NEWS & COMMENT

Is Japan a Step Behind on Genome? 1504
Teamwork Takes Practice 1505

Patents on Native Technology Challenged 1506
Scientific Dispute at Center of Legal Battle Over Salmon Catch 1507
Breast Cancer Activists Seek Voice in Research Decisions 1508

Department of Energy: Congress Split on Best Way to Reshape Network of Labs 1510

RESEARCH NEWS

A Theory of Everything Takes Shape 1511
Embryos Travel Forking Path As They Tell Left From Right 1514
Long-Sought H-Y Antigen Found 1515
Call to Desegregate Microbial Databases 1516
Does Magnetic Twist Crank Up the Sun’s Outbursts? 1517

DEPARTMENTS

THIS WEEK IN SCIENCE 1493
EDITORIAL
From Rhetoric to Reality 1495

LETTERS
Helpful Fossil Hunters: R. K. Stucky, P. Robinson, B. Britt; M. O. Woodburne • Rare and Singular Talent: H. S. Frey; O. Sacks • IL-12 Possibilities: R. Jameton; S. S. Mohapatra • Funding Italian Research: S. Riva; P. Migelli and M. Ziche • The Cost of Downsizing: J. M. Pasachoff • Land for Florida’s Fauna: J. Cox

POLICY FORUM


PERSPECTIVE

Telomerase and DNA End Replication: No Longer a Lagging Strand Problem? 1533
J. Lingner, J. P. Cooper, T. R. Cech

ARTICLE

The Earth’s Early Evolution 1535
S. A. Bowring and T. Housh

RESEARCH ARTICLE

A section of iris agate (75 micrometers thick) as viewed in cross-polarized light. Blue bands alternate with more refractive pink bands over several length scales. The banding reflects modulations in the density of defects within fibers of chalcedony (a form of quartz) oriented perpendicular to the banding. The field of view measures ~2.9 millimeters across. See page 1562. [Photo: P. J. Heaney. Specimen from the Mojave Desert, California, U.S. National Museum specimen number 87415]