

And four-fifths of the parents said aspiring young scientists should be encouraged to enjoy activities quite outside of science.

"Don't panic if he is considered 'odd' as long as he is not unhappy," says one parent, "but encourage him to broaden his interests and contacts to avoid becoming too solitary."

Such broadening insures against a child's "becoming too one-sided in personality," as another parent put it.

Still another parent added that all developed talents are valuable for future use and will combine in the young person's eventual main interest.

Highlights abstracted from additional suggestions offered from what some of the parents would call "hindsight wisdom" include:

1. Show confidence in your children's abilities and leave them alone to work out their projects.

2. Never underestimate what they might be able to accomplish.

3. Don't be a "good housekeeper" at the expense of your child's prize collections.

4. Combat the "work versus fun" concept by letting them know that you find work a vital part of your life.

5. Make home a place of warmth, stability, democracy, continuity.

6. Expose children to alert minds as well as to challenging printed materials.

7. Use infinite patience in listening and always show keen interest in any topics they want to discuss.

8. Provide space for adequate storage and use of scientific equipment.

9. Provide quiet time, alone.

Encourage children to be individualistic. As one couple said, "conformity to stereotyped ideas, we feel, can be stifling to the budding scientific personality. A strong sense of integrity, dependability and character should be stressed. Discipline and self-discipline should be emphasized from early childhood.

Science News Letter, June 4, 1960

PUBLIC HEALTH

## Air Pollution Linked to Ills

MANY DEATHS from heart disease and cancer may be related to air pollution.

Two analytical statisticians from the Department of Health, Education and Welfare in Washington, D. C., reported the relationship at the annual meeting of the Air Pollution Control Association in Cincinnati, Ohio.

Richard Schiffman and Emanuel Landau presented information based on a study of 163 standard metropolitan areas that were ranked in terms of potential air pollution levels. Those with highest air pollution had a greater number of deaths from various diseases than the national average.

Chronic rheumatic heart disease, arteriosclerotic heart disease, including coronary, and non-rheumatic chronic endocarditis were three that showed mortality increase

in 20 standard metropolitan areas studied.

Similarly, cancer of the esophagus and stomach caused more deaths in 20 metropolitan areas with high air pollution than the national average, while cancer of the trachea, bronchus and lung showed comparable mortality increases.

The need for further study to show types of industries, fuels used and other factors related to air pollution and morbidity was emphasized.

Other investigators minimized the "overwhelming importance" of cigarette smoking as a prime cause of cancer, which has been alleged by many researchers. They said that frequency of lung cancer started on the European continent before cigarette smoking became popular.

Science News Letter, June 4, 1960

ARCHAEOLOGY

## Valuable Sites Protected

VALUABLE archaeological sites uncovered by freeway-building operations in California are being protected by a unique cooperative program among two state agencies and the University of California at Los Angeles.

The program involves the State Division of Highways, Division of Beaches and Parks and the UCLA Archaeological Survey. The Survey is headed by M. B. McKusick.

Here is the problem: Several years ago it became apparent that the vast California highway building program might bury forever many of the sites of California's prehistory and early history unless something was done to record and preserve some of the remains. The problem was particularly acute in southern California, whose coastal region, the site of major highway programs, is archaeologically rich.

Here is the way it is being solved: Whenever possible the UCLA Archaeological Survey is furnished with maps on which projected rights-of-way are plotted.

The right-of-way is then explored by an archaeological crew.

Occasionally a few sites are missed during the initial survey or there is not time for thorough study before highway construction starts.

When a bulldozer turns up evidence of a missed site the word is flashed to Sacramento and then back down to UCLA.

Shortly afterward a special "emergency" archaeology crew is in the field retrieving ancient cultural remains from the path of the roadbuilders.

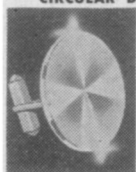
A similar program is being negotiated by UCLA with pipeline building organizations.

Science News Letter, June 4, 1960

## OPTICAL BARGAINS

Order by Stock No.—Send Check or M.O.—  
Satisfaction or Money Back!

OFFSPRING OF SCIENCE . . . REALLY BEAUTIFUL!  
CIRCULAR DIFFRACTION—GRATING JEWELRY



Shimmering rainbows of gemlike color in jewelry of exquisite beauty—made with CIRCULAR DIFFRACTION—GRATING REPLICAS. Just as a prism breaks up light into its full range of individual colors, so does the diffraction grating. Promises to become a rage in current fashion.

Stock No. 30,349-Q—Earrings (clip style) . . . Tax Incl. \$2.75 Pstpd.  
Stock No. 30,350-Q—Cuff Links . . . Tax Incl. \$2.75 Pstpd.

Stock No. 30,373-Q—2 Pins . . . Tax Incl. \$2.75 Pstpd.  
Stock No. 30,372-Q—Pendant, Tax Incl. \$2.75 Pstpd.  
Stock No. 30,390-Q—Tie-Clasp, Tax Incl. \$2.75 Pstpd.

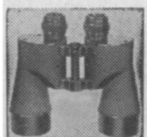
### GIANT OPTICAL BARGAIN KIT



Useful popular items all in one package. You get: PRISM; DIFFRACTION GRATING; POLARIZING FILTERS; 5 LENSES—DOUBLE-CONVEX, 14 x 48mm; "FUN WITH OPTICS," 32-page instruction book; "BEGINNER'S LENS KIT," 10 lenses to make many optical items; "STAR & RECTANGULAR MAGNIFIER." Instruction Book; REC-STAR. A big \$10 value.  
Stock No. 50,204-Q . . . \$3.00 Pstpd.



**BLACK LIGHT MAGIC-GLOW KIT**  
Kit uses long-wave black light, which is completely harmless to eyes, but causes fluorescence in over 3,000 substances. Includes Magic Glow Lamp, stand, invisible water paints and ink, fluorescent crayon, tracer powder, pen, 3 brushes, specimens of fluorescent rocks; wernerite from Canada, fluorite from England, willemite from U.S.A.  
Stock No. 70,256-Q . . . \$10.95 Pstpd.



**Here's a Terrific Buy!**  
**WAR SURPLUS! American-Made!**  
**7 x 50 BINOCULARS**

Big savings! Brand new! Crystal clear viewing—7 power. Every optical element is coated. An excellent night glass—the size recommended for satellite viewing. Individual eye focus. Exit pupil 7 mm. Approx. field at 1,000 yds. is 376 ft. Carrying case included. American 7 x 50's normally cost \$195. Our war surplus price saves you real money.  
Stock No. 1533-Q . . . only \$55.00 pstpd. (tax incl.)

### BARGAIN-PRICED STETHOSCOPE



**FOR HOSPITALS, SCHOOLS**

Listen to running machinery. Check on hard-to-hear motor noises, leakage of gas, air, or fluid. Pick up heart beats of animals, insect noises, other "un-hearable" sounds. Splendid for experiments, classroom use.

Stock No. 50,223-Q . . . \$2.95 Pstpd.  
Stock No. 50,270-Q—Deluxe Model . . . \$5.95 Pstpd.



### MAGIC DESIGNER

For all geometric forms. This creative drawing toy doubles as a Math aid. More than a million different designs, including many important geometric figures, can be made. Appeals to serious student and child alike. The magic designer itself is 7 1/4 x 8 1/4 x 1 1/4". Comes complete with special die-cut paper discs of assorted colors, pencil and clear, easy to follow instructions.  
Stock No. 70,253-Q . . . \$4.95 Pstpd.



### Take Telephoto Shots Thru 7 x 50 MONOCULAR

This is fine quality, American made instrument—war surplus! Actually 1/2 of U.S. Govt. 7 x 50 Binocular.

Used for general observation both day and night and to take fascinating telephoto shots with your camera. Brand new. \$95 value. Due to Japanese competition we close these out at bargain price. Directions and mounting hints included.  
Stock No. 50,003-Q . . . \$15.00 Pstpd.

### FREE CATALOG-Q

128 Pages! Over 1000 Bargains!

America's No. 1 source of supply for science experimenters, hobbyists. Complete line of Astronomical Telescope parts and assembled Telescopes. Also huge selection of lenses, prisms, war surplus optical instruments, parts and accessories. Telescopes, microscopes, satellite scopes, binoculars, infrared sniperscopes, items for making "Science Fair" projects, math learning and teaching aids. Request Catalog Q.

EASY PAYMENT PLAN AVAILABLE! DETAILS WITH CATALOG!

**EDMUND SCIENTIFIC CO.**  
BARRINGTON, NEW JERSEY

