NEWS & COMMENT

R&D Budget: More Wins Than Losses 164
OSTP Plans a Blueprint for Research 165
Russian Science: Battle Expands Over Shrinking Budget 166
Astronomy: A Scheme for a High-Flying Scope 167
Mars Observer: Management Faulted in Postmortem 167
U.S.-Japan Collaboration: Academic Biotech Deals Offer More Promise Than Product 168
National Laboratories: DOE Finds Physics Archives May Be Too Hot to Handle 170

RESEARCH NEWS

Rise and Fall of the Y Chromosome 171
Unveiling a Tuberculosis Drug Target 172
Ancient Tropical Climates Warm San Francisco Gathering 173
A Family Tree of European Bears 175

PERSPECTIVES

What Is a Whale? A. Berta 180
What Are We? Where Did We Come From? Where Are We Going? L. O'Neill, M. Murphy, R. B. Gallagher 181
Surprising Signals in Plant Cells A. M. Jones 183

DEPARTMENTS

THIS WEEK IN SCIENCE 153
EDITORIAL The Perversity of Inanimate Objects 155
LETTERS Health Care Costs: A. R. Martin; R. D. Klugman and V. A. Fulginiti; M. E. DeBakey; G. H. Deckert 157
SCIENCESCOPE 163
RANDOM SAMPLES Is There an Addiction Gene? Namibia's Ancient Big Bird Chilean Telescope Expansion Delayed 176

* Bringing More Reality to Fiction * Alaskan Illnesses Remain a Mystery, etc.

AAAS MEETING 241
1994 Annual Meeting Final Program

BOOK REVIEWS 252

PRODUCTS & MATERIALS 258

Board of Reviewing Editors

Root-knot nematodes infect a wide range of plants and establish permanent feeding sites (giant cells) in the root by inducing expression of many plant genes. The promoter sequences required by the nematode to direct expression of one such gene have been uncoupled from those necessary for expression in uninfected roots. This nematode-responsive region provides gene expression in giant cells, revealed here by the activity of a reporter gene product (blue). See page 221. [Photo: Mark A. Conkling]