1487 This Week in Science

Editorial
1489 Global Economic Competition

Letters

News & Comment
1493 A Revisionist Look at Population and Growth ■ Environment and Development
1495 Experts Ponder Effect of Pressures on Shuttle Blowup ■ Flight Rate Pressures ■ NASA Faces Budget Crunch
1498 NAE Elects New Members

Research News
1502 Giotto Finds a Big Black Snowball at Halley
1504 First Image from SPOT
1504 Briefing: AIDS Drug Shows Promise in Preliminary Clinical Trial ■ Fetal Mini-Brain in Peripheral Nerve
1506 Solving Knotty Problems in Math and Biology

Articles
1515 Cell Line Segregation During Peripheral Nervous System Ontogeny: N. M. LE DOUARIN
1522 Elementary Particle Physics and the Superconducting Super Collider: C. QUIGG and R. F. SCHWITTERS
1528 Biological Extinction in Earth History: D. M. RAUP

Research Articles
1534 Heterogeneous Nuclear Ribonucleoproteins: Role in RNA Splicing: Y. D. CHOI, P. J. GRABOWSKI, P. A. SHARP, G. DREYFUS

Reports
1540 Acid Dissolution Experiments: Carbonates and the 6.8-Micrometer Bands in Interplanetary Dust Particles: S. A. SANDFORD
1542 Cometary Particles: Thin Sectioning and Electron Beam Analysis: J. P. BRADLEY and D. E. BROWNLEE
1544 A Carbonate-Rich, Hydrated, Interplanetary Dust Particle: Possible Residue from Protostellar Clouds: K. TOMEOKA and P. B. BUSECK

SCIENCE is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20004, Second-class postage (publication No. 494466) paid at Washington, D.C., and at an additional entry. Copyright © 1986 by the American Association for the Advancement of Science. Domestic individual membership and subscription ($1 issues): $60. Domestic institutional subscription ($1 issues): $98. Foreign postage extra: Canada C$24, other (surface mail) C$27, air-surface via Amsterdam C$65. First class, airmail, school-year, and student rates on request. Single copies $2.50 ($3 by mail); back issues $4 ($4.50 by mail); Biography issue, $5.50 ($6 by mail); classroom rates on request. Change of address: allow 6 weeks, giving old and new addresses and seven-digit account number. Authorization to photocopy material for internal or personal use under certain circumstances not falling within the fair use provisions of the Copyright Act is granted to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $1 per copy plus $0.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/83 $1 + .10. Postmaster: Send Form 3579 to Science, 1333 H Street, NW, Washington, DC 20005. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.


1562 Distribution of Protein and RNA in the 30S Ribosomal Subunit: V. Ramakrishnan


1567 Nucleotide Sequence of SRV-1, a Type D Simian Acquired Immune Deficiency Syndrome Retrovirus: M. D. Power, P. A. Marx, M. L. Bryant, M. B. Gardiner, P. J. Barr, P. A. Luciw

1572 Inhibition of Vasopressin Action by Atrial Natriuretic Factor: M. A. Dillingham and R. J. Anderson


1580 HTLV-III gag Protein Is Processed in Yeast Cells by the Virus pol-Protease: R. A. Kramer, M. D. Schaber, A. M. Skalka, K. Ganguly, F. Wong-Staal, E. P. Reddy


AAAS Meetings

1586 Annual Meeting: Welcome to Philadelphia; Preconvention Program; Tours; Science & Technology Exhibition; Meeting Information; Registration & Reservation Forms; Call for Symposium Proposals

Book Reviews

1610 Neurobiology of Arachnids, reviewed by N. J. Strausfeld: Gulls and Plovers, R. Ydenberg: Gentlemen of Science, M. Rudwick: Books Received

Products & Materials
