

Each week's issue of SCIENCE NEWS is mailed the day before the date shown on the cover. Thus this issue was mailed May 18. If there is undue delay in the mail delivery of your copy, please complain to the Postmaster of your city or town. This should help in our efforts to improve delivery service.

—The Editor

### BOOK ORDER SERVICE

For the convenient purchase of any U.S. book in print you may avail yourself of Science News Book Order Service, 1719 N St., N.W., Washington, D.C. 20036. We pay postage. Send 25¢ handling charge. Regular retail prices on all books.

### Fix Lawn Mowers



**FOR FUN & PROFIT!** A schedule for preventive maintenance and procedures for routine maintenance are explained in detail.

Step by step instructions for trouble shooting, engine repair, balancing, and sharpening blades, etc., are clearly explained. Over 125 illustrations. Sharp, clear and concise exploded drawings are extensively used. Brand names are identified so replacement parts

can be readily obtained. The book should save over \$50 on the purchase of a lawn mower and an additional \$25 a year on repairs. The author, F. Peterson, tells you how to purchase, use and repair your lawn mower and compares reel, rotary and rider type lawn mowers. Rush only \$6.95 plus 30¢ handling—10-Day money back guarantee.

**HANDBOOK OF LAWN MOWER REPAIR**  
**EMERSON BOOKS, Inc., Dept. 773-X**  
**Buchanan, New York 10511**



Science News has subscribers in all 50 states and in 84 countries. Why not join the crew?

Please enter my subscription to SCIENCE NEWS for 1 year (52 weekly issues).

Science News Subscription Dept.  
 231 West Center St., Marion, Ohio 43302

Bill me  \$10 enclosed.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

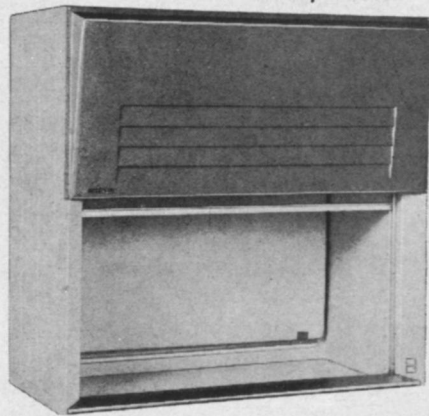
Your occupation, please \_\_\_\_\_ SO2 \_\_\_\_\_

## All fume hoods aren't created equal.

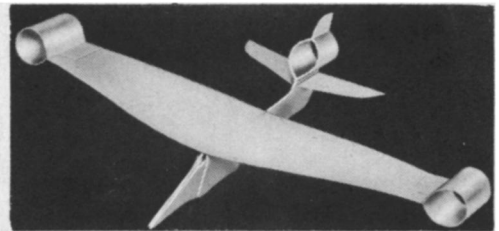
Only Labconco offers all these features in a laboratory fume hood. 47", 59" and 70" wide models with exteriors of tough scratch-proof plastic. Rugged, fire and chemical resistant, molded, one-piece fiberglass inside. Front access panels in vibrant yellow, copper, olive, light or dark blue colors. With or without factory installed service fixtures. With or without powerful motors and adjustable blowers (explosion proof or standard). Each hood shipped complete, ready to plug in and use.

Ask your laboratory supply dealer or write today for fully illustrated color catalog. Dept. 8825, Labconco Corporation, 8811 Prospect, Kansas City, Mo. 64132

**LAB CON CO** . . . where new ideas become better products.



## FLY the WINNERS of the GREAT INTERNATIONAL PAPER AIRPLANE CONTEST



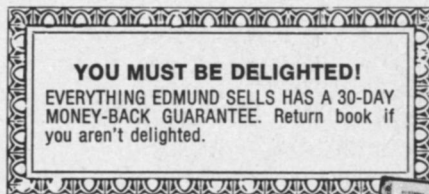
Now you can make and fly 20 of the most unusual paper airplanes in the world. All are replicas of the winning entries in SCIENTIFIC AMERICAN's First International Paper Airplane Competition. Fantastic 128-page book has all 20 on perforated pages so you can easily tear them out, fold on the printed lines, and watch them go. You won't believe how they fly, and the records they achieved! See if you can match them. Big 9" x 11 1/4" volume includes plans of all winners, time-aloft records, photographs, technical data, commentary.

Young and old alike will be fascinated by this

official paperback by Mander, Dippel & Gossage. It's easy to read, highly entertaining and very practical for countless, amusing flying hours. The planes are wild and the information about them will make you a confirmed airplane buff, if you aren't already. The book will inspire your own "best aircraft engineer" contest . . . have you modifying and making your own models. It's a great way to learn to "fly" and maneuver various paper planes, even use them to send messages.

The various models in the book also make intriguing "place cards" at parties . . . and the book itself can be a cherished prize for party game winners.

Order No. 9391Q JUST \$2.95 Ppd.



### YOU MUST BE DELIGHTED!

EVERYTHING EDMUND SELLS HAS A 30-DAY MONEY-BACK GUARANTEE. Return book if you aren't delighted.

### GIANT FREE CATALOG!

NEW! 164 PAGES—OVER 4500 UNUSUAL BARGAINS FOR HOBBYISTS, SCHOOLS, INDUSTRY . . . JUST CHECK COUPON!



### EDMUND SCIENTIFIC CO.

300 Edscorp Bldg., Barrington, N.J. 08007  
 America's Greatest Science•Optics•Hobby Mart  
 Helping develop America's Technology for over 30 years

### COMPLETE AND MAIL COUPON NOW

EDMUND SCIENTIFIC CO.  
 300 Edscorp Bldg., Barrington, N.J. 08007

Enclosed is  Check  M.O. in amount of \$ \_\_\_\_\_

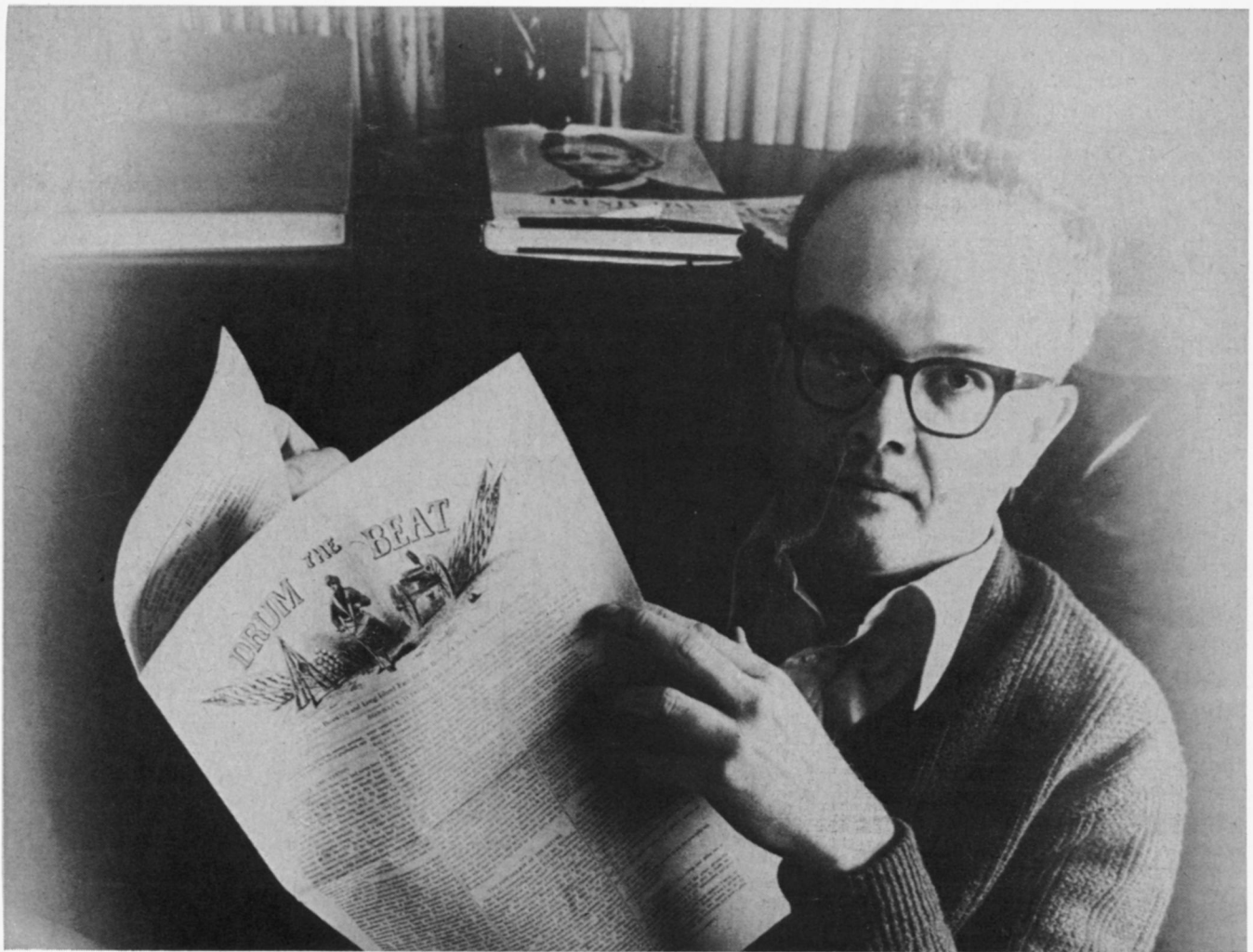
Send me:  
 Great Int'l. Paper Plane Book(s) at \$2.95 ea.  
 FREE 164-page Catalog "Q" (No. 9391Q)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_



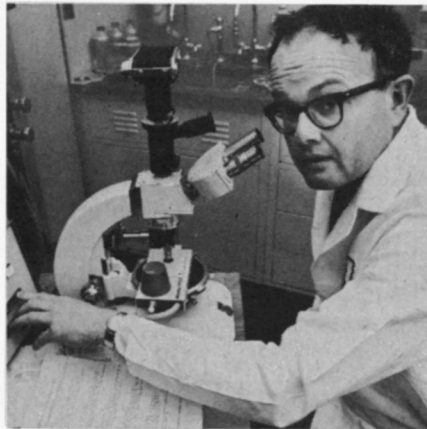
## After a hard day peering at the future through a microscope, Dr. George Smith relaxes with an old war.

Dr. George Smith is a senior research physicist at the Research Laboratories of the General Motors Technical Center. There, he studies the strange and useful properties of materials in a state of matter known as liquid crystal.

Liquid crystals have been known since the 1880's, but only recently, through the work of scientists like Dr. Smith, have they become useful for such functions as light-controlled information display.

One out of every 200 organic compounds can exist as a liquid crystal in certain temperature ranges, when it's not cool enough to be a solid, nor warm enough to be a true liquid. A

liquid crystal flows like a liquid, but has structural properties and affects light—like a solid. Liquid crystals show promise for such products as digital information displays for use on



automotive instrument panels.

Outside the laboratory, Dr. Smith is a student of the Civil War, and possesses a fine collection of books, newspapers and other memorabilia that chronicles the era. A past President of a Civil War Roundtable, Dr. Smith and his fellow club members have used their knowledge to help make history come alive for school groups and other organizations.

Dr. George Smith is a fine example of the kind of interesting person who works at GM to improve the quality of life for all of us.



# General Motors

Interesting people doing interesting things.

NOTE: This advertising is being sponsored by General Motors in several youth publications. It is hoped that the subjects featured will serve to increase teenager interest in scientific studies and can be used, perhaps, to show how the things your students are learning are utilized in actual industrial activities. Reprints of this ad are available upon request. Simply write to General Motors, Advertising & Merchandising Section, P. O. Box 5446, Detroit, Michigan 48211.