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News of the Week

- **Philadelphia's new law** to regulate disposition of toxic chemicals in the city was developed by industry, citizen's group, and city government officials. **Page 4**
- **Fourth-quarter sales, earnings** for 19 of 40 largest U.S. chemical firms gained an average 11%, but for the full year after-tax profits declined 2.2% from 1979. **Page 5**
- **Arco Chemical postpones construction** of its first polymeric isocyanates plant, slated for Channelview, Tex., for possible improvements to its new process. **Page 6**
- **Decontrol of oil prices** met mixed industry reactions: chemical companies expect little effect but small refiners fear they will be forced out of business. **Page 6**

Business

- **Use of adhesives continues to climb**; large number of manufacturers and wide diversity of end uses expected to maintain 6% average annual growth through 1985. **Page 8**

International

- **Chemical production in West Germany** takes a downturn with 4% drop in 1980 from 1979 after a decade of 3.5% average annual growth; prospects for 1981 are not particularly bright. **Page 10**

Government

- **U.S. must boost funding** for science and technology to increase productivity, improve the economy during the 1980's, says President's commission. **Page 12**
- **Budgets of federal regulatory agencies** are only slightly higher than last year, probably will be cut further. **Page 13**

Science

- **Two different chemistries** used in machines designed to synthesize DNA sequences automatically: the phosphite and phosphotriester methods. **Page 17**
- **Studies of magnetic properties** of two-dimensional materials challenge physicists and physical chemists. **Page 19**

Public Policy

- **George Kistiakowsky champions arms control**; born in prerevolutionary Russia, the man who devoted 20 years of his career to weapons building now turns his energies to prevention of nuclear war. **Page 20**

ACS News

- **ACS committees** issue official reports after board meeting in December; distribution of 1980 PRF funds outlined. **Page 28**