This Week in Science

The Arctic: A Key to World Climate

Navy Marine Mammals: S. H. RIDGWAY; D. C. MORRISON • Snowbird II: A Dissenting View: A. RICE

Bush Adopts Reagan’s R&D Budget
New U.K. Science Initiatives Backed
R&D Suffers After Corporate Raids
Environment, Culture, and Change in the Arctic
Shuttle Faces Tough Schedule in 1989
Bahcall to Head New Astronomy Survey
Court Ruling Rekindles Controversy Over SATs
AIDS Panel Urges New Focus
CIA Details Chemical Weapons Spread
High Energy Physics Crunch Foreseen
Wanted: Normal Brains
Frazier Reinstated at McLean
Cancer Board Attacks Tobacco

Our Future in the Stars?
1988 Ties for Warmest Year
The Supernova 1987A Pulsar: Found?
New Trial Evaluates Parkinsonian Therapy
Quantum Chaos: Enigma Wrapped in a Mystery • Chaos in a Hydrogen Atom
Random Samples: Unclogging L.A.’s Streets • One Mailing List to Avoid • Banishing the “Mad Scientist”

Finite Social Space, Evolutionary Pathways, and Reconstructing Hominid Behavior: R. A. FOLEY and P. C. LEE
Polymer Synthesis and Organotransition Metal Chemistry: R. H. GRUBBS and W. TUMAS
Coordinate Regulation and Sensory Transduction in the Control of Bacterial Virulence: J. F. MILLER, J. J. MEKALANOS, S. FALKOW
A fragment of lunar cordierite-spinel troctolite from the Apollo 15 mission. Two spinel crystals (reddish brown) and an adjacent grain of cordierite (lavender pink, upper left) are included in twinned plagioclase feldspar (blue and yellow). The cracked textures, offset twin lamellae, and web-like pattern (lavender pink and yellow) of finely crushed feldspar are shock features. (False-color photomicrograph taken in partially cross-polarized light with gypsum accessory plate; long edge of field is 0.53 millimeter.) See page 925. [Photomicrograph by Ursula B. Marvin]