This Week in Science

Editorial
1357 Isotopes in Earth Science

Letters
1361 Journal Cancellations: D. H. Jones and V. M. Bowden • Car Research at Cornell: F. H. T. Rhodes

News & Comment
1368 Research and the "Flexible Freeze"
1370 NSF Names First 11 Science Centers
1371 A Tiffany Over Tiaras at Stanford
1372 Stealth Bomber: Evading Flak Over Cost, Mission
1374 Patent Backlog: Solution Pending
1375 Europeans Decide on a Trip to Saturn
1376 Galew to Head Space Research Institute
Superconductor Rumor
Germany Drafting Biotechnology Law
Jim Watson on the Budget

Research News
1377 jun Is Bustin' Out All Over
1379 Caution Continues Over Transplants
MIT to Get Superconductor Patent
1380 Snowbird II: Clues to Earth's Impact History: The First Killer Crater Looks Like a Wimp • The Killer Impact Is Getting Tamed • If There Was One Killer Impact, Were There More? • How Catastrophic Were the K-T Extinctions?
1382 AMPTE Outfoxed by Magnetosphere
1383 Random Samples: Panning Pork • A Surprise for Sakharov • From Metcalfe to Methadone

Articles
1385 The Further Evolution of Cooperation: R. Axelrod and D. Dion
1390 Experimental Constraints on Theories of High-Transition Temperature Superconductors: W. A. Little
1396 Living with Clathrin: Its Role in Intracellular Membrane Traffic: F. M. Brodsky

Reports

SCIENCE is published weekly on Fridays, except the last week in December, and with an extra issue in February by the American Association for the Advancement of Science, 1333 H Street, NW, Washington, DC 20005. Second-class postage (publication No. 48446) paid at Washington, DC, and at an additional entry. Copyright © 1988 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): $70. Domestic institutional subscription (51 issues): $110. Foreign postage extra: Canada $32, other (surface mail) $32, air-surface via Amsterdam $85. First-class, airmail, school-year, and student rates on request. Single copies $3.00; back issues $5.00; Biotechnology issue, $5.50 ($6 by mail); classroom rates on request; Guide to Biotechnology Products and Instruments $18 ($17 by mail). Change of address: allow 8 weeks, giving old and new addresses and seven-digit account number. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS 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 $.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/88 $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.

Regulation of the Erythropoietin Gene: Evidence That the Oxygen Sensor Is a Heme Protein: M. A. Goldberg, S. P. Dunning, H. F. Bunn

Human Insulin-Degrading Enzyme Shares Structural and Functional Homologies with E. coli Protease III: J. A. Affholter, V. A. Fried, R. A. Roth

Many Transcription Factors Interact Synergistically with Steroid Receptors: R. Schuler, M. Muller, C. Kaltschmidt, R. Renkawitz

Genome Rearrangement and Nitrogen Fixation in Anabaena Blocked by Inactivation of xisA Gene: J. W. Golden and D. R. Wiest


NEWLY IDENTIFIED BRAIN POTASSIUM CHANNELS GATED BY THE GUANINE NUCLEOTIDE BINDING PROTEIN G_{i}: A. M. J. VanDongen, J. Codina, J. Olate, R. Mattera, R. Joho, L. Birnbaumer, A. M. Brown

Expermentally Induced Visual Projections into Auditory Thalamus and Cortex: M. Sur, P. E. Garraghty, A. W. Roe

Reconstitution and Phosphorylation of Chloride Channels from Airway Epithelium Membranes: H. H. Valdivia, W. P. Dubinsky, R. Coronado


Metabolic Correction of Defects in the Lipid Anchoring of Thy-1 in Lymphoma Mutans: D. Gupta, A. Tartakoff, E. Tisdale

Proceedings of the Second International Conference on Quantitative Genetics, reviewed by J. F. Crow: Complex Interactions in Lake Communities, S. S. Kilham: High Speed Astronomical Photometry, P. Szkody: The Behavior of the Earth, P. J. Willie: Books Received


CONTENTS

9 DECEMBER 1988

TABLE OF CONTENTS 1353

Downloaded from http://science.sciencemag.org/ on April 8, 2017