This Week in Science

A New Approach to Faculty Salaries

Vitamin C Papers: L. Pauling ■ Native Plants: Conservation Priorities:
R. Ornduff ■ Teaching Machines: B. F. Skinner ■ Boreal Forests and the
Global Carbon Cycle: P. Kauffman and M. Posch ■ La Différence: R. Fischer

Spy Satellites: Entering a New Era
Culliton Named to New Post
DOD Lists Critical Technologies
EPA's Plan for Cooling the Global Greenhouse
German Computer Spy Ring Broken
Fraud Review May Be Taken from NIH
Next Science Adviser?
Japan Lays Out Welcome Mat for U.S. Scientists
Psychiatrists Examine Soviet System
European Genome Program Delayed?
Marchuk Admits Flaws in Election
Bonn Launches Wind Energy Experiment ■ ■ ■ Britain Picks Site for Wind Farm

Limits to DNA Fingerprinting ■ Check on Fingerprint News
Drug-Resistant Strains of AIDS Virus Found
Treasuring the Moon for 20 years
Is Risk Assessment Conservative?
Pulsar, Pulsar, Where Art Thou, Pulsar?
New Equipment Roundup Dazzles Scientists: The Pritcon Experience ■ Crime
and Chemical Analysis ■ Probing the Chemistry of the Brain ■ The Outlook for
the Equipment Industry

Star Formation in Irregular Galaxies: D. A. Hunter and J. S. Gallagher, III
Signal Transduction by the platelet-Derived Growth Factor Receptor:
L. T. Williams

Topology and Formation of Triple-Stranded H-DNA: H. Htun and
J. E. Dahlberg
A Multiubiquitin Chain Is Confined to Specific Lysine in a Targeted Short-Lived
Protein: V. Chau, J. W. Tobias, A. Bachmair, D. Marriott, D. J. Ecker,
D. K. Gonda, A. Varshavsky

Radar Detection of Phobos: S. J. Ostro, R. F. Jurgens, D. K. Yeomans,
E. M. Standish, W. Greiner

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to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and ap-
preciation of the importance and promise of the methods of science in human progress.
COVER  The rose sea anemone (Trema plicata) exemplifies the beauty of many cnidarians, the simplest animals having a nervous system. Tentacles of the cosmopolitan anemone (Halichiptastrulae) have mechanoceptors on the surface that tune to the movements of prey identified by chemodetection. See page 1589. [Photograph by George Grall, National Aquarium, Baltimore, MD 21202]


1589 Cnidocyte Mechanoreceptors Are Tuned to the Movements of Swimming Prey by Chemoceptors: G. M. Watson and D. A. Hessinger

1591 Major Enhancement of the Affinity of an Enzyme for a Transition-State Analog by a Single Hydroxyl Group: W. M. Katt and R. Wolfenden

1593 Direct Measurements of Sliding Between Outer Doublet Microtubules in Swimming Sperm Flagella: C. J. Brokaw

1596 Histamine Is an Intercellular Messenger Mediating Platelet Aggregation: S. P. Saxena, L. J. Brandes, A. B. Becker, K. J. Simmons, F. S. LaBella, J. M. Gerrard

1600 Activation of the Cellular Proto-Oncogene Product p21Ras by Addition of a Myristylation Signal: J. E. Buss, P. A. Solski, J. P. Schaeffer, M. J. MacDonald, C. J. Der


1606 Directed Movement of Latex Particles in the Gynoecea of Three Species of Flowering Plants: L. C. Sanders and E. M. Lord

1608 Commitment of Neural Crest Cells to the Sensory Neuron Lineage: M. Sieber-Blum

1611 Indole-2-Carboxylic Acid: A Competitive Antagonist of Potentiation by Glycine at the NMDA Receptor: J. E. Huettner

Technical Comments


Meetings

1616 Gordon Research Conferences: Application Form

Book Reviews

1617 Neurobiology of Neocortex, reviewed by: S. P. Wise  Africanized Honey Bees and Bee Mites, E. E. Lindquist  Geomorphology and Hydrology of Karst Terrains, A. L. Bloom  Thermal History of Sedimentary Basins, G. Dev. Klein  Books Received

Products & Materials

1621 Peristaltic Pump  Database Accepts Handwritten Data  Database of Journal Contents  X-ray Dispersive Microanalytical System  Buffer Pads for Semidry Blotting  Chromatography Integrator  Taq DNA Polymerase  HPLC Autosampler  Literature