This Week in Science

Editorial
9 A New Look

Letters
10 Dome or Crater?: J. Breckenridge; P. Thomas; Dragonfly Aerodynamics: G. T. Yates; C. Somps, M. Lutgges

News & Comment
11 AIDS Priority Fight Goes to Court
12 Biotech Market Changing Rapidly
15 Europe Joins Forces on Condensed Matter
16 Australia Bids to Reenter the Space Race
18 Briefing: States Seek Remand of EPA Waste Regs; End of the Line for Synfuels Corporation; Dinosaurs Ruffle Some Feathers in California; EPA Sued on Acid Rain; Comings and Goings

Research News
20 Blindness of Prematurity Unexplained
21 Methane Doubling Upheld
22 Ballistic Electron Transport Seen in GaAs

Articles
25 Electroactive Polymers and Macromolecular Electronics: C. E. D. Chidsey and R. W. Murray
32 Surface Functionalization of Electrodes with Molecular Reagents: M. S. Wrighton
Two spheroids (individuals) of the green alga *Volvox carteri*. The lower spheroid is asexual, with sixteen large reproductive cells that divide to produce a new generation, which is normally asexual also. But when heat shocked, females produce egg-bearing sexual daughters (shown above) and males produce sperm-laden sexual sons. Then eggs and sperm combine to produce heat- and desiccation-resistant zygotes. See page 51. [David L. Kirk, Washington University, St. Louis, MO 63130]