

NEWS OF THE WEEK

■ Hopes rise for adoption by early 1993 of a chemical arms treaty calling for destruction of all chemical weapons within 10 years of its ratification. **Page 4**

■ Du Pont uses conventional and new recycling technology to convert plastic soda bottles and plastic car fenders into sails for tall ship. **Page 5**

■ Derailed tankcar spills 26,200 gal of benzene solution into Wisconsin river, forcing evacuation of more than 50,000 people. **Page 5**

■ Newly discovered family of cell-surface proteins, found only in brain, may play major role in formation, maintenance of nerve cell junctions. **Page 6**

■ Researchers produce first solid compound of helium, $\text{He}(\text{N}_2)_{11}$, held together by van der Waals forces. **Page 6**

COVER: Conferees at Earth Summit enter plenary hall. Photo courtesy of United Nations

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BUSINESS

Trading of pollution rights for SO_2 emissions provides a model to reduce emissions of other pollutants, such as nitrous oxides, sulfur oxides, and reactive organic compounds. **Page 21**

GOVERNMENT

House and Senate focus on money and energy bills in push to move key legislation in the few weeks remaining before Congress recesses. **Page 26**

U.S. policy shift to support "green" technologies—those needed to achieve environmental sustainability—is called for in a recent World Resources Institute study. **Page 28**

SCIENCE/TECHNOLOGY

Complex images etched in porous, luminescent silicon—retrievable using laser as well as UV and white light—show potential for optoelectronics. **Page 30**

Mannose-specific cell-surface receptors used to activate bacterial immune systems suggest a way to block pathogens' ability to avoid elimination by host's immune system. **Page 31**

NEWS FOCUS



UN's Earth Summit concludes with an agenda for action but inadequate funds; delegates hope conference will mark turning point for accepting principles for development and better protection of the environment. **Page 7**

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