This Week in Science

Editorial

1465 Plant Gene Expression Center

Letters


ScienceScope

1475 NIH casts its gaze northward; the White House nixes a NASA budget plan; etc.

News & Comment

1476 The Disputed Birth of Buckyballs
1479 France Set to Reopen AIDS Pact?
1480 New Journal Will Publish Without Paper
1481 Why Bigger Isn't Better in Earth Observation
1482 Allocating the Pain in Energy Science
1483 Healy Uses Wit to Woo NIHers
1484 Briefings: Shuttle Souvenirs ■ Ocean-Slick Yardstick ■ AIDS Parley Site Set ■ California v. Genetic Discrimination ■ Lasker Awards Return ■ Indirect Directions ■ Tists in the Hood ■ New Awards ■ Rating University R&D ■ Money for Brains

Research News

1486 Grand Gamble on Fruit Fly Learning
1488 Signs of Wet Weather in the Polar Mesosphere?
1489 Will "DNA Chip" Speed Genome Initiative?
1490 Report Nixes "Geritol" Fix for Global Warming
1491 Space May Be Bad for Your Health
1492 Lightning Found on Venus at Last?

Perspective

1499 Functional Subunit Structure of Voltage-Gated Calcium Channels: W. A. Catterall

Article


Research Article

1508 Radar Images of Mars: D. O. Muhleman, B. J. Butler, A. W. Grossman, M. A. Slade

Reports

1516 The Galileo Venus Encounter: T. V. Johnson, C. M. Yeates, R. Young, J. Dunne

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Galileo images of Venus showing the global structure of cloud patterns at two different depths in the upper cloud layers. Cloud patterns at the top of the main sulfuric acid haze layer of Venus and downwind of the subsonar region are seen in the violet region of the spectrum (top). The atmospheric flow is from right to lef. An infrared image (bottom) shows cloud patterns at lower altitude. Pseudocolor has been used to enhance contrast. See page 1531. Other Galileo reports pages 1516 to 1550. [Photographs courtesy of the National Aeronautics and Space Administration and the National Optical Astronomy Observatories]