

## News of the Week

■ **National Academy of Sciences seeks new exchange agreement with Soviet scientists.** Page 4

■ **Report calls for strengthening of business/educational institution relationships.** Page 5

■ **Atom Probe Facility at the University of Pittsburgh begins to operate.** Page 5

■ **Unusually dense form of matter made at LBL by high-velocity collisions of niobium nuclei.** Page 5

■ **EPA revises its estimate of RCRA-regulated hazardous waste generated in U.S. in 1981.** Page 6

■ **NAS adds 60 members to its ranks.** Page 6

Letters 2

Editor's Page 3

### Concentrates

Business 13

Government 22

Science/Technology 28

### The Departments

ACS Comment 40

Awards 50

People 51

Newsclips 66

## Business/International

**Air Products & Chemicals chairman Edward Donley** discusses ways to foster successful market research; chemical companies continue to repurchase stock, increase shares; president-elect Hans van Liemt of DSM on the Dutch firm's specialty chemicals. Page 16

## Government

**House was generous in research funding authorizations** but Senate has yet to act; study of binary chemical weapons prompts House debate; conservative thinking dominates meeting on industrial planning, Council for Economic Development report. Page 23

## Science

**Research chemists are increasingly using computer terminals** for on-line searching of the chemical literature. Page 29

## Technology

**IBM scientists' fabrication of 1-megabit semiconductor RAM chips** may lead to faster and more powerful computers. Page 31

## Education

**ACS task force on chemistry education** finds many inadequacies, recommends changes from kindergarten to college level. Page 34

## ACS News

**University of Illinois, Urbana-Champaign** regains its post of top producer of new Ph.D. chemists; ACS Committee on Professional Training reports increases in bachelors, masters, and Ph.D. degrees in ACS-approved colleges during 1982-83. Page 43



## News Focus

**C&EN's Top 50 products, producers** benefited from the economic recovery in 1983. Page 7