LETTERS  The Ph.D. Market: J. J. Pia; D. F. Rolek; D. Wolfe and C. V. Kidd; Environmental Quality Standards: B. Rosenblum; C. F. Wurster; A. A. Lindsey; V. E. Archer; “Scientists of North America”: T. E. Reed  

EDITORIAL  Community Health: R. A. Stallones  

ARTICLES  Use of Computers in Information Systems: W. K. Lowry  
Esophageal Cancer in the Caspian Littoral of Iran: Initial Studies: J. Kmet and E. Mahboubi  
Ion Microprobe Mass Analyzer: C. A. Andersen and J. R. Hinthorne  

NEWS AND COMMENT  Division of Biologics Standards: In the Matter of J. Anthony Morris  
Drug Abuse Council Formed  
Defense Research: The Names Are Changed to Protect the Innocent  

RESEARCH NEWS  Lunar Research: No Agreement on Evolutionary Models  

BOOK REVIEWS  Quantum Theory and Beyond, reviewed by J. Clauser; Development Anthropology, D. J. Greenwood; Man and Atom, A. V. Crewe; Neal E. Miller: Selected Papers, P. L. Carlton; Analysis of Temperate Forest Ecosystems, B. N. Richards; Chromosomal Evolution in Higher Plants, J. Heslop-Harrison; Parasitic Insects, P. W. Price; The Behaviour of Nematodes, J. Klinger; Termites and Soils, E. O. Wilson; Books Received; New Journals Received  

Superconductivity of Double Chalcogenides: Li$_2$Ti$_1.1$S$_2$: H. E. Barz et al.  

SCIENCE is published weekly, except with an extra issue on the third Tuesday in November, by the American Association for the Advancement of Science, 1515 Massachusetts Ave., NW, Washington, D.C. 20005. Second-class postage paid at Washington, D.C. Copyright © 1972 by the American Association for the Advancement of Science. Annual subscription $20; foreign postage: Americas $3; overseas $5; air freight to Europe, North Africa, Near East $10; single copies $1 (back issues, $2) except Guide to Scientific Instruments which is $4. School year subscription: 9 months, $15; 10 months, $16.75. Provide a 4 weeks notice of change of address, giving new and old address and zip codes. Send a recent address label. SCIENCE is indexed in the Reader’s Guide to Periodical Literature.
Aftershocks Caused by Pore Fluid Flow?: A. Nur and J. R. Booker

Pre-Hispanic Workshop of Serpentine Artifacts, Venezuelan Andes, and Possible Raw Material Source: E. Wagner and C. Schubert

Lead-212 in the Urban Boundary Layer of New York City: G. Assaf and P. E. Biscaye

Breakup of Pangaea and Isolation of Relict Mammals in Australia, South America, and Madagascar: J. Fooden

Cell Aggregation: Role of Acid Mucopolysaccharides: B. Pessac and V. Defendi

Reconstitution of Diphtheria Toxin from Two Nontoxic Cross-Reacting Mutant Proteins: T. Uchida, A. M. Pappenheimer, Jr., A. A. Harper

Isozymes of Phenylalanine Hydroxylase: J. A. Barranger et al.

Turnover of Molecules Which Maintain the Normal Surfaces of Contact-Inhibited Cells: J. B. Baker and T. Humphreys

Modulation of Adenylate Cyclase Activity in Liver and Fat Cell Membranes by Insulin: G. Illiano and P. Cuatrecasas

Synthetic Strands of Cardiac Muscle: Growth and Physiological Implication: M. Lieberman et al.

Δ⁹-Tetrahydrocannabinol: Aversive Effects in Rat at High Doses: T. F. Elsmore and G. V. Fletcher

Rod-Cone Interaction in Human Scotopic Vision: T. E. Frumkes, M. D. Sekuler, E. H. Reiss

Twins: Early Mental Development: R. S. Wilson


Embryonic chick heart cells (trypsin disaggregated) were growth oriented in tissue culture for 8 days and formed a "heart"-shaped, synthetic strand of cardiac muscle. The preparation was fixed in Bouin's fluid and stained with phosphotungstic acid-hematoxylin (about x 6,8). See page 909. [Thurman Ellis, Duke University Medical Center, Durham, North Carolina]
Editor's Summary