SCIENCE NEWS



A Science Service Publication

Vol. 92

July 29, 1967

No.

Watson Davis, 1896-1967

E. G. Sherburne Jr., Editor
Warren Kornberg, Managing Editor
Frank Sartwell, News Editor

DEPARTMENTS

Aerospace:

Jonathan Eberhart

Earth and Environment:

John Ludwigson

Life Sciences:

Barbara J. Culliton

Medicine:

Faye Marley

Physical Sciences and Astronomy:

Ann Ewing

Physical Sciences and Technology:

Carl Behrens

Social Sciences:

Patricia McBroom

Contributing Writer:

Barbara Tufty

New Ideas and Gadgets:

Ruby Yoshioka

Production Editor:

Marilyn Raleigh

Copy Desk:

Nadine Clement

Books:

Margit Friedrich

Advertising Director:

Louis D. Young

Circulation Manager:

Marcia Nelson

SCIENCE SERVICE

The Institution for the Popularization of Science organized 1921 as a non-profit corporation

organized 1921 as a non-profit corporation

Board of Trustees—Nominated by the American Association for the Advancement of Science: Atheliatan F. Spilhaus, University of Minnesota; Wallace R. Brode,*** Washington, D.C.; Bowen C. Dees, University of Arizona. Nominated by the National Academy of Sciences: Henry Allen Moe, The Clark Foundation; Harlow Shapley, Harvard College Observatory; Allen V. Astin, National Bureau of Standards. Nominated by the National Research Council: Glenn T. Seaborg,* U.S. Atomic Energy Commission; Leonard Carmichael, National Geographic Society; John R. Whinnery, University of California. Berkeley. Nominated by the Journalistic Profession: O. W. Riegel, ****Washington and Lee University; Gordon B. Fister, Call-Chronicle Newspapers; Eugene Patterson, Atlanta Constitution. Nominated by the Scripps Estate: John Troan, Pittsburgh Press; Ludwell Denny, Scripps-Howard Newspapers; Edward W. Scripps II,** Edward W. Scripps Trust. * President, *** Treasurer, **** Secretary.

Director: E. G. Sherburne Jr. Assistant Director: Dorothy Schriver.

Staff: Science Youth Division: Joseph H. Kraus, Lloyd Ulmer. Photography: Fremont Davis. Syndicate Sales: Forrest L. Snakenberg.

Copyright © 1967 by Science Service, Inc. Republication of any portion of SCIENCE NEWS is strictly prohibited.



SCIENCE NEWS . . .

Vol. 92 — July 29, 1967 — No. 5 -

. . . OF THE WEEK

101 SST grows wings, loses hinges . . .

102 . . . While, on the ground, the booms are worrisome

103 Caribbean fruit fly in Florida

Hope for saving the estuaries

Pygmy stars cause a stately debate

A new filter enters the tar derby

105 Drug industry battles Federal rules

. . FROM ABROAD

106 Mexico: Ancient apartments115 Geneva: WHO aims at worms

. . . IN SCIENCE FIELDS

110 Hansen's disease: Science cleanses the leper

112 Marine engineering: Undersea hot rods

117 Gamma-ray astronomy: A science in search of itself

DEPARTMENTS -

114	Books of the Week	100	Nature Note
108	Earth and Environment Notes	118	New Ideas and Gadgets
115	Films of the Week	98	Patents
109	Medical Sciences Notes	119	Physical Sciences Notes
	107 Social Sc	iences	Notes



COVER—Contour map of the Milky Way galaxy, showing the concentrations of atomic hydrogen atoms as obtained from radio astronomical measurements of the 21 centimeter hydrogen line. When multiplied by a factor, the contours, which remain the same, show the expected gamma ray intensity for the Milky Way. The solar system is located on the left about two-thirds of the way from the center and slightly above the equatorial plane. P. 117

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.

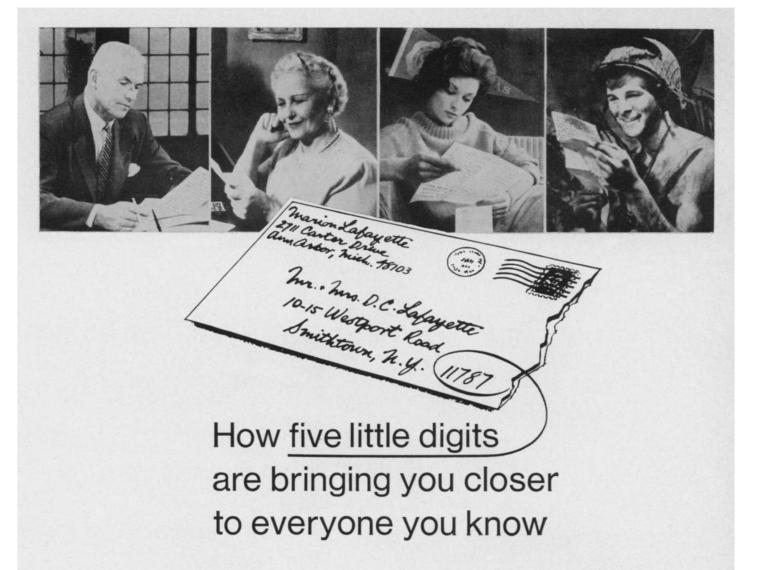
Printed in U.S.A. Second class postage paid at Washington, D. C. Established as Science News Letter® in mimeograph form March 13, 1922. Title registered as trademark U. S. and Canadian Patent offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide, and the Engineering Index. Member 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.

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, III., SU 7-3355; 800 Broadway, Suite 1100, Cincinnati, Ohio, 721-1254; Suite 211, Braniff Building, Dallas, Tex., FL 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. 261-5171.



How long does it take a letter to travel from a man in Portland, Maine, to his grandmother in the Houston Medical Center? From a woman in Oklahoma City to her soldier son in Fort Bragg, North Carolina? From a girl at the University of Michigan to her parents in Smithtown, New York?

Maybe overnight. Maybe longer.

Because every letter must go through many post offices before it reaches its destination. And since the volume of mail keeps growing at every post office, each letter may wait a little longer to be sorted.

But now there's a new way to get the mail through faster—and bring you closer to everyone you know.

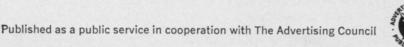
It starts with those five little digits you know as Zip Code. With Zip, postal workers can sort mail faster and route it more directly. With Zip, they will use modern electronic machines that "read" Zip numbers and sort mail fifteen times faster than ever before!

Many people use Zip Codes. But those who don't are holding up the mail for themselves and everyone else.

Add Zip Code to every mailing address—and to your return address, too. Then others can easily Zip their mail to you. When you don't know a Zip Code, call your post office or look it up in their Zip Directory.

Remember those five little digits. They're doing a big job.

Mail moves the country—ZIP CODE moves the mail!





HOW ZIP CODE WORKS

Suppose the Zip Code is 60635. The "6" says it goes to the Midwest. The "06" narrows it down to Chicago. The last two digits—"35"—pinpoint the local post office. This eliminates many handling procedures. The letter is sorted faster, and sent more directly to its destination.

