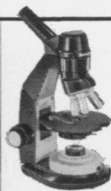
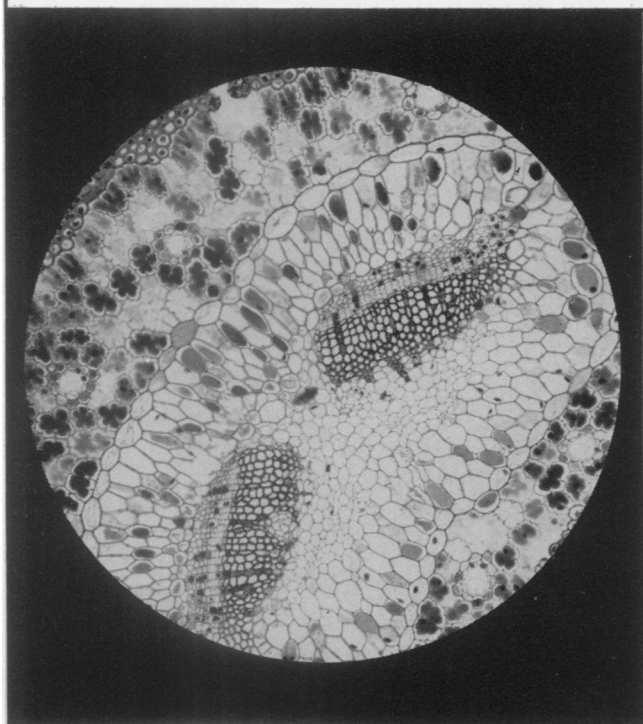



Bausch & Lomb Full Image Flat Field Teaching Microscopes Expedite Understanding



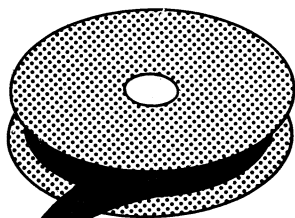
Students in general biology, zoology, botany, bacteriology *need* Bausch & Lomb full performance educational microscopes. Don't give them instruments that show only a third of the field in focus. Give them Bausch & Lomb full image flat fields that show them the whole area sharp and clear from edge to edge. This kind of optical performance teamed up with mechanical excellence speeds understanding, improves retention.

Get the full facts in our Educational Microscope Catalog, 31-2172, along with our free demonstration offer. Write today.

BAUSCH & LOMB 

SCIENTIFIC INSTRUMENT DIVISION

26610 Bausch Street, Rochester, N.Y. 14602



*Greatest Advance Since the Typewriter was Invented!
No More Smearly Erasing—
Covers Mistakes Instantly,
Permanently!*

SELF-CORRECTING TYPEWRITER RIBBON!

Most exciting, needed advance since the typewriter was invented! As of this moment, every messy, smudgy, smearly typewriter eraser in the world hits the scrap heap for good. No more erasing—ever! Bottom half of miracle ribbon is like a magic wand that makes errors disappear before your eyes. To make corrections, just back space, shift ribbon selector and retype error. Presto! White ink makes error completely invisible. Order extra ribbons for friends. This is one gift they'll love you for! No CODs.

MAIL ORDER MART, Dept. 14
2701 Sterlington Road, Suite 132
Monroe, Louisiana 71201

Please send me the quantity of ribbons checked below. If not satisfied, I will return ribbons within 10 days for full refund.

1 ribbon \$3.50 2 ribbons \$6.00

Brand Name of Typewriter—

Standard Electric Portable

Name _____

Address _____

City _____ State _____ Zip _____

CUCKOO CLOCK



CUCKOOS from
GERMAN
BLACK
FOREST

Now \$8.95
only

postpaid ... duty-free

Shipped Direct
To You from
EUROPE

This low price possible only through our unique direct import plan. Genuine German CUCKOO CLOCK with weight and pendulum movement. Excellent timekeeper. Cuckoos cheerily every quarter hour in clear pleasing voice. HAND CARVED in traditional design by the famous Black Forest wood carvers. Antique walnut finish. Perfect for den, bedroom, alcove, child's room or kitchen. Shipped direct from Free Europe in export packing with strange foreign stamps. Order as gifts, too, each shipped direct. (Not more than one addressed to the same person.) Send only \$8.95 for each. No C.O.D.'s. Postman collects 15¢ foreign packet charge which can't be prepaid. Satisfaction-or-money back guarantee.

MAIL ORDER MART.—Dept. 22
2701 Sterlington Rd., Suite 237
Monroe, Louisiana 71201

Please send me the cuckoo clock. If I am not completely satisfied, I will return it within 10 days for a full refund.

Name _____

Address _____

City _____ State _____ Zip _____

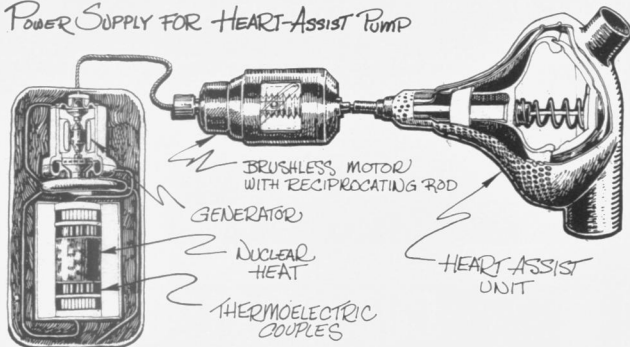
Conversation Pieces

Technically intriguing items
from TRW, guaranteed to add luster to your
conversation, and amaze your friends.

The Interplanetary Heart What have satellites to do with the human heart? Quite a bit, it turns out. Outer space and the human body are alike in that objects which man places in either must operate unattended in a demanding environment for long periods of time.

Consider, for example, TRW's Pioneer-Jupiter satellite. Even though it travels fast enough to get to the moon in eleven hours, it takes Pioneer around two years to get to Jupiter, the first of the outer planets. During its long flight away from the sun, the satellite's electrical power is supplied by a device which uses the heat from a nuclear isotope to generate electricity (a radioisotope thermoelectric generator). In addition, some of Pioneer's delicate instruments are protected from low temperature damage by nuclear-fueled heaters.

POWER SUPPLY FOR HEART-ASSIST PUMP



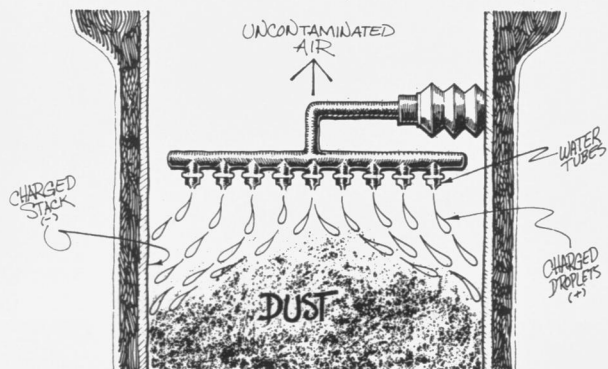
The technology associated with such long-lived, reliable heat sources is now being applied to the human heart. TRW scientists are working on suitable nuclear energy sources for heart-assist pumps, developing radioisotope heat capsules and studying thermal converters.

Placed within the body, the capsule releases heat energy through low radiation level radioactive decay, and the converter turns the energy into power for the heart pump. (The motor for the pump, incidentally, is based on those used in the Minuteman guidance and control gyrocompass, which have been operating at 16,000 rpm for more than four years.)

The severe reliability levels called for by flight to an outer planet make you refine and sharpen your technology to extremes, whereupon it suddenly becomes useful here at home within the body of a living man.

Controlling Your Attitude & Air Pollution Keeping a satellite pointed in the right direction can call for a reliable, highly efficient propulsion system. At TRW we've developed one. Called the colloid thruster, it works by electrically charging a mist of colloid-sized droplets, accelerating them through a high potential, and ejecting them out into space.

ECOLOGICAL ASSIST FROM A COLLOID ENGINE



Recently, we put this principle into an industrial smoke stack. It removed 99% of the particulate matter (such as fly-ash) billowing forth into the atmosphere. A series of needles emitting positively charged droplets were accelerated toward the negatively charged walls of the stack. On the way, they entrained almost all of the dust particles. Result: a smokeless stack.

Now we are at work with an asphalt association in removing particles from the smoke of asphalt plants. They say it's much better than the expensive solutions they have tried in the past.

We're very happy about that. When people at cocktail parties complain to us about modern technology, we have still another rejoinder.

For further information, write on your company letter-head to:

TRW
SYSTEMS GROUP

Attention: Marketing Communications, E2/9043
One Space Park • Redondo Beach, California 90278