LETTERS  Population Ethics: L. J. Johnson; G. Nettler; J. C. Montgomery; T. D. Perrine; O. Vuorijoki; L. G. Humphreys; D. Callahan; Research Natural Areas: S. D. Veirs; Safety at Rocky Flats: E. A. Martell; Understanding Science: M. Goran  347

EDITORIAL  Energy Conservation  355

ARTICLES  Aging: Noncycling Cells an Explanation: S. Gelfand and J. G. Smith, Jr.  357
Fourier Transform Spectroscopy: E. D. Becker and T. C. Farrar  361
The Ortega Hypothesis: J. R. Cole and S. Cole  365

NEWS AND COMMENT  Scientists in Politics: A Late Entry for Nixon's Group  375
Medicine at Michigan State (IV): Osteopaths and Allopaths  377
Health Fad Underworld Surveyed  379
Europe and the Environment: Cooperation a Distant Prospect  381

RESEARCH NEWS  The 1972 Nobel Prize for Physiology or Medicine  384
Magnetohydrodynamic Power: More Efficient Use of Coal  386
Polychlorinated Biphenyls: Still Prevalent, but Less of a Problem  388

BOOK REVIEWS  Geographical Ecology, reviewed by T. W. Schoener and by S. A. Boorman; Nongcunjishengshoucse (Peasant Village Physician's Handbook), H. Agren; Books Received  389
REPORTS

Precision Geodesy via Radio Interferometry: H. F. Hinteregger et al. ........................................ 396
Quaternary Paleotemperatures and the Duration of the High-Temperature Intervals: C. Emiliani .................. 398
Lead Aerosol Baseline: Concentration at White Mountain and Laguna Mountain, California: T. J. Chow, J. L. Earl, C. B. Snyder .................................................. 401
Siliceous Algal and Bacterial Stromatolites in Hot Spring and Geyser Effluents of Yellowstone National Park: M. R. Walter, J. Bauld, T. D. Brock ........................................ 402
Polar Motion from Laser Tracking of Artificial Satellites: D. E. Smith et al. ........................................ 405
Interferometric Observations of an Artificial Satellite: R. A. Preston et al. ........................................ 407
Incised River Meanders: Evolution in Simulated Bedrock: R. G. Shepherd ........................................ 409
Survival of Mouse Embryos Frozen to −196°C and −269°C: D. G. Whittingham, S. P. Leibo, P. Mazur .......... 411
Brain Serotonin Content: Physiological Regulation by Plasma Neutral Amino Acids: J. D. Fernstrom and R. J. Wurtman .................................................. 414
Thyrotropin Releasing Hormone: Enhancement of Dopa Activity by a Hypothalamic Hormone: N. P. Plotnikoff et al. .................................................. 417
Arthropod Molting Hormone: Radioimmune Assay: D. W. Borst and J. D. O’Connor ................................. 418
Coherin: A New Peptide of the Bovine Neurohypophysis with Activity on Gastrointestinal Motility: I. Goodman and R. B. Hiatt .................................................. 419
Eyes Have a Role in Photoperiodic Control of Sexual Activity of Coturnix: K. Honna, W. O. Wilson, T. D. Stipes .................................................. 421
Echinoid Spawning Induced by a Radial Nerve Factor: R. C. Cochran and F. Engelmann ......................... 423

AAAS ANNUAL MEETING

The Growth Question and Environmental Policy Issues; Limits to Growth? Achieving Public Interests in Management of Land Resources; NEPA: In Context, in Detail, in Court .................................................. 425

COVER

“Frozen-thawed” mouse pups and the albino foster mother who gave birth to them. The pups developed from eight-cell embryos that had been surgically removed from brown genetic mothers, frozen to −196°C for 21 hours, thawed, and then transferred to the oviduct of the foster mother. See page 411. [P. Whittingham, S. Leibo, and P. Mazur, Oak Ridge National Laboratory]
Science 178 (4059), 347-426.

Use of this article is subject to the Terms of Service

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title Science is a registered trademark of AAAS.