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Predictable Quake Damage

BOOK REVIEWS
Non-Proliferation and Safeguarding the Atom, reviewed by W. H. Donnelly; The Intellectual and Social Organization of the Sciences, R. L. Simpson; The Biology of Terrestrial Isopods, R. C. Brusca; Solar Maximum Analysis and Solar-Space Observations and Stellar Prospects, J. B. Zirker; Books Received

REPORTS
The Structure of the Core of the Spiral Wave in the Belousov-Zhabotinskii Reaction: S. C. Müller, T. Plessert, B. Hess
Intracellular Free Calcium Localization in Neutrophils During Phagocytosis: D. W. Sawyer, J. A. Sullivan, G. L. Mandell
High-Frequency Switching of Colony Morphology in Candida albicans: B. Slutsky, J. Buffo, D. R. Soll
Psoriatic Fibroblasts Induce Hyperproliferation of Normal Keratinocytes in a Skin Equivalent Model in Vitro: P. Saiag, B. Coulomb, C. Lebreton, E. Bell, L. Dubertret
Chromosomal Locations of Human Tissue Plasminogen Activator and Urokinase Genes: B. Rajput et al.
Phytochelatins: The Principal Heavy-Metal Complexing Peptides of Higher Plants: E. Grill, E.-L. Winnacker, M. H. Zenk
Wounding and Its Role in RSV-Mediated Tumor Formation: D. S. Dolberg, R. Hollingsworth, M. Hertle, M. J. Bissell
Iron(II) EDTA Used to Measure the Helical Twist Along Any DNA Molecule: T. D. Tullius and B. A. Dombroski
Hypoglycemia-Induced Neuronal Damage Prevented by an N-Methyl-D-Aspartate Antagonist: T. Wieloch

PRODUCTS AND MATERIALS
Cell Culture Labware; Immunoassay; Syringe Filters; Data Recorder; Research Immunoassays; Spectrometer; Literature

COVER
Section (4.5 by 4.5 millimeters) of a spiral wave of chemical activity traveling through a 1-millimeter layer of a quiescent, excitable Belousov-Zhabotinskii reagent catalyzed by ferroin. The concentration distribution of ferroin was measured by means of a two-dimensional spectrophotometer based on a video camera, a video frame buffer, and a computer. The core of the spiral—a singular site at which the ferroin concentration remains almost constant—is contained within the green circle. The colored curves are Archimedean spirals fitted to isointensity levels that correspond to the lowest (blue) and the highest (red) measured intensities and to the intensity at the core (yellow). See page 661. [S. C. Müller Max-Planck-Institut für Ernährungsphysiologie, D-4600 Dortmund, Federal Republic of Germany]
Editor's Summary

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