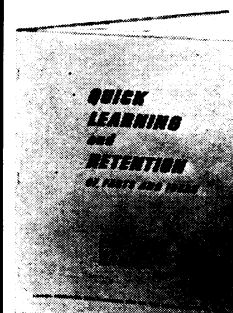


TELLS HOW TO SELL YOUR INVENTION

If you have an invention that you believe has merit, write us at once for copy of copyrighted booklet "How to Go About Selling Your Invention." We work with manufacturers, and booklet reveals present markets, qualities of a saleable invention, current royalty rates being paid by manufacturers. Booklet is FREE, is offered to encourage new ideas we might submit to manufacturers. Just send name (no drawings please) to Kessler Sales Corp., Dept. D-415, Fremont, Ohio 43420



LEARN and RETAIN
FACTS & IDEAS

A fabulous home study course developed by the Lionel Institute of Los Angeles, for Business Men, Career Gals, Students, etc., who wish to retain what they read. In just a short time anyone can master this marvelous method of quick learning and retention of facts and ideas. Requires only a few minutes a day.

Fully illustrated, easy-to-follow manual. It teaches how to cut down on study time, build confidence, raise grade point average, etc. Complete 9-lesson course, \$3.95 plus 25¢ postage.

Send check or M.O. No C.O.D.'s. Satisfaction Guaranteed.

J. W. HOLST, Inc. Dept. SN-3, 1005 E. Bay St., East Tawas, Mich. 48730

Quick Learning and Retention


Philadelphia Mint

Denver Mint



LAST COMPLETE SILVER SET. Brilliant uncirculated 1964 Phila. or Denver mint with scarce J.F.K. Silver 1/2 dollars \$2.95 + .25¢ p.p. Free .50¢ gift case. Both mints 10 coins \$5.50 + .25¢ p.p. Free luxurious \$1-Velvet lined, gold embossed presentation case (as illust.) Save 10 sets \$49.50—twenty sets \$95. Fifty sets \$225. Collectors rare 80 yr. old uncirculated silver dollars \$4, each in gift case + .25¢ p.p. Five asst'd dates in luxurious velvet lined presentation case \$19. + .50 p.p. 5 sets (25 coins) \$90. + \$1.00 p.p. Roll of 20 silver dollars \$70. Five rolls (100) coins \$340. Ten rolls \$660. Add 50¢ per roll p.p. Money back guarantee. A valuable gift or investment rapidly growing in value. Write for free catalog. Member Retail Coin Dealers Assn.—Amer. Numismatics Assn. Est. 1941. Novel Numismatics, 31-2nd Ave., Dept. 106, N. Y. 10003.

SCIENCE PROJECT MATERIALS



DENSITY ROD

**Fool your friends!
Mystify your classmates!**

This Density Rod floats in hot water—sinks in cold, or identical one that sinks in hot water and floats in cold water.

Metal cylinder 13 mm diam., 85 mm long. Used to demonstrate the differences in density of water at high and low temperatures.

**\$2.25 each or
2 for \$4.00 Postpaid**

Experiments in Electrostatics—a book of experiments you can do . . . send 50¢. Low priced physics equipment for schools and science projects.

Free catalogs—send 15¢ for postage.

MORRIS and LEE

Dept. SN5B69
1685 Elmwood Ave., Buffalo, N.Y. 14207

films OF THE WEEK

Listing is for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor.

CRITICAL PATH IN USE. 16mm, b&w, sound, 28 min. Discusses Critical Path Analysis as a management and PERT scheduling technique by tracing a project from initial planning. Management attempts to maintain the project and target data by shifting of resources to critical areas as the critical path for the project shifts from one area of work to another. Illustrated are general planning personnel, network analysis, negotiation of project control personnel with line people, and a definition of schedule times. Audience: management. Purchase \$160 or rental \$27.50 from Roundtable Films, 321 S. Beverly Hills, Calif. 90212. (Film is distributed with discussion leader's guide.)

THE DRINKING AMERICAN. 16mm, b&w, sound, 60 min. Drinking in the United States cuts across all social and economic classes. Alcohol abuse is our third largest health problem—after heart disease and cancer. For many, drinking is linked to sexual interests, a relationship which much alcoholic beverage advertising tries to exploit. Other people may drink to relax or to overcome loneliness. State laws regulating the use of alcohol are less than uniform, often varying between counties within a state. Audience: high school, college, adult. Purchase \$240 or rental \$13 from Field Services, Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

GEOLOGY OF YELLOWSTONE PARK. 16mm, color, sound 15 min. A guided tour of Yellowstone Park, in which attention is drawn to the geological features of the park including a mountain cliff of obsidian; geysers, hot springs; a lake of dead trees which the narrator points out as being a petrified forest in the making; and springs which have dried, leaving acres of travertine, a fragile limestone rock. Diagrams are used to explain how the geysers and hot springs were formed. Audience: grades 5-12, adult. Purchase \$210 or rental \$12.50 from McGraw-Hill Films, Dept. DF, 330 W. 42nd St., New York, N.Y. 10036.

HOW ELECTRICITY IS PRODUCED. 16mm, color, sound, 11 min. Starts with explanation of static electricity and how it is produced by friction. The operation of a small hand-operated magnetogenerator is used to explain how Faraday's principle is applied to the production of electricity. Shows how steam power and the power of falling water are used to produce electricity. Final sequence points out that the principles seen in the film may be proved by the viewer by conducting simple experiments. Audience: upper elementary through high school. Purchase \$120 from Bailey Films, 6509 De Longpre Avenue, Hollywood, Cal. 90028.

THE PSYCHOTIC CHILD. 16mm, b&w, sound, 25 min. Psychiatric examiner, through series of maneuvers, tries to engage a 7-year-old boy in a variety of relationships. He actively resists by autistic defenses and ritualistic, compulsive behavior. Motor skills development is 2-to-3-year level; affective control is poor; reality testing is minimal. Examination includes a rather stressful situation which elicits responses of rebellion and frustration as well as evidences of autistic behavior. For Restricted Use Only, purchase \$125 or rental \$5 from Psychological Cinema Register, University Park, Pa. 16802.

LETTERS

to the editor

Lipreading

Your article, "Eyeglasses to Hear By" (SN: 4/12, p. 353) was interesting, but contained some misinformation. A deaf person would be able to distinguish between the words "toss" and "sat" through speechreading. Both the tongue and lip positions of the first consonant are significantly different to be picked up visually. They also contain different vowels which have different tongue and lip positions, and they have dissimilar final consonants. Perhaps the words "by" and "pie" would have been better examples, since they are identical visually, the main difference between them being the voicing or non-voicing of the first consonant.

*Miss Janet G. Gluckin
Teacher of the Deaf and
Hard of Hearing
Saginaw, Mich.*

Frustration rage

Frustration rage, so conspicuous in the higher primates, appears to have been reliably reported in few other mammals (e.g., *Ursus*). When we consider that it has been made the cornerstone of a widely known theory of aggression, this is a surprising observation. The issue is of some theoretical importance in view of the possibility that it may prove to be a function uniquely associated with massive prefrontal granular cortex. I would be most appreciative of any pertinent references or documentable instances brought to my attention.

*William C. Watson
Department of Psychology
Chicago State College*

Address communications to Editor,
Science News, 1719 N Street, N.W.
Washington, D. C. 20036

SCIENCE NEWS

Copyright © 1969 by Science Service, Inc., 1719 N Street, N.W., Washington, D.C. 20036. Reproduction of any portion of SCIENCE NEWS is strictly prohibited.

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50; 3 yrs., \$19.50. Special trial offer: 39 weeks, \$3.97. Single copy, 25 cents. No charge for foreign postage. Change of address: Three weeks' notice is required. Please state exactly how magazine is addressed. Include zip code.

Printed in U.S.A. Second class postage paid at Washington, D.C. Established as Science News Letter® in mimeograph form March 13, 1922. Title registered as trademark U.S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide and the Engineering Index. Member of Audit Bureau of Circulation. UNSOLICITED MANUSCRIPTS will not be returned unless accompanied by a stamped, self-addressed envelope.

Published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D.C. 20036. North 7-2255. Cable Address: SCIENSERV.

ADVERTISING

L. D. Young, Advertising Director, SCIENCE NEWS, 1719 N St., N.W., Washington, D.C. 20036, Phone 202-667-8945.

Advertising Representatives: SCRIPPS-HOWARD NEWSPAPERS. General Advertising Department: 200 Park Ave., New York, N.Y., TN 7-5000; 400 N. Michigan Ave., Chicago, Ill., SU 7-3355; Suite 211, Braniff Building, Dallas, Tex., PL 7-3847; 908 E. Northland Tower, Southfield, Mich., 444-4595; 6363 Wilshire Blvd., Los Angeles, Calif., OL 3-0026; Room 1522, Philadelphia National Bank Building, Philadelphia, Pa., LO 3-6275; 100 California St., San Francisco, Calif., 989-5570; Suite 417, 3384 Peachtree Rd., N.E., Atlanta, Ga. 261-1571.