This Week in Science

Editorial

Resources of Plant Germplasm

Letters

Women Lab Heads: M. Freistadt ■ Shaking the Family Tree: G. N. van Vark and A. Bilsborough ■ EC Biotechnology Policy: S. Gooney ■ Support for Jenny Harrison: P. St. Lawrence

Policy Forum

The End of Mandatory Retirement for Tenured Faculty: A. Rees and S. P. Smith

ScienceScope

Sorting out germ line gene therapy; sussing out researchers’ discontent; etc.

News & Comment

Get-the-Lead-Out Guru Challenged

Greenhouse Bandwagon Rolls On

Jawboning Prehistory

Has Challenger Knocked Out Galileo?

Policy-Making: Getting Better Data

Small Is Beautiful for University Space Outfit ■ In Search of a Free Launch

Post-Mortem on Storb Resignation

A Changing of the Guards

A Reprieve for MIT’s Magnet Lab

Briefings: Gene Zapping ■ The Case of the Missing Milkweed ■ Searching for the Perfect Fit ■ African Research Waning

Research News

Forecasting the Global AIDS Epidemic ■ Computing the Problem

The Education of Silicon Linguists ■ Know-Nothing Translation

Speculating in Precious Computronium

New Clue Found to Alzheimer’s

Quantum Cryptography’s Only Certainty: Secrecy

Perspectives

Sigma Factor Relatives in Eukaryotes: J. A. Jaehning

Declining Amphibian Populations: D. B. Wake

Articles

Laser Manipulation of Atoms and Particles: S. Chu


Research Articles


Impact-Induced Cleaving and Melting of Alkali-Halide Nanocrystals: R. D. Beck, P. St. John, M. L. Homer, R. L. Whetten

Science (ISSN 0036-8075) 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 20005. Second-class postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 1991 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): $82 ($47 allocated to subscription). Domestic institutional subscription (51 issues): $150. Foreign postage extra: Mexico, Caribbean (surface mail) $50; Other countries (air assist delivery) $95. First class, airmail, student and emeritus rates on request. Canadian rates with GST available upon request. GST #1254 88122. Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send change of address to Science, P.O. Box 20233, Marion, OH 43305-2003. Single copy sales: $6.00 per issue prepaid includes surface postage. Guide to Biotechnology Products and Instruments, $20. Bulk rates on request. 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 $0.10 per page is paid directly to CCC, 27 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/83 $1 +.10. 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 objectives 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, to advance education in science, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
Marbled salamanders (Ambystoma opacum) are among the many amphibian species that breed at Carolina bays, natural wetlands of the southeastern Atlantic Coastal Plain. Ambystoma opacum is one of the amphibian species that has been monitored daily at a protected wetland, Rainbow Bay in South Carolina, for the past 12 years by investigators at the Savannah River Ecology Laboratory. See page 892. [Photographed by David E. Scott, Savannah River Ecology Laboratory]