

25c



March 18, 1967

VOL. 91 NO. 11 Pages 249-272

SCIENCE NEWS

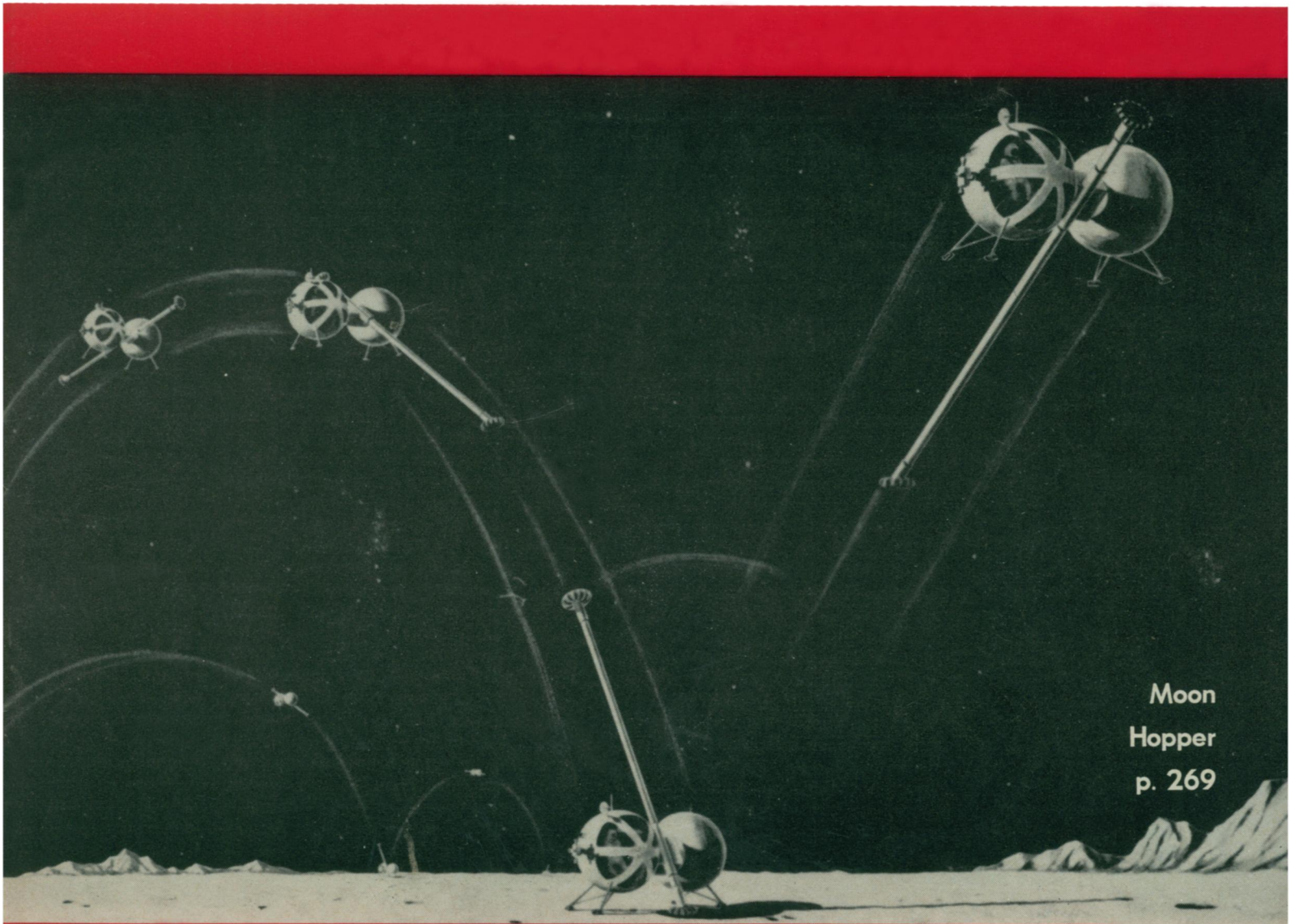


SCIENCE NEWS LETTER®

THE WEEKLY SUMMARY OF CURRENT SCIENCE

Science Talent Search

page 259



Moon
Hopper
p. 269

A SCIENCE SERVICE PUBLICATION



SPECIAL INTRODUCTORY OFFER

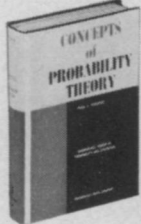
**Now...keep pace with today's scientific advances
—build your own home science library at low cost**

as a Trial Member of the

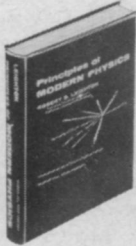
HALL OF SCIENCE BOOK CLUB



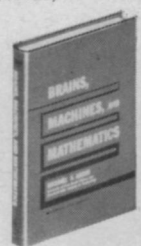
6. Assault on the Unknown—Sullivan (List Price \$8.50, Club Price \$7.25)



16. Concepts of Probability Theory—Pfeiffer (List Price \$14.75, Club Price \$12.55)



13. Principles of Modern Physics—Leighton (List Price \$13.50, Club Price \$11.50)



9. Brains, Machines & Mathematics—Arbib (List Price \$6.95, Club Price \$5.90)



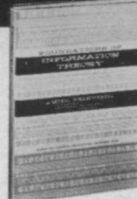
18. Beyond Automation—Diebold (List Price \$7.50, Club Price \$6.40)



7. An Introduction to Scientific Research—Wilson (List Price \$7.95, Club Price \$6.75)



1. Exploring the Universe—ed. Young (List Price \$7.95, Club Price \$6.75)



21. Foundations of Information Theory—Feinstein (List Price \$7.50, Club Price \$6.40)



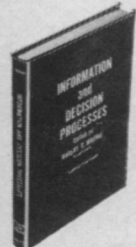
17. Mathematical Bafflers—Dunn (List Price \$6.50, Club Price \$5.50)



3. Computability and Unsolvability—Davis (List Price \$8.95, Club Price \$7.60)



11. Space Flight—Sanger (List Price \$6.95, Club Price \$5.90)



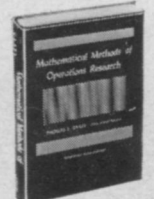
19. Information and Decision Processes—Machol (List Price \$6.50, Club Price \$5.50)



8. Tomorrow's Weapons—Rothschild (List Price \$6.95, Club Price \$5.90)



20. Machinery of the Brain—Woodruff (List Price \$5.95, Club Price \$5.05)



15. Mathematical Methods of Operations Research—Saaty (List Price \$12.00, Club Price \$10.25)

START BY TAKING ANY

3 OF THESE UP-TO-DATE BOOKS

(values up to \$40.25)

\$1 with Trial Membership

FOR ONLY

SELECT any three **FOR JUST A DOLLAR!** Choose from *Space Flight*, *Principles of Modern Physics*, *Mathematical Bafflers*, twelve other important titles... your introduction to membership in the extraordinary new **HALL OF SCIENCE BOOK CLUB**.

If you want to keep alert to the growth and impact of today's science—and do so economically—then here's the answer. All books are chosen for their practical, popular, and professional appeal... all add new dimensions to your understanding of the ideas, discoveries, and achievements of science. By joining the **HALL OF SCIENCE BOOK CLUB**, you avoid the bother of searching and shopping... and you save an average of 15% from publisher's prices!

How the Club operates. Periodically you will receive the Club's announcement of the forthcoming feature selection as well as alternate selections which are available at special members' prices. When you want to examine the featured book, you do nothing and it will be mailed to you. If you prefer one of the alternates—or if you want no book at all—simply return the convenient enclosed card. We ask you to agree only to take three books in a year.

Send no money now. Just indicate any four books you want—three for \$1.00 and one as your first selection at the special Club price—in the coupon at right. Take advantage of this trial offer now—get four books for less than the regular price of one!

Mail to HALL OF SCIENCE BOOK CLUB

McGraw-Hill, Inc., 330 West 42nd St., New York, N.Y. 10036

Please enroll me as a Trial Member and send the 4 books indicated below. You will bill me for my first selection at the special Club Price and \$1 for my three new membership books, plus local tax where applicable, and a few additional cents for delivery costs. As a member, I agree to buy as few as three more selections during the next 12 months.

My Three Books for \$1.00

My First Selection

NAME _____ (please print)

ADDRESS _____

CITY _____

STATE _____ ZIP _____

(This offer good in United States only) H36013

SCIENCE NEWS . . .

Vol. 91

March 18, 1967

No. 11

. . . OF THE WEEK

- 255** Brain drain inquiry started
- 256** The draft: science no shield
U.S.S.R. seeks SST sales
- 257** Flexible accelerator in design
- 258** Crime linked to chromosomes
New theory of supernova
Court rules against Rand vaccine
Survey ship launched

. . . IN SCIENCE FIELDS

- Talent Search** **259** The big week; the winners
- Linguistics** **265** Machine translation needs language talent
- Physics** **266** Fission-track dating breeds more applications
- Lunar Exploration** **269** Weird locomotion for moon explorers

DEPARTMENTS

- | | |
|--|--|
| <ul style="list-style-type: none"> 264 Earth and Environment 250 Medical Sciences Notes 250 Physical Sciences Notes 263 Technology Notes | <ul style="list-style-type: none"> 271 Films of the Week 252 Letters to the Editor 252 Nature Note 263 New Ideas and Gadgets 268 Books of the Week |
|--|--|

Subscription rate: 1 yr., \$6.50; 2 yrs., \$11.50; 3 yrs., \$16.50. Special trial offer for new subscribers only: 39 weeks, \$3.43. 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.

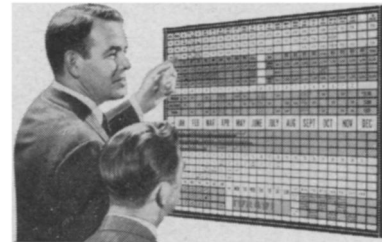
Published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D. C. 20036. NORTH 7-2255. Cable Address: SCIENSERV.

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; 800 Broadway, Suite 1100, Cincinnati, Ohio, 721-1254; Suite 211, Braniff Building, Dallas, Texas, FL 7-3847; 908 E. Northland Tower, Southfield, Michigan, 444-4595; 6363 Wilshire Blvd., Los Angeles, Calif., OL 3-0026; Room 1522, Philadelphia National Bank Building, Philadelphia, Pa., LO 3-6275; Central Tower Building, 703 Market St., San Francisco, Calif., GA 1-5187; Suite 417, 3384 Peachtree Rd. S.E., Atlanta, Georgia, 261-5171.

GRAPHIC VISUAL CONTROL



You Get Things Done Better And Faster

The BOARDMASTER saves time, cuts costs and prevents errors. You see what is happening. Shows facts at eye level. For Production, Scheduling, Inventory, Sales, Traffic, Etc.

Simple to operate. Write on cards, post on board. Fully flexible. Million in use. Price \$49.50 with cards.

FREE 24 Page BOOKLET No. V-10
Mailed Without Obligation

GRAPHIC SYSTEMS, Box 398, Yanceyville, N.C.

ASTRONOMY

For You Each Month!

Enjoy SKY AND TELESCOPE magazine, devoted to astronomy and space science. Profusely illustrated. Observing and telescope making departments, monthly planet and star charts. Subscription in U.S.: \$6.00, 1 year; \$11.00, 2 years. Sample copy 60 cents.

SKY AND TELESCOPE Dept. SNL
Cambridge, Mass. 02138

FOUNTAIN PEN STYLE

MICROSCOPE-TELESCOPE

Miniature miracle only 6" in length collapsed, 7 1/2" extended! 8X Telescope provides close-up views at great distance! 30X Microscope portion enlarges tiny objects with incredible detail! Excellent for hi-fi needle inspection, security services, coin or stamp collectors, bird watchers, etc. Order now! U.S. shipments prepaid. . . . Mail \$1.98 to GIL-MAR ENTERPRISES, INC. SN19, P.O. Box 395, Miami Shores, Fla. 33153

Are You A Bore?

A noted publisher in Chicago reports a simple technique of everyday conversation which can pay you real dividends in social and business advancement and works like magic to give you poise, self-confidence and greater popularity.

According to this publisher, many people do not realize how much they could influence others simply by what they say and how they say it. Whether in business, at social functions, or even in casual conversations with new acquaintances there are ways to make a good impression every time you talk.

To acquaint the readers of this publication with the easy-to-follow rules for developing skill in everyday conversation, the publishers have printed full details of their interesting self-training method in a new book, "Adventures in Conversation," which will be mailed free to anyone who requests it. No obligation. Send your name, address and zip code to: Conversation, 835 Diversey Parkway, Dept. 540-013, Chicago, Ill. 606014. A postcard will do.—Advertising