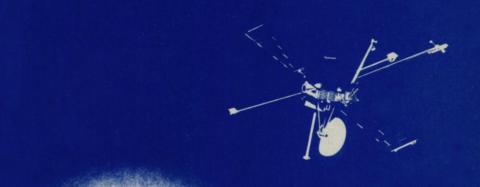
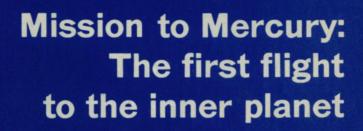
# science news





Protein-rich sorghum / The biology of memory / Atmosphere on Ganymede

Oldest sedimentary rocks / Critical look at FDA

# **FIX CLOCKS & WATCHES**

FOR FUN & PROFIT!
Fascinating new Handbook by master craftsman H. G. Harris gives you the kind of knowledge skilled watchmakers learn. OVER 200 ILLUSTRATIONS show how to install hands, dials, crystals, mainsprings, stems. . rehouse old movements in modern cases . . speedly cure many troubles by demagnetizing or cleaning, etc. INSTRUCTIONS COVER every popular watch and clock, chimes, grandfathers, cuckoo, everyday als electric clocks. Handbook tells you where to but where to send overflow work for repairs at sale prices as business expands! Friends gladly to \$50 for restoring cherished timepieces. Try the BOOK OF WATCH AND CLOCK REPAIRS te

Rush \$5.95, plus 30c handling on 10-Day money-back guarantee.

EMERSON BOOKS, Inc., Dept. 63A Reynolds Lane, Buchanan, New York 10511



## Math "Bug" You?

LEARN MATH AND ENJOY IT! Impossible? Not with MATHEMATICS FOR EVERY-MAN, a self-teaching man-ual guaranteed to increase your math know-how. From Simple Numbers to the Cal-

Simple Numbers to the Calculus.

"The author assumes no previous acquaintance with mathematics, and advances the reader . . . by patient, carefully-phrased exposition and by building the discussion step-by-step."—New Technical Books (of the New York Public Library).

Learn math at home comfortably and at minimum cost.

mum cost.

MATHEMATICS FOR EVERYMAN by Egmont Colerus. \$5.95, Plus 30¢ anadling. ORDER NOW! 10-Day Money-Back Guarantee. EMERSON BOOKS, Inc., Dept. 62A Reynolds Lane, Buchanan, N.Y. 10511

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

Science New	ience News Subscription Dept. st Center St., Marion, Ohio 43302 me   \$10 enclosed.
☐ Bill me	☐ \$10 enclosed
Name	
Address	
City	State Zip

Your occupation, please

Now! Second enlarged edition of the fascinating story of the circle ratio from pre-history to the computer

# A HISTORY OF 77

by Prof. Beckmann (Univ. of Colorado). A profusely illustrated, enthralling account, loaded with historical anecdotes and oddities (a verse in the Bible implies  $\pi=3$ ; an American legislature tried to législate a wrong value of  $\pi$ ; poems coding the decimal digits of  $\pi$ ; and hundreds more). End sheets imprinted with the first 10,000 decimal digits of  $\pi$ . Widely acclaimed as an excellent and entertaining book; first edition sold out in less than one year!

"A pure delight... Entirely offbeat, which gives it its charm"

"The Denver Post "A cheerful work"

—Scientific American
"A very readable account"

-Science "For those seriously concerned with the history of mathematics, yet written in easy style"

-Choice

196 pp.

91 illustr. 6×9 cloth

### \$6.30 postpaid

from: The Golem Press, Box 1342-S, Boulder, Colorado 80302. If not satisfied, return book within 10 days for instant cash refund.



All DYNASCOPES, including this superb RV-6, 6-inch available on easy terms!

Now it's easy to join the thousands of serious amateurs who have discovered the excitement of exploring our mysterious universe. Your enjoyment begins right from the start, yet the challenges and rewards go on for years! And it's a hobby that can be shared at modest cost.

199.95

# Choose from a Full Range Of DYNASCOPES® 4" Starting at \$49.95

Picking a telescope to fit your needs and your pocketbook is simple when you select a DYNASCOPE — the same instruments used by more than 150 schools, colleges and observatories. Prices begin as low as \$49.95, and your satisfaction is guaranteed by a full-refund warranty.

FASCINATING GUIDE
YOURS FREE!
Read these valuable facts before buying any telescope. Mail
coupon or postcard for your
complimentary copy of this
helpful guide.

Criterion Manufacturing Co. 331 Church St., Hartford, Conn. 06101

® TM Registered U. S. Pat. Office

CRITERION MANUFACTURING CO., Dept. NL27 331 Church St., Hartford, Conn. 06101 Please send your free Telescope Guide. Name Address City\_ State.

# **WEATHER ST**

K



THOUSE OF

### YOU MUST BE DELIGHTED

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

### **GIANT FREE CATALOG!**

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



S011

MIN

### 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

### lets you make your own predictions

Have the fun of building your own complete, professional weather station. Then, with the know-how this kit gives you, enjoy checking your predictions against the pro's! See if your forecasts match those of the press, radio, TV and official meteorological stations. You may be righter than they are!

Surprisingly low in cost, the kit comprises top quality materials for a rugged weather station that will give you years of service, and pleasure. It features a remote reading anemometer with windvane. Its indoor indicator board flashes neon lights to show wind speed and direction (at less than a penny a month for electricity). All connections are safe. The safety power cord holds current to less than

Also included are a sensitive air-tank barometer with 2ft. indicator column; a sling psychrometer that measures relative humidity; a rain gauge with calibrated scale tube that measures to 1/100th of an inch; 100 ft. of lead-in wire, a cloud chart and a forecasting manual. Send for this kit now and you're on your way to becoming an amateur meteorologist with pro know-how!

ORDER NO. 71,022Q JUST \$17.00 Ppd.

### **COMPLETE AND MAIL COUPON NOW**

EDMUND SCIENTIFIC CO. Son Edscorp Bldg., Barrington, N.J. 08007
Encl. is Check M.O. in amount of Send me: "'Pro'' Weather Station Kit(s) at \$17.00 ea. (No. 71,022Q) add 50¢

handling charge

☐ FREE 164-page Catalog "Q" Name.

Address City\_

State-Zip-