### Editorial
1469 Applications of Fuel Cells

### Letters

### News & Comment
1479 The Long, Sad Saga of Mount Graham ■ Cornell Got Out in Front
1482 Reactor Project Hitches onto Moon-Mars Effort ■ An Engineering Challenge
1484 AIDS and the Future
1485 Two Bomb Attacks on Scientists in the U.K.
1486 Briefings: Leaky Pipes Delay Astronomy Mission ■ Growth Without New Energy ■ MIT Picks a President—Again ■ Census Adjustment Constitutional ■ Cold Fusion Claims a Victim ■ Le Nez Knows ■ Animal Activists Repudiate the Center

### Research News
1488 Amazon
1490 Quake Prediction by Seismic Oxymora?
1491 Holding the Line Against Heart Disease ■ New Genes for Ailing Hearts?
1493 Animal Cells Transform in Vivo

#### News Report
1494 I: Inside the Gallo Probe
1499 II: The Untold Story of HUT78

### Article
1510 The Fractional Quantum Hall Effect: J. P. Eisenstein and H. L. Stormer

### Research Articles
1517 RAG-1 and RAG-2, Adjacent Genes That Synergistically Activate V(D)J Recombination: M. A. Oettinger, D. G. Schatz, C. Gorka, D. Baltimore
Cover  Pictorial representation of the many-particle state underlying the fractional quantum Hall effect, occurring in two-dimensional electron gases at high magnetic field. The height of the green landscape gives the probability of finding any single electron in relation to its companions (red balls) and to the flux lines (arrows) of the magnetic field. See page 1510. [Illustration courtesy of T. S. Duff and T. Kovacs, AT&T Bell Laboratories]

Reports


1532 Biomimetic Total Synthesis of Proto-Daphniphylline: S. Piettre and C. H. Heathcock

1534 Regulation of the Timing of Transposable Element Excision During Maize Development: A. A. Levy and V. Walbot

1537 Binding of Transforming Protein, P47(9)Grk, to a Broad Range of Phosphotyrosine-Containing Proteins: M. Matsuda, B. J. Mayer, Y. Fukui, H. Hanafusa


1541 Molecular Localization of the Transforming and Secretory Properties of PDGF A and PDGF B: W. J. LaRochelle, N. Giese, M. May-Siroff, K. C. Robbins, S. A. Aaronson


1550 An RNA Polymerase II Transcription Factor Shares Functional Properties with Escherichia coli α2: D. J. Conaway and R. C. Conaway

1553 A Major Direct GABAergic Pathway from Zona Incerta to Neocortex: C.-S. Lin, M. A. L. Nicoletis, J. S. Schneider, J. K. Chapin

1556 Attentional Modulation of Neural Processing of Shape, Color, and Velocity in Humans: M. Corbetta, F. M. Miezin, S. Dobmeyer, G. L. Shulman, S. E. Petersen

Book Reviews

1561 The History of Modern Mathematics, reviewed by J. L. Richards  Bird Flight Performance, reviewed by R. E. Ricklefs  Pattern Formation, Ciliate Studies and Models, reviewed by L. G. Harrison  Books Received

Products & Materials

1566 Statistical Software for Macintosh  Thermal Cycling Instrument  New Line of Computer Equipment  Automated Membrane Affinity Separation System  DNA Polymerase for DNA Sequencing  Literature