This Week in Science

Editorial

125 The Perfect Money Management System

Perspective

127 DNA Looping: R. Schleif

Letters


News & Comment

133 The Scourge of Computer Viruses
135 Biowarfare Lab Faces Mounting Opposition
136 Designing Food by Engineering Animals
137 Mayor Seeks to Polish the “S” in Unesco
138 Severe Fire Devastates Soviet Science Library
139 Laser Team Leaves Stanford for Duke

Briefing: ■ A Soviet Human Genome Program? ■ Census Questions to Be Retained ■ Nobelist Endorse SSC ■ U.S., Japan Hammer Our Science Agreement ■ Mathematicians Say No to SDI Funding

Research News

141 The Race for the Cystic Fibrosis Gene ■ A Hypothesis That Works
145 Foreign Gene Transferred into Maize
146 New Superconductors Answer Some Questions

Research Articles

185 Multiplex DNA Sequencing: G. M. Church and S. Keiffer-Higgins

Reports

189 Dynamic Properties of Molecularly Thin Liquid Films: J. N. Israelachvili, P. M. McGuigan, A. M. Homola

191 Tertiary Structure Is a Principal Determinant to Protein Deamidation: A. A. Kossiakoff

SCIENCE is published weekly on Friday, 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): $65. Domestic institutional subscription (51 issues): $95. Foreign postage extra: Canada $32, other (surface mail) $27, air-surface via Amsterdam $56. First class, airmail, school-year, and student rates on request. Single copies $3.00 ($3.50 by mail); back issues $4.50 ($5.00 by mail); 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 6 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 page plus $0.10 per page is paid directly to CCC, 21 Congress Street, Salem, Massachusetts 01970. The identification code for Science is 0036-8075/88 $0.10. 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.
A multicell spheroid human squamous cell carcinoma (top) which is used as an in vitro research model for intervascular microregions of larger, solid malignant tumors or for small tumors where vascularization may be just beginning (as shown at the bottom). Spheroid diameter is approximately 300 micrometers. See page 177. [University of Rochester Cancer Center: Harvey Carapella, art director; Shari E. Harwell, layout; Chris Santarose, airbrush artist; scanning electron microscopy in collaboration with David P. Penney and Nadia Kuttyreff; vascular study in collaboration with H. A. Eddy]