This Week in Science

Editorial

1533 A New Approach to Faculty Salaries

Letters


News & Comment

1541 Spy Satellites: Entering a New Era
1542 Culliton Named to New Post
1543 DOD Lists Critical Technologies
1544 EPA’s Plan for Cooling the Global Greenhouse
1545 German Computer Spy Ring Broken
1546 Fraud Review May Be Taken from NIH
1547 Next Science Adviser?
1548 Japan Lays Out Welcome Mat for U.S. Scientists
1549 Psychiatrists Examine Soviet System
1548 European Genome Program Delayed?
1549 Marchuk Admits Flaws in Election
1550 Bonn Launches Wind Energy Experiment ■ ■ ■ Britain Picks Site for Wind Farm

Research News

1549 Limits to DNA Fingerprinting ■ Check on Fingerprint News
1551 Drug-Resistant Strains of AIDS Virus Found
1552 Treasuring the Moon for 20 years
1553 Is Risk Assessment Conservative?
Pulsar, Pulsar, Where Art Thou, Pulsar?
1554 New Equipment Roundup Dazzles Scientists: The Pitcon Experience ■ Crime and Chemical Analysis ■ Probing the Chemistry of the Brain ■ The Outlook for the Equipment Industry

Articles

1557 Star Formation in Irregular Galaxies: D. A. Hunter and J. S. Gallagher, III
1564 Signal Transduction by the Platelet-Derived Growth Factor Receptor: L. T. Williams

Research Articles

1571 Topology and Formation of Triple-Stranded H-DNA: H. Htun and J. E. Dahlberg

Reports

The rose sea anemone (Tetilla piscivora) exemplifies the beauty of many cnidarians, the simplest animals having a nervous system. Tentacles of the cosmopolitan anemone (Halichondria luciae) have mechanoreceptors 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]