### Microscopy with Spin-Polarized Electrons

Making mRNA from a Pair of Precursors

#### AAAS NEWS

Scientists Aid Search for Argentina’s “Desaparecidos”: *E. Stover*; Instruments and Lab Equipment Needed; Transcripts of National Security Discussion Offered; Directory to Identify Research on Impacts of Technology

#### BOOK REVIEWS

Ranching, Mining, and the Human Impact of Natural Resource Development, reviewed by *C. R. Humphrey*; Beyond IQ, *R. Glaser*; Science Reorganized, *T. S. Feldman*; Progress in Gauge Field Theory, *E. Seiler*; Books Received

#### REPORTS

**Infrared Speckle Observations of Io: An Eruption in the Loki Region:** *R. R. Howell and M. T. McGinn*

**Characterization of Io’s Volcanic Activity by Infrared Polarimetry:** *J. D. Goguen and W. M. Sinton*

**Nodal Modulation of the Lunar Semidiurnal Tide in the Bay of Fundy and Gulf of Maine:** *L.-F. Ku, D. A. Greenberg, C. J. R. Garrett, F. W. Dobson*

**Induction of AIDS-Like Disease in the Macaque Monkeys with T-Cell Tropic Retrovirus STLV-III:** *N. L. Letvin et al.*

**A Cyanobacterium Capable of Swimming Motility:** *J. B. Waterbury, J. M. Willey, D. G. Franks, F. W. Valois, S. W. Watson*

**Partial Inversion of the Initiation-Promotion Sequence of Multistage Tumorigenesis in the Skin of NMRI Mice:** *G. Fürstenberger, V. Kinzel, M. Schwarz, F. Marks*

**A Model for the Tertiary Structure of p21, the Product of the ras Oncogene:** *F. McCormick et al.*

**Z-DNA Forms Without an Alternating Purine-Pyrimidine Sequence in Solution:** *J. Feigon, A. H.-J. Wang, G. A. van der Marel, J. H. van Boom, A. Rich*

**Isolation of a Spirochete from the Soft Tick, *Ornithodoros coriaceus*: A Possible Agent of Epizootic Bovine Abortion:** *R. S. Lane, W. Burgdorfer, S. F. Hayes, A. G. Barbour*

**Intercontinental Spread of a New Antibiotic Resistance Gene on an Epidemic Plasmid:** *T. F. O’Brien et al.*

**A Neuroendocrine Marker in Tissues of the Immune System:** *R. H. Angeletti and W. F. Hickey*

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**COVER**

Tidal flats in Minas Basin near Economy Point, Nova Scotia, showing large-scale bedforms carved by strong tidal flows over sand. This is one of the sites being considered for tidal power development. The combination of shallow water and large tides makes this an area of extensive tidal dissipation. See page 69. [Roger Belanger, Fisheries and Oceans Canada, Bedford Institute of Oceanography, Dartmouth, Nova Scotia B2Y 4A2]