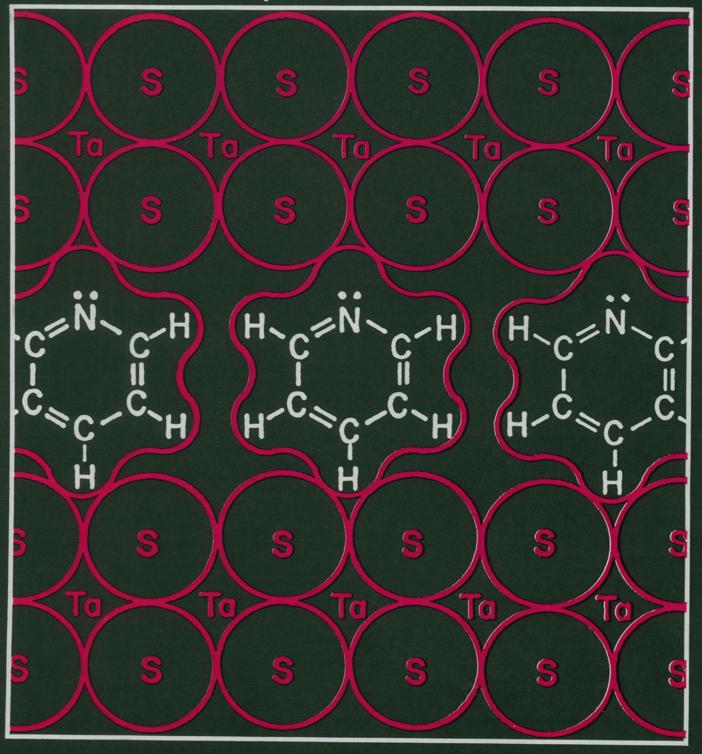


Two-dimensional superconductors



science news®

OF THE WEEK

597

science news

Sandwiches of metals and organic compounds could lead to high-temperature superconductivity, say some physicists. Others disagree. See p. 602. (Photo: Gamble/Science)

A Science Service Publication Vol. 97/June 20, 1970/No. 25 Incorporating Science News Letter

Watson Davis, 1896-1967 Publisher: E. G. Sherburne Jr.

Editor: Warren Kornberg

Managing Editor: Carl Behrens

DEPARTMENTS

Aerospace: Everly Driscoll

Behavioral Sciences: James Moriarty **Chemistry and Engineering:** Edward Gross

Earth Sciences: Kendrick Frazier

Environmental Sciences: Richard H. Gilluly

Life Sciences: Barbara J. Culliton

Medicine: Jeanne Bockel
Physics and Astronomy:
Dietrick E. Thomsen

Copy Editors: Nadine Clement

Faye Marley

Production: Robert Trotter

Production Assistant: Maureen Gearty

Books: Margit Friedrich

Editorial Assistant: Esther Gilgoff

Advertising: Scherago Associates, Inc.

Circulation: Marcia Nelson

595 Hydrogen for star-making

Research head at HEW Diabetes drug hassle

Challenger does it twice Carbon fiber glitches

Long road for Apollo 14 Compromising on drug laws

599 Contraceptive pill warning

Newsbriefs: Space record; Cloud seeding; Solid waste; Health insurance; Ocean research; Methadone; Drug suit; Oil leaks; Tornado damage

.....3-

592 Aerospace: Lunar station techniques; Zero-gravity effects; Space station modules; Providing variety; Shuttle problems

605 Engineering Sciences: Radial engines; Helium power; Tapping geothermal energy; Engines from clay; Automated ship system; Graphite fiber testing

FROM ABROAD

604 Letter from Copenhagen: Concentration camp syndrome

IN SCIENCE FIELDS

601 Medicine: X-rays and fudge

602 Physics: New potential for superconductivity

594 Films of the Week

Letters to the Editor

Books of the Week

SCIENCE SERVICE

Institution for the Popularization of Science founded 1921; a non-profit corporation

Board of Trustees—Nominated by the American Association for the Advancement of Science: Athelstan F. Spilhaus, West Palm Beach, Fla.; Wallace R. Brode (Treasurer), American Chemical Society, Washington, D. C.; Bowen C. Dees, Franklin Institute, Philadelphia, Pa. Nominated by the National Academy of Sciences: Henry Allen Moe, The Clark Foundation; Harlow Shapley, Cambridge, Mass.; Allen V. Astin, Bethesda, Md. Nominated by the National Research Council: Glenn T. Seaborg (President), U.S. Atomic Energy Commission; Leonard Carmichael, National Geographic Society. Nominated by the Journalistic Profession: O. W. Riegel (Secretary), Washington and Lee University; Gordon B. Fister, Call-Chronical Newspapers. Nominated by the Edward W. Scripps Trust; John Troan, Pittsburgh Press; Ludwell Denny, Monterey, Calif.; Edward W. Scripps III (Vice President), Edward W. Scripps Trust.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Staff, Youth Division, Howard Weisbrod; Things of Science, Ruby Yoshioka.



TERRIFIC BUY! TOP QUALITY!

PRICE BREAKTHROUGH IN LARGE SIZE

OPAQUE PROJECTOR

"Best Opaque of its Kind Under \$200"

EASY NEW FUN WAY TO LEARN EDP!



T NEW FUN WAY TO LEARN EDP!

Unique new game of skill and chance from the fascinating world of computers. Easily learn skills and speed of EDP. Think and talk like a computer programming expert after only two rounds. Outmaneuver your opponent with real "flow charts."

Use simple math to "bug" other players or ogramming career. 200 pleces for beginners or adneed challengers.

vanced challengers. Stock No. 71,259Q



Completely assembled. Instant - starting withrea times power output of comparable models. Steady, ripple-free light of moderate (safe) power. Excellent collimation. Particularly useful for studies, experiments in holography, interferometry, diffraction, optical alignment, Simple and safe to use—just plug and safe to use—just plu







AMAZING "TRICK" PHOTOGRAPHY KIT



Stock No. 71,229Q ___ _____ \$10.50 Pnd

ROTATING MULTI-COLORED LIGHT

50-150-300 POWER MICROSCOPE

Amazing Value—3 Achromatic Objective Lenses on Revolving Turret Inported: Central Color Comparity of the Color Central Color Central Color Central Cen

Fine rack and pinion focusing. Stock No. 70,008Q _____

MOUNTED 500 POWER OBJECTIVE: THREADED ACHROMATIC LENSES, 3mm F.L

NEW LOW-COST WATER "STILL"



BATTERY POWERED GYROSCOPE



WOODEN SOLID PUZZLES

Here's a fascinating assortment of 12 different puzzles to provide hours of pleasure and stimulate ability to think and reason. Animais and geometric forms. Take them apart and reassemble them. Lots of fun for the whole family—young and old. Will test skill, patience and ability to solve problems. Order yours now.



Stock No. 70.205Q _

MAIL COUPON FOR GIANT FREE CATALOG





Address

Break the Hate Habit.

Hate Blacks! Hate Whites! Hate Jews! Hate Gentiles! What sane person needs any of that noise? So how do you turn it off? With love. And all the caring, kindness and consideration that love means. Start today, lover.



Break the hate habit: love your neighbor.





PAPERBACK CATALOG

260 pages listing 15,000 interesting, informative and educational paperback titles, subject indexed, all categories. Send \$1.00.

categories. Send \$1.00.
INTRODUCTORY BONUS OFFER: Order catalog now and receive a FREE high-quality interesting paperback book plus FREE Catalogs of Publishers' hardcover overstocks & L.P. record listings. Hundroder

Savings from 40% to 84%.

Savings 110th 40 % to 64 %.

Free details on lifetime savings plan.
Current HD BD Reviews too. Everything for ONLY \$1.00.

The New York Book and Record Co. Dept. 35
4 West 43rd St. New York, N.Y. 10036
Substantial Savings. When in N.Y.C.
visit & browse.

Learn Computer Logic!

Comp-U-Kit Logic Lab will introduce you to computer logic thru dozens of fascinating experiments, games and puzzles. Ten powerful computer circuits, 20 patchcords and an outstanding book for only \$39 postpaid. Catalog free.

Scientific Measurements C115, 9701 Kenton, Skokie, Ill. 60076



A Full Fledged Manual Calculator For Just \$89

If you spend even thirty minutes a day with figures, the MULTATOR-4 makes a lot of sense. Now you can save time and costly mistakes without making a major capital investment. The MULTATOR-4 is a German made, precision engineered product that performs every arithmetical operation and even has a few unusual tricks up its sleeve, even has a few unusual tricks up its sieeve, such as automatic re-entry of intermediate products and read-out of credit balances. MULTATOR-4 weighs less than 4 lbs., is all steel and hylon and is fully guaranteed for one year. Complete repair service available.

Please	send	me	the	MULTATOR-4	\$89
Execut	ive Ca	arry	Cas	e \$10	

My check for the above, plus \$2 for postage and insurance, is enclosed (Calif. residents add 5% tax).

lame				

Address_

haverhills 584 Washington Street San Francisco, CA 94111

