156 on Readers' Service Card

### Film thickness gauge

A permanent magnet in an aluminum case makes a pocket-sized gauge that can tell the thickness of paint, porcelain, enamel, rubber, glass fiber or any other nonmagnetic materials up to one-eighth inch thick on a magnetic base such as steel. The gauge can be used to test a surface to see if it is thick enough.

A foil of the required thickness is used to calibrate the device. Once calibrated, the gauge is applied to the surface to be tested; if the coating is less than the desired thickness, the magnet will stay down.

*Zormco Electronic Corp.*  
Circle No. 157 on Readers' Service Card

### Infrared absorption chart

The particular wavelengths absorbed by various chemical groups can be used to identify them. This circular chart gives a handy reference to the wavelengths of the main absorption bands of 61 classes of chemical functional groups. On the back, a similar dial identifies the chemical compounds associated with particular wavelengths. The data finder is 7 x 8½ inches and is notched for hanging over a laboratory bench.

*Barnes Engineering Co.*  
Circle No. 158 on Readers' Service Card

### Data recorder

Data are recorded directly from an alphanumeric keyboard to magnetic tape by a new family of electronic machines. Useful in a variety of peripheral devices for collecting information on tape, the recording machine eliminates the punched card step, saving time and storage space. An electronic alphanumeric display panel shows the actual letter or number the operator has entered into memory.

*Burroughs Corp.*  
Circle No. 159 on Readers' Service Card

*Products are selected and listed as an editorial service geared to reader interest. The claims are the manufacturers', and further information on Products of the Week, should be secured from them.*

## books OF THE WEEK

*Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.*

**AMERICAN MILITARISM 1970: A Dialogue of the Distortion of Our National Priorities and the Need to Reassert Control over the Defense Establishment**—Erwin Knoll and Judith Nies McFadden, Eds.; epilogue by J. William Fulbright—Viking Press, 1969, 150 p., paper, 95¢. Summarizes the thoughts expressed by foreign policy and weapons systems experts at a two-day meeting with bipartisan group of Congressmen and Senators.

**ASIMOV'S GUIDE TO THE BIBLE, Vol. 2: The New Testament**—Isaac Asimov—Doubleday, 1969, 637 p., maps, \$9.95. Analyzes specific biblical quotes and explains the historical, geographical and biographical background to the early Christian era and the Maccabean era which preceded it.

**CLINICAL PSYCHOLOGY AS SCIENCE AND PROFESSION: A Forty-Year Odyssey**—David Shakow—Aldine Pub. Co., 1969, 350 p., \$12.50. Papers and essays reflecting the ideas and influence of the writer as a clinician, training program administrator, professor, researcher and public servant.

**THE DEVELOPMENT OF EDUCATIONAL BROADCASTING IN JAPAN**—Mitoji Nishimoto—Sophia Univ., Tokyo (Tuttle), 1969, 287 p., \$12.50. Considered outstanding by experts, Japan's system of educational radio and TV broadcasting is here presented from its inception, incorporating Japanese ideas on teaching and modernization of education.

**DREAM PSYCHOLOGY AND THE NEW BIOLOGY OF DREAMING**—Milton Kramer, M.D., Ed.—Thomas, C. C., 1969, 459 p., \$17. Symposium papers discussing the challenge posed to dream theories based on REM studies, by the current attempts at exploring the content of REM collected dreams.

**EFFECTS OF SONIC BOOM**—John H. Wiggins, Jr.—Wiggins Co. (Calif.), 1969, 174 p., illus., \$16. Summarizes information and data resulting from sonic boom overflight test programs, such as factors affecting the loading waveform and the dynamic amplification factor, and analyzes the forces which cause structural damage.

**EXTRATERRESTRIAL MATTER**—Charles A. Randall, Jr., Ed.—Northern Ill. Univ. Press, 1969, 352 p., photographs, diagrams, \$15; until 1/1/70, \$12.50. Conference papers review recent investigations of meteorites and tektites, astrogeology and lunar surface, cosmic rays and atmospheric neutrons, comets and interstellar dust.

**INSTALLING AND SERVICING HOME AUDIO SYSTEMS**—Jack Hobbs—TAB Bks., 1969, 256 p., photographs, diagrams, \$7.95. Addressed to technician and serious hobbyist.