

# New Ideas and Gadgets

New Ideas and Gadgets is an editorial service to readers; more information on items can be secured from the manufacturers.

## Explosion Detector

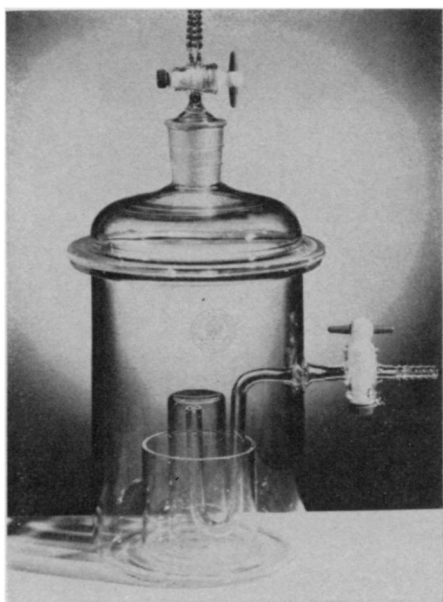
Extinguishing systems are set off within microseconds after detection of fires and incipient explosions by this small solid state device that reacts to ultraviolet light. Made from a single crystal of silicon carbide, the device is operable up to 500 degrees C. Insensitive to solar ultraviolet radiation, it cannot be triggered by sunlight.

Westinghouse Electric Corp., Box 2278, Pittsburgh, Pa. 15230

## Polycarbonate Resin

Many times tougher than glass, this new transparent polycarbonate plastic is especially suitable for making vandalproof windows for schools and public buildings. Transmitting 90 percent of natural light, almost as much as glass (92 percent), it can also be used for making safety lenses, instrument covers and meter faceplates. It will withstand temperatures from minus 150 to 175 degrees F.

Mobay Chemical Co., Penn Lincoln Parkway West, Pittsburgh, Pa. 15205



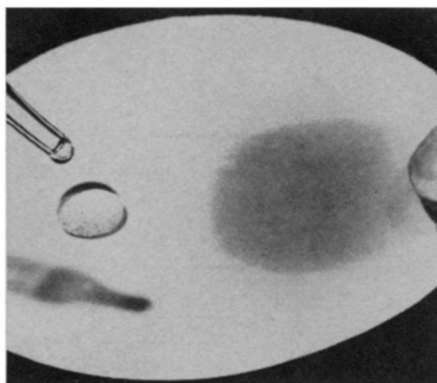
## Fume Chamber

Designed for research in which chemical coatings are exposed to highly reactive gases, this 10-by-15-inch device makes it possible to expose samples to the gases in a completely closed airtight chamber. The unit consists of a tube and vessel arrangement inside a stoppered borosilicate glass container. The gas is diffused continuously through a liquid seal into the chamber.

Scientific Glass Apparatus Co., Inc., 737 Broad St., Bloomfield, N.J.

## New Polymer Film

Only a few millionths of an inch thick, this new polymer applied by photodeposition has possible application for electrical insulation for micro-electronic devices as well as for corrosion-resistant protective coatings. The item to be coated is exposed to a monomer gas in a vacuum chamber and then irradiated with ultraviolet light which causes a polymer film to form directly on the object.



General Electric Research and Development Center, P.O. Box 8, Schenectady, N.Y.

## Nitrogen Converter

Operating on a closed-cycle principle, the liquid nitrogen converter provides temperatures of approximately minus 320 degrees F. wherever needed. Weighing less than 50 pounds and measuring 12 by 12 by 15 inches overall, the unit finds application for cryosurgery, as well as research in biochemistry, crystallography, magnetic and solid state devices and metallurgy.

North American Philips Co., Inc., Mendon and Angell Roads, P.O. Box 2200, Ashton, R.I. 02864

## Cleaner-Degreaser

Heavy grease deposits or rubber marks on concrete are readily removed by this cleaner for use in automatic scrubbing equipment. The biodegradable, low sudsing product, which can also be used on terrazzo, is available in one and five gallon cans and in 55-gallon drums.

Simonix Co., 110 No. Wacker Drive, Chicago, Ill. 60606

## Breakaway Signs

These signs break away when struck by cars, helping make freeways safer. The steel posts are so constructed that on impact they come apart at ground level and swing up and out of the way just below the sign, allowing the car to pass. The sign then collapses.

Aztec Manufacturing Co., 2901 W. Pafford St., Fort Worth, Tex.

## CLASSIFIED

Classified advertisements are accepted for the following classifications; Books, Business Opportunities, Camps, Colleges, Micro Ads, Personals, Positions Wanted, Services, Travel. All advertisements must be consonant with the character of Science News. Rates . . . single insertion 25¢ a word. Minimum charge is \$5.00. Count 2 extra words for Box and Numbers. Classified advertising is payable in advance. Closing date 3 weeks prior to publication (Saturday).

Employment opportunities are accepted at regular display rates, subject to agency commission. Minimum size 1 inch. Minimum charge \$21.70 per inch. Rate cards available upon request.

To speed up insertion, address classified advertising . . . Classified Ads. Science News. 1719 N Street, N.W. Washington, D.C. 20036

## BOOKS

GRASSES AND WEEDS. Comprehensive list free. LEWIS, 2510 Van Ness Avenue, San Francisco, Calif. 94109.

PAPERBACK CATALOGUE, 272 pages, 15,400 titles, 162 publishers, subject indexed. Send \$1. New York Book, 4W West 43 Street, New York City.

PUBLISH your book! Join our successful authors: publicity, advertising, promotion, beautiful books. All subjects invited. Send for free manuscript report and detailed booklet. Carlton Press (Dept. XNS), 84 Fifth Avenue, New York 10011.

## MICRO ADS

FAIRCHILD SEQUENCE CAMERA \$75.00. Cost government \$650.00. Send 25¢ for our surplus optics-electronics 82 page catalog. Meshna, Nahant, Mass. 01908.

**WFF 'N PROOF**

The GAME for THINKERS



Can you solve this problem?

1. There are three numbered statements in this box.
2. Two of these numbered statements are not true.
3. The average increase in I.Q. scores of those who learn to play WFF 'N PROOF is more than 20 points.

Is statement No. 3 true?

**A NEW DIMENSION IN EDUCATIONAL GAMES**

**WFF 'N PROOF: The GAME of MODERN LOGIC** \$6.00 (plus \$ .50 postage and handling)

**EQUATIONS: The GAME of CREATIVE MATHEMATICS** \$3.00 (plus \$ .50 postage and handling)

**ON-SETS: The GAME of SET THEORY** \$4.00 (plus \$ .50 postage and handling)

by Professor Layman E. Allen

Box 71-PF New Haven, Conn.

Please send me ..... WFF 'N PROOF  
..... ON-SETS ..... EQUATIONS  
I enclose \$ ..... and understand that if I am not completely satisfied, I can return the games in 10 days for a full refund of the purchase price.

Name .....

Address .....

City ..... State ..... Zip .....

Refund and return privileges guaranteed!  
Dealer Inquiries Invited

**WFF 'N PROOF**