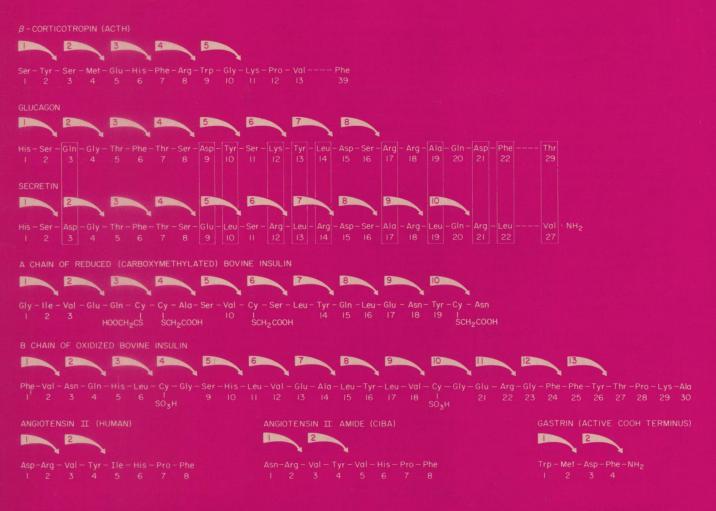
science news

Migrating metals on the moon



Studying the degradation of proteins

science news

A Science Service Publication Vol. 101/Jan. 1, 1972/No. 1 Incorporating Science News Letter

Watson Davis, 1896-1967

Publisher: E. G. Sherburne Jr.

Managing Editor: Kendrick Frazier

DEPARTMENTS

Aerospace: Everly Driscoll

Behavioral Sciences: Robert J. Trotter

Earth Sciences: Louise Purrett

Environmental Sciences: Richard H. Gilluly Medical Sciences: Joan Lynn Arehart Physical Sciences: Dietrick E. Thomsen

Copy Editor: Nadine Clement Production: E. Cherry Doyle

Production Assistant: Esther Gilgoff

Books: Margit Friedrich

Advertising: Scherago Associates, Inc. Circulation Manager: Lawrence L. Cope

Copyright © 1972 by Science Service, Inc., 1719 N Street, N.W., Washington, D.C. 20036. Republication of any portion of SCIENCE NEWS is strictly prohibited.

SUBSCRIPTION DEPARTMENT 231 WEST CENTER STREET MARION, OHIO 43302

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50; 3 yrs., \$19.50. Special trial offer: 39 weeks, \$3.97. Single copy, 25 cents. \$1.00 per year for foreign postage. Change of address: Four to six weeks' notice is required. Please state exactly how magazine is to be addressed. Include zip codes.

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 last Science News of June and December, 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 SER-VICE, Inc., 1719 N St., N.W., Washington, D.C. 20036. 202—785-2255. Cable Address: SCIEN-SERV.

ADVERTISING STAFF
Director: EARL J. SCHERAGO
Advertising Sales Manager:
RICHARD L. CHARLES
Sales Director:
FRED W. DIEFFENBACH
Production Manager
BONNIE F. SEMEL

Address all advertising to Scherago Associates, 11 W. 42nd St., New York, N.Y. 10036.

Sales: New York, N.Y. 10036: Herbert L. Burklund, 11 W. 42 St. (212-PE-6-1858); Scotch Plains, N.J. 07076: C. Richard Callis, 12 Unami Lane (201-889-4873); Medfield, Mass. 02052: Richard M. Ezequelle, 4 Rolling Lane (617-444-1439); Chicago III. 60611: John P. Cahill, Room 2107, 919 N. Michigan Ave. (312-DE-7-4973); Beverly Hills, Calif. 90211: Winn Nance, 111 N. La Cienega Blvd. (213-657-2772).

OF THE WEEK

- 5 AAAS meets in Philadelphia: Self-examination amid confusion and confrontation
- 6 Noise is how you feel about it
- 7 How hormones work on cell genetics Even aspirin can be an abused drug
- 8 Sex hormones before birth may mean high IQ
- 10 Earth Sciences: Evolution of the Canary Islands; Determining past weather; Anomalies in the Pacific

Physical Sciences: Perturbed black holes; Analyzing superheavy elements; Organic compounds in a carbon star

11 Behavioral Sciences: L-dopa studies; Prostitutes test anti-VD drug; Accepting genetic differences

Environment: Predicting pollution; Back to soap

IN SCIENCE FIELDS

12 Space science: Interpreting lunar samples

14 Biochemistry: Recycling proteins

2 Books of the Week

4 Letters to the Editor



Dipeptidyl aminopeptidase is the name of a class of enzymes that break up peptide hormones by severing every second chemical bond. These and other protein-degrading hormones are being investigated in studies of how cells break up proteins. See p. 14. (Chart: J. Ken McDonald)

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: Wallace R. Brode (Treasurer), American Chemical Society. Washington, D.C.; Bowen C. Dees, The Franklin Institute, Philadelphia, Pa.; Athelstan Spilhaus, Woodrow Wilson International Center for Scholars, Washington, D.C. Nominated by the National Academy of Sciences: Gerald F. Tape, Associated Universities, Washington, D.C.; Allen V. Astin, National Bureau of Standards, Washington, D.C.; Frederick Seitz, Rockefeller University, New York, N.Y. Nominated by the National Research Council: Leonard Carmichael, National Geographic Society, Washington, D.C.; Jacob Rabinow, Control Data Corp., Rockville, Md.; Glenn T. Seaborg (President), University of California, Berkeley, Calif. Nominated by the Journalistic Profession: Gordon B. Fister, Call-Chronicle Newspapers, Allentown, Pa.; Julius Duscha, Washington and Lee University, Lexington, Va. Nominated by the E. W. Scripps Trust: Milton Harris, Washington, D.C.; Geward W. Scripps II (Vice President and Chairman of the Executive Committee), Edward W. Scripps Trust, New York, N.Y.; John Troan, Pittsburgh Press, Pittsburgh, Pa.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Business Manager: Donald R. Harless; Staff: Youth Division: Owen Basil; Things of Science: Ruby Yoshioka.

Today's Saturday Review is full of important ideas

The first and most important idea is to use the order card or coupon provided to start America's thought-weekly coming to you regularly. At substantial savings.

Ideas are the driving force of today's knowledge society. The launching pad for what we think and talk about . . . how we live, act, and react.

Ideas are the driving force of today's expanded SATURDAY REVIEW. The launching pad for articles and features that make news and conversation, stimulate thought and action every week.

SR articles are timely and relevant. Written by experts who express their viewpoints and concerns . . . offer sound, workable solutions for today's problems and tomorrow's challenges. A few examples from recent issues:

The Dossier Invades the Home by Ralph Nader

The Making of a Conservationist by Walter J. Hickel

Mercury: How Much Are We Eating? by Peter and Katherine Montague

What New Role for the People's Republic of China? by Richard C. Hottelet

The Sexes: Getting It All Together by Faubion Bowers

Fiction as a Social Gathering by Alfred Kazın

The Failure of Federal Gun Control by Carl Bakal Youth Revolt: The Future Is Now by Margaret Mead

In addition, Saturday Review brings your way one of the most vigorous editorial pages in America . . . wide-ranging feature columns that combine wit, wisdom, and opinion . . . delightful cartoons . . . material by — and for — religious leaders of all faiths . . . and those fascinating brain teasers: Double-Crostics, Literary I.Q., Wit Twisters, and Literary Cryptograms.

TWELVE MAGAZINES FOR THE PRICE OF ONE

SATURDAY REVIEW covers the subjects that influence, interest, and concern you. The magazine that started as the SATURDAY REVIEW OF LITERATURE is now the SATURDAY REVIEW of Literature . . . U.S. and World Affairs . . Environment . . MultiMedia (including Music and Recordings) . . Education . . . Communications . . . Travel . . . Business . . Art . . . Theater . . . Movies



A MAGAZINE THAT KEEPS GROWING

As new topics and ideas become vital to our lives and futures, SR moves quickly to cover them.

As a result, your own interests and horizons expand as SATURDAY REVIEW continues to grow and cover new ground week after week.

All of which explains why SR is now read by more than two million men and women each week. People whose time — like your own — is limited — but whose interests are not.

Enjoy all of Saturday Review's important ideas in the weeks and months ahead. Start right now by enjoying SR's idea of a money-saving, get-acquainted offer!

SPECIAL INTRODUCTORY RATE

FOR NEW SUBSCRIBERS ONLY

34 ISSUES 3.97

(a \$17.00 newsstand value; regularly \$7.85 by subscription)

Money-Back Guarantee: If Saturday Review isn't all you expect and hope for, you may cancel your subscription at any time and receive a full refund. Not the usual refund on unmailed copies, but your money back in full. Use postage-free card or coupon below to enter your subscription.

Please e	ison Ave., New York, N.Y. 10017 nter my introductory subscription to Saturday for 34 issues at only \$3.97.
	Payment enclosed Bill me (Offer good only in U.S. and Canada)
Name	
	(please print)
Address_	
City	
	Zip
State	