

new products

Computer kit

A kit is assembled by the buyer into a model digital computer, 11 x 12½ x 4 inches. The manufacturer says it can be programmed to solve mathematical problems "and a host of other things." Readout is from an illuminated control panel.

*Edmund Scientific Co.
Barrington, N.J.*

Circle No. 73 on Reader Service Card

Drug abuse screener

The screener uses a disposable resin-filled plastic column for analysis of drugs in urine or other physiological fluids. The "Drug-Skreen" system identifies the following drugs: heroin, morphine, quinine, codeine, Doriden, methadone, barbiturates, amphetamines, phenothiazines, Dilantin, meprobamate, Valium and Librium.

*Brinkmann Instruments Inc.
Westbury, N.Y.*

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Planetarium projector

Offered is a new planetarium projector displaying 3,500 stars to 6.0 magnitude. Unique to the "MS-8" is a compact, remote-control console that allows students to control the main motion functions of the planetarium. The manufacturer says it is particularly suitable for high schools and colleges.

*Minolta Corp.
Concord, Calif.*

Circle No. 124 on Reader Service Card

Botanical centrifuge

The new device will make it possible, says the manufacturer, for the first time to study the effects of higher gravity forces on plants. The double-arm machine will be able to spin four 200-pound payloads at a force of up to 20 g's for three weeks or longer. The University of Pennsylvania will use it to supplement orbiting spacecraft studies of low-g plant effects.

*Engineering Resources, Inc.
Morristown, N.J.*

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Navigation compass

For sportsmen and boatmen, this pistol-grip compass is entirely noncorroding and floatable if it falls in the water. It has sight vanes for focusing on an object and is liquid damped and stable.

*Davis Instrument Corp.
San Leandro, Calif.*

Circle No. 126 on Reader Service Card

Electronic mini-calculator

This near-pocket-size calculator can print. The 12-digit device adds, subtracts, multiplies and divides, and offers automatic constants in multiplication and division as well as automatic decimals.

*Litton Industries
Orange, N.J.*

Circle No. 128 on Reader Service Card

Irrigation controller

A problem in irrigation is application of too much water. "Aquastat" maintains a steady level of moisture under changing conditions, providing plants with the precise amounts they need, says the manufacturer. Moisture conditions at various locations and depths are monitored with sensors.

*AgTronics Mfg. Co.
Barstow, Calif.*

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Acoustic microscope

A specimen to be studied is immersed in water and a high-frequency sound wave sent through it. The wave, now altered by spatial information about the specimen, sets up ripples in a plastic mirror. At the same time, a laser beam scans a selected portion of the mirror. The ripples cause angular deflections of the laser beam which are converted to an acoustic hologram. Possibilities include higher resolution, study of live specimens and study of features not available with an optical microscope.

*Zenith Radio Corp.
Chicago, Ill.*

Circle No. 130 on Reader Service Card

Ambient air analyzer

This ultraviolet absorption spectrometer draws ambient air into an analysis cell that uses a completely dry analysis process. Calibration is quickly checked by scanning ambient oxygen. The machine will measure, in parts per billion, sulfur dioxide, nitric oxide, nitrogen dioxide and ozone. It will also detect many other compounds, including aldehydes, aromatic hydrocarbons, and various toxic vapors.

*Spectrometrics of Florida, Inc.
Pinellas Park, Fla.*

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Products are selected and listed as an editorial service. The claims are the manufacturers'. For further information circle the appropriate number on the postpaid, self-addressed Reader Service Card.



Superstitious?

In our most compulsive desire to make new friends we had decided to give away a whole truckload of **MACK THE KNIFE**. . . masterpiece of Vulcan's art. At home in kitchen, glove compartment or on a camping trip, self-appointed experts have nominated versatile **MACK** "Knife Of The Year." But, alas, our generous impulse was thwarted by one of our superstitious super-numeraries who officiously insisted that giving away a knife is very bad luck and in order not to kill an incipient friendship (and to ward off the "evil eye") we should assess a token charge! Reluctantly giving in to this troglodyte we agreed to charge \$1 for "**MACK**," (although he lists for \$4.95 in our catalog). AND—that isn't all. For that same \$1 we'll also send you our **COLOR-FULL CATALOG** (which many call "America's Most Exciting Wish Book") AND—A \$2 **GIFT CERTIFICATE** (good for your first purchase). If you think this is an unusual offer you're right. Better take advantage of it before our accountant returns from vacation and reads us the Riot Act!

Yes, I simply can't resist your amazing offer. Here is my \$1 bill. (No checks please, they drive our bankers mad!) Rush me "**MACK**", **MULTI-PURPOSE KNIFE** (slicer, serrated slicer, beer can opener and from-the-jar pickle snatcher.) **COLOR-FULL CATALOG AND \$2 GIFT CERTIFICATE.**

NAME: _____

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