$\Delta$

Rohm and Haas Company

## COMIN G TO GETHERTO GROW

 Annual Report 1999
# Rohm and Haas <br> Annual Report 1999 

| Financial Highlights <br> Millions of dollars (except per-share amounts) | 1999 | 1998 |
| :---: | :---: | :---: |
| For the year: |  |  |
| Net sales | \$5,339 | \$3,720 |
| Pro forma net sales ${ }^{(1)}$ | 6,652 | 6,430 |
| Net earnings | 249 | 440 |
| Net earnings, excluding non-recurring items ${ }^{(2),(4)}$ | 410 | 395 |
| Pro forma net earnings ${ }^{(1)}$ | 391 | 307 |
| EBITDA ${ }^{(3),(4)}$ | 1,179 | 1,015 |
| Capital additions | 323 | 229 |
| Free cash flow ${ }^{(5)}$ | 352 | 328 |
| At year end: |  |  |
| Total assets | \$11,256 | \$3,648 |
| Total debt | 4.053 | 581 |
| Stockholders' equity | 3,475 | 1,561 |
| Ratios: ${ }^{(6)}$ |  |  |
| Return on net assets | 4\% | 13\% |
| Return on common stockholders' equity ${ }^{(7)}$ | 13 | 25 |
| Per common share: |  |  |
| Net earnings |  |  |
| Basic | \$1.28 | \$2.47 |
| Diluted | 1.27 | 2.45 |
| Net earnings, excluding non-recurring items |  |  |
| Basic | \$2.13 | \$2.22 |
| Diluted | 2.09 | 2.20 |
| Common dividends | \$ . 74 | \$ 70 |

[^0]Pro Forma Sales by Business Segment Millions of Dollars

| $\$ 3,551$ | Performance <br> Polymers |
| :---: | :--- |
| $\$ 1,367$ | Chemical <br> Specialties |
| $\$ \$ 885$ | Electronic <br> Materials <br> Salt |
| $\$ 849$ |  |

## Pro Forma Sales by C ustomer Location Millions of Dollars



## Contents

$\begin{array}{llll}\text { Letter to Shareholders } 1 & \text { Electronic Materials }\end{array}$
Timeline
5 Salt
19
6 Corporate Responsibility 22
12 Financial Index 25

For additional information about Rohm and H aas:

Visit our website:
umw.rohmhaas.com
Call us at: 1.215.592.3045
Write us at:
100 Independence Mall West
Philadelphia, PA 19106-2399

## Makinga good company better

Rohm and H aas is a far different company today than it was at the beginning of 1999. We've made dramatic changes in size, product portfolio, and geographic perspective - all with the aim of providing better products and solutions for customer needs, and strong profitable growth for the shareholders of Rohm and H aas.

```
Worldwide
```



Pro forma results include Morton and LeaRonal as if these 1999 acquisitions had occurred on January 1,1998 . Pro forma earnings exclude non-recurring items.

The most visible changes occurred with the acquisitions of M orton International and LeaRonal in 1999, and, early in 2000, increased ownership of Rodel and Silicon Valley Chemlabs ( 80 percent each). These acquisitions have brought new technology, new markets, new people and new ideas to our organization. And even though they may have been less visible, there have been transformational changes within the former Rohm and H aas as well. Even before the end of the year, all were working together to create a brand-

[^1]

Raj L. Gupta, C hairman and CEO
new enterprise with the scale, geographic reach, focused technologies, and leadership talent needed to succeed in the new century. We are creating the new Rohm and Haas.

The 1999 financial performance of this brand-new company is notable. We ended the year with $\$ 6.7$ billion in sales on a pro forma* basis, which places us among the verytop of the world's specialty chemical companies. A steady focus on bringing products to the marketplace, along with an extremely smooth integration process and excellent internal cost control, resulted in 1999 earnings per share of $\$ 2.09$, excluding net non-recurring items of $\$ 161$ million, or $\$ .82$ per share for integration and restructuring charges, in-process research and development charges and gainson
 remediation-related insurance recoveries.

Yet the strength of our financial performance is just one indication that our key stakeholders like what they see when they look at the new Rohm and Haas.

The Morton Umbrella G irl has been adorning consumer salt cans since the early 1900s.


Customers
Even though we were busy with integration-related activities, customers remained our primary focus. This commitment was rewarded with pro forma 1999 sales of $\$ 6,652$ million, a 3.5 percent increase over the comparable pro forma figure for 1998. Reported sales for Rohm and H aas for the full-year 1999 were $\$ 5,339$ million. As you read through this report, you will notice that we have organized our businesses into four segments- Performance Polymers, Chemical Specialties, Electronic M aterials and Salt. They are grouped this way because, for the most part, they share technologies, common markets or manufacturing facilities. In addition, you will find that the businesses within each of these four groups also have been given a strategic designation as either a "franchise" or "niche" business.

We believe that the franchise businesses offer the greatest promise for fastpaced growth in Rohm and H aas. They have size and global scale, are highly profitable, have the breadth of products and services to support solutions selling, and the ability to develop new technologies for market needs. These franchise businesses are expected to grow at rates considerably faster than

the markets in which they compete. They also have first claim on new resources for investment.
The franchise businesses include:
Business
1999 pro forma sales
Coatings
Electronic Materials
Adhesives and Sealants
Surface Finishes
Plastics Additives
\$1,110 million $\$ 885$ million $\$ 737$ million \$507 million $\$ 490$ million Consumer and Industrial Specialties $\quad \$ 374$ million

In addition, we have strong niche businesses- healthy, cash-generating businesses that are meeting or exceeding the growth rates of the markets they serve - each with a strong technology, excellent market reputations and contributing value for Rohm and H aas. These businesses are:
Business $\quad 1999$ pro forma sales

Salt
Agricultural Chemicals
Specialty Polymers
Monomers
Performance Chemicals
Ion Exchange Resins
\$849 million \$534 million \$402 million \$305 million $\$ 248$ million \$211 million

## 0 wners

O wners of the company- the shareholders of Rohm and Haas- also responded positively to the new company. Proof can be found in the fact that investors placed a valuation on Rohm and H aas (market capitalization) of $\$ 9$ billion at year end, nearly two times higher than it was at the end of 1998. This represents a profound

## A Tribute to Leadership

vote of confidence in the strategy and direction of the company. Another metric of success in 1999 is total return to shareholders - the combined effect of the change in the share price of the company's common stock, plus dividends. From December 31, 1998 to December 31, 1999, the total return to investorsin Rohm and H aas increased by nearly 36 percent, compared to an increase of 21 percent for the Standard \& Poor'sIndex during the same period.


Medical devices contain our plastic additives.

## Employees

It has been a year of change for the workforce. We have been through a significant amount of restructuring, and have asked people to shift responsibilities as we transition to the new organization. It is with great pride that we tell you that our workforce has been up to these challenging tasks- and has surpassed high expectations for innovative ideas, commitment and integrity. We are especially pleased to note that, even with all of the transitions the company
J. Lawrence Wilson retired as chairman and CEO at the end of September 1999 - ending a 34-year career with Rohm and H aas. When Larry began his term as chairman in 1988, Rohm and H aas was a mid-sized chemical company with about $\$ 2.5$ billion in sales. When he stepped
 J. LawrenceW ilson down in September, Rohm and H aas had grown to be one of the largest specialty chemical companies in the world with $\$ 6.7$ billion in annual sales (on a pro forma basis).

Larry's impact stretched far beyond the borders of Rohm and H aas. Through the years, he had a tremendous influence on the chemical industry through his association with the U.S. Chemical ManufacturersAssociation (CMA). He sat on the CMA board of directors for many years and served aschairman from June 1996 until June 1997. He was instrumental in refining the Responsible Care program, initiating much of the government advocacy done today, developing research programs focusing on the health and environmental effects of chemicals, and helping to

S. Jay Stewart globalize the chemical industry.
S. Jay Stewart retired as vice chairman of Rohm and H aas at the end of O ctober 1999, after serving as CEO of Morton International from 1994 until June 1999 when Rohm and H aas acquired Morton.

During his distinguished career at M orton, Jay contributed to the growth of the company, which had leadership positions in many of its businesses. In 1997, Jay was instrumental in creating the largest automobile occupant restraint company in the world when M orton's airbag business merged with Autoliv. He also expanded Morton's salt business and powder coatings business into Europe in 1997 and early 1998 with the acquisition of Salinsdu Midi, the largest independent salt company in Europe; and Pulverlac, the premier powder coatings company in Italy.

M orethan anyonedse, these two men had theinsight, courageand ability to bring M orton and Rohm and H aas together and to begin to shapethenew Rohm and H aas that exists today. Weapplaud their leedership and integrity and express our most sincere thanks for their years of serviceto their respectivecompanies. We wish them both well in
made during the year, we continued to improve our safety performance. Fewer people were hurt on the job in 1999 than during the year before. Yet we are not satisfied - and will not be satisfied until no one is hurt while working for Rohm and H aas.

## Community

Rohm and H aas prides itself on having earned a good name in the communities in which we operate. As a result of the acquisitions, we now have nearly 150 sites- almost triple what we operated a year ago. Yet, no matter how large we become, we will continue effortsto earn and maintain the public trust. Larger companies can, and should, be held to a leadership standard that raises the bar for others. Our behavior must ensure we meet or exceed the expectations of the public.

## Process

We must have robust internal systems, dynamic processes and globally integrated businesses and staff groups to compete for the long term. Structural changes in the chemical industry (fewer and larger firms), married with


All aspects of our electronic materials technologies contribute to today's electronic devices.
breakthrough changes in the way information is processed, signal a new set of realities- a need for tremendous access to information and lightningquick speed to share it within our organization and with keycustomers; an ongoing need for extraordinary organizational efficiency.

The single most important metric of success in this area in 1999 has been our ability to meet the integration costsavings goals we set for ourselves even before the acquisitions were completed. As of December 1999, Rohm and H aas had reduced its operating expense rate by more than $\$ 150$ million, well on the way to achieving a $\$ 300$ million lower run rate by the end of 2000 .

We are committed to keeping operational excellence as a core competency and will make further improvements in
the future - yet we have already begun to build the internal processes that will facilitate strong growth for Rohm and H aas going forward. We are incorporating best practices from the acquired companies and building systems for leveraging the power of the internet.

## Going Forward

Aswe take this new company into the new century, we will maintain our resolve and focus on the following key goals:

- to deliver on promised cost synergies of $\$ 300$ million by the end of the year;
- to implement growth strategies for the franchise businesses that will drive consolidated revenue growth for the company in excess of 6 percent in 2000, higher in ensuing years;
- to continue to satisfy all our stakeholder groups by meeting our commitments to them; and
- to innovate with services, business processes and technology quickly and flawlessly for the betterment of Rohm and H aas and its shareholders.


Chairman and C hief Executive 0 fficer
J. Michael Fitzpatrick

President and C hief O perating 0 fficer

## A Time of Change and Growth



## Performance Polymers

"Our goal is to be among the leedes in all of themarkes in which we compete, maintain that position, and grow faster than the market. Wehave achieved that in most dements of the PeformancePolymes businesses - Coatings, Specialty Polymers, Plastics Additives and M onomers. With the addition of M orton's adhesives product line, wenow also havea world-class Adhesives and Seelants business with plenty of opportunity for growth."

[^2]

Patrick R.Colau

## Business Description

Performance Polymers isthe company's largest business group and isthe home base for acrylic technology that has been a backbone strength of the company for many years. The 1999 acquisitions have significantly broadened the technologies underpinning the five businesses within this group Coatings, Adhesives and Sealants, Plastics Additives, Monomers and Specialty Polymers. Though managed independently, the financial performance of the Surface Finishes businesses are recorded as part of Performance Polymers. A discussion about the business performance of Surface Finishes businesses can be found toward the end of this section.

In total, Performance Polymers reported $\$ 3.6$ billion in sales for 1999, on a pro forma basis. This compares with $\$ 3.5$ billion in pro forma sales for the year before. Sales as reported were $\$ 2.9$ billion for 1999, compared with $\$ 2.2$ billion in 1998.

Earnings on a pro forma basis, excluding the impact of non-recurring items in both years were $\$ 410$ million in 1999, compared with $\$ 367$ million on the same basisfor the year before. Earnings as reported for Performance Polymers were $\$ 350$ million in 1999; $\$ 372$ million in 1998.

## Business Discussion

Early in the year, spillover from the Asian economic crisis of 1998 plusprice erosion and the strong dollar subdued both revenue and volume growth. Fortunately, increased demand showed up in the third quarter, particularly for acrylic-based products, which restored sales levels for Performance Polymers overall. H owever, rising oil prices drove up raw material feedstock costsduring this period of strong demand, making it necessary to announce product price increases to offset the sharp run-up in raw materials.


C oatings continued to see good demand for its acrylic emulsion polymers and specialty additives used in paints, coatings and varnishes. Sales growth of 6 percent for this $\$ 1.1$ billion business was about twice as strong as GDP growth during the period. Coatings benefited from an extended painting season in North America, share gains in key markets, outstanding demand in Latin America and Asia-Pacific, and an ongoing solid performance in North America.

Coatings also added colorants to their product line as a result of the M orton acquisition. Although currently small, colorants is considered a stepping stone that will allow the company to provide a broader range of products and services to customers.


Rohm and Haas has an unparalleled reputation for its acrylic chemistry used in paints and coatings.

A high point in the coatings business occurred when a new generation of opaque polymers was brought to market in record time. It whizzed through $R \& D$ and commercialization and was selling at significant volumes within six months of commercialization. This was a direct result of product development cycle time which has been cut in half. Coatings now can bring productsto market twice as fast as they could only two years ago.


High-end laminating adhesives strengthen state-of-the-art sails.

Rohm and H aas's new \$737 million Adhesives and Sealants business is a combination of the acrylic technology primarily used for pressure-sensitive tapes and labels and a considerably larger Morton packaging and laminating adhesives business, which includes varied technologies used in food packaging, industrial applications and by the automotive industry. Management intendsto turn this business into a powerful growth vehicle for the company.

Adhesives and Sealants saw higher demand from the tape market during the year, as water-based technology continued to gain share worldwide. Adhesives also saw new business in label adhesives and a stronger performance in automotive adhesives.

Other products in the Adhesives and Sealants business include caulks and sealantsfor construction, automotive adhesives, industrial adhesives and thermoplastic polyurethanes.

Plastics Additives, a $\$ 490$ million business, supplies impact modifiers and processing aids, thermal stabilizers, waxes, lubricants and biocides that are all used in the plastic manufacturing process. Rohm and H aas has a leading position in impact modifiers.

Augmented by the Morton product line of lubricants and stabilizers, Rohm and H aas is better able to be a one-stop shop to polywinyl chloride (PVC) compounders. In 1999, sales growth in Asia-Pacific, North America and Latin America was strong enough to overcome sales declines in Europe that were driven by pricing pressure in extremely competitive markets.

Specialty Polymers sells products used for graphic arts, paper, textiles, nonwovens and leather. It isa \$402 million business with attractive growth opportunities in areas such as waterbased resins used in overprint varnishes and ink vehiclesfor the graphic arts industry, and hollow sphere polymer technology for the paper industry.

The Monomers business is the world's largest manufacturer of acrylic monomers. Although most of the production is used internally as raw materials for its sister Performance Polymers businesses, M onomers also sold $\$ 306$ million of acrylates, methacrylates and specialty monomers to external customers.



Multilayered interior headliners improve the sound insulating qualities of car roofs.

Early in 2000, M onomers acquired Stockhausen's European merchant monomer business and established a 50-50 joint venture with the same firm, to be called StoH aas Monomer. The joint venture will produce a total of 430,000 tons of acrylic acid annually by the end of 2003.

## Outlook

The company is projecting stronger top-line growth next year as a result of volume and improved price relative to 1999. On the manufacturing side, over the next year Performance Polymers will rationalize all the facilities that the combined company now operates.

That will include moving more production to Louisville, Kentucky; closing all except one section of the Greenville, South Carolina, plant; and closing the emulsions unit in Jarrow, England, and moving that product to Dewsbury, England and other European emulsion plants.

Over the last two years, Performance Polymers forged its way through the Asian economic crisis in 1998 and its partial recovery in 1999; and threw its energies into the Morton integration in 1999. Now they expect to reap the benefits of a stronger Asian economy, a strong U.S. economy that they believe will stay healthy, and a better overall European economy in 2000.

"T he most important thing I can do is work closedy with marketing to identify new business opportunities. M y part in this joint effort is to develop a product that will provide what the customer needs."

- San Lee, employee



## Surface Finishes

Surface Finishes entails two strong surface coating formulator businesses that are positioned further along the value chain than most Rohm and H aas businesses- Automotive Coatings and Powder Coatings- which together have sales of approximately $\$ 400$ million, At the time of the Morton acquisition, these two groups along with Morton


The ability to adhere or seal to gether different materials has opened new possibilities for building designs.

Innovative coatings are the products of choice for use on plastic automotive components.

Industrial Coatings composed Rohm and H aas's Surface Finishes group. In December 1999, Rohm and H aas announced plansto sell the Industrial Coatings business to BASF Corporation for $\$ 175$ million. This transaction was completed on March 1st.

Automotive Coatings offers innovative coating solutions for plastic automotive components. The business primarily operates in North America and Europe and has two joint ventures with Nippon Paint Co. Ltd. Both joint ventures supply the Japanese automotive market with paint for plastic components.

Automotive Coatings increased sales by 12.5 percent over 1998's financial results, due to strong N orth American sales performance in 1999. These solid results were fueled by new product innovationsintroduced in the last two years, which accounted for 23 percent of total sales. Some of the new products

"To me, theterm profitable growth means that you increase both your sales and your profits. Sometimes, you can have more sales without making any more money. So, along with selling more product, you have to control your expenditures for things like raw materials. In some cases, it may mean consol idating facilities."

- Carol Rogers, employee

include a coating for plastic composite truck beds, a new line of adhesion promoters that make paint adhere better to molded bumper fascia, and a clear coating that reduces the potential for spotting on car finishes caused by environmental etch agents such as acid rain and bee pollen.

For this business, it is expected that growth will come from a continued investment in research and development, a steadfast commitment to staying close to the customer and expanded effortsin Europe and Latin America to strengthen Automotive Coatings' geographic presence.

Powder Coatings produces the most comprehensive line of thermoset and thermoplastic powder coatingsfor
original equipment manufacturers and metal finishers in the U nited States and Europe. Decorative thermoset products for metals in various chemistries, color and textures represent the majority of sales. Coatings for non-metall ic substrates, primarily wood and plastic, represent significant areas for growth with new proprietary technology.

In 1999, Powder Coatings had 8 percent sales growth in North America and 6 percent sales growth in Europe its two primary regions of operation. Growth was attributed to improved performance of its European operation based in Italy, the commercialization of its wood coatings (Lamineer ${ }^{\text {e }}$ ) and the increased global focus of the business.

It is anticipated that profitable growth for this business will be spurred by increased sales in Lamineer, the introduction of specialty products in Europe and research in new applications. Some of the new applications include lowtemperature cure technologiesfor plastic and assembled parts, coatings that lower applied costs for textured products, high yield coatings for lower application costs and thin-film technologies.


## Chemical Specialties

## "Our charge in the Chemical

 Specialties Group (CSG) is not only to develop businesses that meet or exceed all financial targets, but also to put-together, add-on, combine, changeand refocus our businesses - whatever it takes to create new growth for the company. Wehavethe flexibility to make those changes now and in the future between the Chemical Specialties business units and even with businesses outside of our group."\author{

- Nance K. Dicciani Senior Vice President Chemical Specialties G roup
}


## C hemical Specialties



## Business Description

Creativity and adaptability to change are Chemical Specialties' recipe for success in the new millennium. By the nature of its diverse group of businesses, CSG is able to provide the right atmosphere to incubate new businesses and is already doing so. Rohm and H aas formed this group to be a home for independent specialty chemical businesses, each with its own technologies, customers and marketing strategies. In spite of this individuality, all CSG businesses share the need to meet current and future marketplace needs, achieve profitable growth and continue to improve efficiencies.

Chemical Specialties sales reached $\$ 1.4$ billion on a pro forma basis, compared with $\$ 1.3$ billion on a comparable basis for 1998. Reported sales for 1999 were $\$ 1.2$ billion, compared with $\$ 1.1$ billion the year before. Pro forma earnings were $\$ 135$ million, up from $\$ 130$ million in 1998. Earnings as reported were $\$ 115$ million for 1999, compared with $\$ 94$ million the year before.

pump can be accurately traced.

## Market-Focused Businesses

In mid-1999, Chemical Specialties combined biocide, personal care, detergent, and floor care products from several different businesses, along with products designed to streamline industrial processing to create a new, larger market-focused business called Consumer and Industrial Specialties (CIS). The resulting business, which has \$374 million in sales(on a pro forma basis), simplifies the customer interface and has the technologies and global distribution systems to bring both products and process solutions to customers around the globe.

Early in 2000, CIS announced it would acquire Acima, a Swiss company specializing in biocidal formulations, polyurethane catalysts and other specialty chemicals. This acquisition clearly fits with the CIS strategy to maximize customer value and offer a wide range of solutions for customer problems.

Technology used to extend the shelf life of flowers may also slow the ripening of fruits and vegetables.

As an emerging franchise business, CIS is expected to see good sales growth in 2000 and beyond.

Agricultural C hemicals, the largest of the Chemical Specialties businesses, with $\$ 534$ million in sales on a pro forma basis for 1999, overcame challenges of a rapidly changing agrochemicals industry, some unfavorable economic and currency conditions and uncooperative weather and reported good sales growth, and double-digit earnings growth. A dramatic turnaround in the Asia-Pacific region was most notable.

This business continues to make advances in research and technology that create new productsfor the marketplace. One of the newest under development is Ethylbloc technology, which extends the shelf life of cut flowers and shows potential for slowing the ripening of fruits and vegetables. Ion Exchange Resins isfocused on two key marketsfor itstechnology. The first includes the more traditional water treatment customers, such as local municipalities. The other is customers who need ion exchange resins for highend applications, including water purification for food and pharmaceutical processes. In addition, Ion Exchange began a restructuring of its global operations, including manufacturing capacity, early in 2000, to further enhance profitability.



C onsumers want products that make it easier to clean and care for fabrics - Rohm and H aas technologies make it possible.

"By optimizing our processes, I can help Rohm and H aas operate efficiently. That way, when peopledeal with us, they know they're working with a company that does business the right way: one that supplies products that meet customer needs and that provides thoseproducts at reason able prices." - John Koegel, employee

Performance C hemicals combines M orton's sodium borohydride and dyes businesses with Rohm and H aas's Primenes business. This group is adding value to the marketplace by developing new customer/ supplier relationships. For example, Performance Chemicals recently installed sodium borohydride processing units on-site at two of their customers' plants. This gives Rohm and H aas full-ser vice responsibility for handling the entire borohydride operation for these customers, who can now focus their energies in other areas of their operation.

All the Chemical Specialties businesses now operate globally, as does TosoH aas, Rohm and H aas's joint venture with Tosoh Corp. TosoH aas special izes in bioseparation and continuesto be driven by rapid growth in the pharmaceutical and biotechnology industries worldwide.

## O utlook

In 2000, the collective Chemical Specialties businesses are focused on serving markets and providing solutions will help them achieve sales growth and greater operational efficiency.

## Electronic M aterials


"An extraordinary series of events has allowed us to increase our size and expand our product linein a very short time. I am pleased to say that integration efforts reated to the LeaR onal and M orton acquisitions are going very smoothly. LeaR onal was fully integrated by the end of 1999, and M orton should befully integrated by the second quarter of 2000 .
"Themain thrust of the electronic materials industry continues to be technology, technology, technology. We have benefited from the acquisitions, and intend to stay at the fore front of the advan ced technologies for both printed wiring boards and microelectronics."

- Pierre R. Brondeau Vice President Electronic Materials President and CEO Shipley Electronics

Pro forma results include Morton and LeaRonal as if these 1999 acquisitions had occurred on January 1,1998 Pro forma earnings exclude non-recurring items.


Rodel's expertise in pads and slurries makes them a leader in chemical mechanical planarization technology used to make integrated circuits.

Nineteen ninety-nine pro forma sales for Electronic M aterials were $\$ 885$ million, compared with $\$ 806$ million on a comparable basis in 1998. Reported sales were $\$ 755$ million in 1999, $\$ 398$ million for 1998. Pro forma earnings were $\$ 67$ million for 1999, compared with $\$ 59$ million in 1998. Reported earnings for Electronic Materials were $\$ 57$ million in 1999, compared to $\$ 45$ million reported for 1998.

The centerpiece of the Electronic M aterials business is Shipley Company, a wholly owned subsidiary of Rohm and H aas based near Boston, Massachusetts. Shipley, the recipient of the products and technology of LeaRonal, Morton, and SVC, now operates as two divisions- Shipley Ronal and Shipley Microelectronics. Rodel, the leading supplier of materials for chemical mechanical planarization will continue to operate as a stand alone unit with strong coordination with Shipley Microelectronics.

Shipley Ronal, which accountsfor more than half of annual sales, serves the printed wiring board (PWB) industry and is a process and technology provider to the semiconductor packaging, electronic and industrial finishing industries. Shipley Microelectronics and Rodel address the same market segments within the semiconductor industry with enabling chemistry and processes used to manufacture integrated circuits, sometimes called semiconductors.

## Shipley Ronal

Shipley Ronal came into being in January 1999 with the completion of the LeaRonal acquisition. It was further augmented with the addition of dryfilm photoresist capabilities brought by the Morton acquisition in June. The Shipley Ronal division today is a fullline supplier of process technologies and materials needed for the fabrication of printed wiring boards (PWBs). Anyone who understands the complexity of today's selectronics industry knows how remarkable it is to have a comprehensive product range available from a single supplier who also offerstechnical expertise and a combined pool of R\&D and technical service talent.

Shipley Ronal'sstrengths include metallization and imaging processes and technical service customized to PWB manufacturers' technology and commercial requirements. Being a full line supplier allows Shipley Ronal to respond to the complex issues that arise during the highly complex PWB manufacturing process. Similar services are provided to the electronic and industrial finishing industries and specialized plating for semiconductor packages.

By the end of 1999, Shipley Ronal had met all cost synergy targets for the new organization and had a streamlined global manufacturing and a stronger technical service network nearly in place. It had re-negotiated supplier contracts that will lead to better positioning of its products including dry-film photoresist business. M ost significant, the concept of the full-line supplier has been well received bythe market - indicated by double-digit sales growth for this segment of the business.

## Microelectronics

Shipley Microelectronics focuses on liquid photoresists, developers and ancillary products used to create powerful semiconductors. In 1999, two key product lines represented the fastestgrowing portions of this business deep UV photoresists, which help

"I think the merger was inevitabledue to theincreasing globalization of business. And the combination of three companies was a very important step toward creating a corporation that can compete very effectively in the marketplace"

- Dagmar Kyewski, employee


Finely polished silicon wafers are the first step in making semiconductor chips.
chip makers place intricate, complicated patterns on tiny sections of silicon wafers using ultraviolet light, and anti-reflective coatings, which enable the circuitry to be put on the wafers with a clear, crisp pattern. For Rodel, chemical mechanical planarization (CMP) was the fastest-growing market segment.

During 1999, Shipley introduced a network of chemistries, processes and services designed to meet the rigorous requirements of interconnect fabrication, now and in the future. Marketed as MOSAIC (Metallization and Organic Solutions for Advanced Integrated Circuits), this network is built around advanced technologies- each of which can be used at key steps in the interconnect process- but are even more powerful for customers who combine them as a full-service, fully compatible solution for their interconnect needs.


Printed wiring boards rely on our chemistry.
M OSAIC leverages emerging technologies across the entire Electronic M aterials network: copper metallization acquired from LeaRonal, chemical mechanical polishing (CMP) brought by Rodel, and a comprehensive photoresist product line including deep ultraviolet (DUV) technology and ancillaries developed by Shipley. These technologies will be expanded to include dielectrics, which act as an insulator in microchips.

Bythemselves, these technologies are all significant growth drivers. The MOSAIC combination is expected to be an even more powerful force as the electronics industry pushes for faster circuitry and shiftsfrom aluminum to copper and other metalsthat will allow circuits to work faster.

O ur technology was used to help create this multi-story flat panel display in the heart of N ew York City.

Microelectronics is involved in many other efforts to remain at the forefront of technology. In addition to wellfunded internal research and development programs, strategic alliances have been created. The most notable in 1999 was an agreement between 3M and Rodel for the commercialization of slurryfree polishing of semiconductors and precision polishing of memorydisk products. Also, strong alliances with equipment companies using copper technology are beyond the development phase and now into the ramp-up phase of commercialization.

## O utlook

With an aim to increase global coverage, Asia is a key area of focusfor Electronic M aterials. M arket recovery and a very strong response to Rohm and H aas's full-product strategy of its PWB business has created double-digit growth in 1999. The company expects thisto continue in 2000. Microelectronics should also do well in 2000, as the company continues its efforts to strengthen that business in the Asian region.

On the technology side, Electronic M aterials will keep on doing what it has been doing - assisting customers at finding faster, smaller, cheaper ways to manufacture more powerful electronic devices.

"TheM orton Salt business and its sister companies area welcome addition to the R ohm and H aas portfolio. The brand-name reputation of our products in global markets is second to none. Quality and service are hallmarks of our operations, whether it's mining in Ojibway, Ontario, evaporation ponds in theCamargue region of France or vacuum pan production in H utchinson, K ansas. We are an efficient, profitableand growing part of this company that brings one of life's essential elements to the world."

[^3]

## Business Description

When Rohm and H aas acquired Morton, we inherited one of the world's most valuable, most widely recognized consumer brand names and product symbols. The M orton Salt brand name is so powerful, for example, that more than one out of every two salt round cans purchased by U.S. consumers bears the image of the U mbrella Girl and the trademarked slogan, "when it rains, it pours." The Salt Business Group also is responsible for the leading table salt brands in Canada (Windsor), France (La Baleine), Italy (Gemma) and Spain (Disal).

Yet even though the consumer side of the business is most well known, the scope of the Salt Business extendsfar beyond the table and specialty salt markets to water conditioning, highway/ ice control, food processing, chemical/ industrial uses and agriculture.


* Pro forma results include Morton as if this 1999 acquisition had occurred on January 1,1998. Pro forma earnings exclude non-recurring items.

Salt's financial performance in 1999 was excellent. Pro forma sales for the Salt Business Group were $\$ 849$ million in 1999, up 11 percent over pro forma sales for the year before. Pro forma earnings were $\$ 48$ million for the year, compared with $\$ 30$ million in 1998 on a comparable basis.

## On the Road

In the ice control market, severe winter weather creates a large demand for highway salt. State and municipal highway departments are the largest customers in this market. Extremely heavs storms in January 1999 in M orton's keyice control markets and a heavystorm in early M arch enabled Morton to approach all-time sales records in North America. European ice control sales also were strong, due to severe weather in France and Northern Europe.


La Baleine is the best-known brand of table salt in France.


Salt is an essential ingredient in more than 14,000 industrial and consumer products.

## On the Table

M orton's table salt, known as the "Blue Package," saw modest share growth in 1999. In other words, the Blue Package is holding its own against competitive brands, and continues to perform very solidly. It is clear that the consumer trusts, understands the quality, and sees the value in the Morton brand.

## For W ater Conditioning

In the U.S., M orton sells water softening products through grocery and home improvement stores, mass merchandisers and water conditioning dealers. This business continues to benefit from new home construction, endorsements from water softening unit manufacturers and, more importantly, consumer confidence in the quality of the product. Increased partnering with customers in areas such as vendor-managed inventory services also contributed to a very solid performance in water softening sales in 1999.

In 1999, the Salt Group introduced a potassium-based water-softening product. This premium-priced water softening product, which fills an important niche, is gaining solid distribution in core accounts, and gives consumers a range of water softening technologies from which to choose.

## O ther Markets

Morton also has important markets in food processing, chemical/ industrial processing and agriculture.

The food processing market continues to grow right along with the changing lifestyles of consumers, who are cooking at home less, and relying more on prepared and processed foods to feed themselves and their families.

And salt is an essential or desired ingredient in approximately 14,000 specific industrial and consumer products, including pharmaceuticals, cosmetics, laundry and dishwashing detergents, herbicides and pesticides.

"I can help makesurethat our customers get a quality product that meets or exceeds their requirements and expectations. We have an ISO-certified plant that enables us to address current customer needs, and we focus on continuous product improvement to ensure that we will satisfy their future needs as well."

- Bill Krizman, employee

Agricultural salt is an important dietary supplement for livestock. Salt blocks contain trace minerals such aszinc, iron and sulfur that keep livestock healthy. Major customers include agricultural cooperatives and farm stores.

## On the O perational Side

Operational improvements include a reorganized sales force with increased access to online information systems; new vacuum pan equipment which supplements production capacity and increases production of specialized grades of salt; and significantly improved operating margins in Europe, due to processenhancements and improved efficiencies.


Morton Salt has been used for years to make electronic materials products at our Marlborough, Massachusetts facility.

## A Competitive Future

Consolidation of the salt industry and extreme pricing pressures are forcing businesses to become more agile, especially in the ice control sector. Nonetheless, the salt industry continues to stay healthy, and M orton has an enviable position that through hard work continues to be strengthened.

## Corporate Responsibility

The true test of governance is measured by a company's ability to satisfy all stakeholders with a legitimate claim on the enterprise. At Rohm and H aas, this includes the owner, customer, employee, community and process and we listen to these voices when they speak. The rest of this report provides an accounting to our owners for work we have done on their behalf during the previous year.

## Voice of the Employee

In 1999, the number of people working for Rohm and H aas increased from about 11,000 to more than 21,500. Yet, even with all of the transitionsunder way, the company continued to improve its safety performance.


Rohm and H aas had an O ccupational Injury and IIIness ( O II) rate of 2.34 for 1999.This rate implies that 116 fewer employees were injured in 1999 while on the job.The safety goal for 2000 is to have an 0 II rate of 2.0 or better.

All agree that the ultimate safety goal is to ensure that no one gets hurt while working for Rohm and H aas. In 2000, all sites are being asked to take a closer look at their safety performance,
identify current gaps and then set specific safety goals and a written plan for how those goals will be achieved.

## Voice of the Customer

There is ample evidence of the importance of the customer in other areas of this report. One new initiative deserves mention in this space.

In 1999, the chairman formed an e-Business Council whose charter isto quickly and efficiently launch Rohm and H aas into the mainstream of global internet commerce. Considerable effort is being brought to bear at all levels of the organization.

## Voice of the Community

The only acceptable environmental goal for Rohm and H aas is to do no harm as we strive to bring new technology and products to market and to take swift action to correct mistakes wherever and whenever they occur.

Progress toward this goal can be measured by the ongoing commitment to community advisory councils linked to manufacturing sites in more than 25 countries, and by high standards for the manufacturing operationsthemselves. Today, more than 100 of the company's 124 manufacturing sites worldwide are certified under ISO 9000 standards; 14 have been certified under ISO 14000.

"I can hedp ensure that safety issues don't get overshadowed by production concerns."

- C laudio Benitez, employee

Details of our environmental reporting can be found on page 31 of this report.

## Voice of the Process

One of the greatest challenges facing the larger Rohm and H aas is the efficient and costeffective integration of resources. In June, company leadership promised that the integration of the acquired companies could be completed in a manner that would result in $\$ 300$ million lower operating run rate for the organization by the end of 2000. As of December 31st, the company had achieved more than $\$ 150$ million in lower costs. The company remains confident it will achieve the full potential cost savings before the end of 2000 .

This year, the company is committed to incorporating the best practices from all corners of the new organization, and to building and enhancing internal processes that facilitate growth, particularly in the areas of e-business.

William J. Avery
Chairman, Chief Executive Officer and Director
Crown, Cork \& Seal Company, Inc.
Mr. Avery, 59, has been a director
since 1997. (Committees: 4 (chair),6)
James R. C antalupo
President \& Vice Chairman
McDonald's Corporation
Mr. Cantalupo, 56, has been a director
since 1999.
(Committees: 1,5,6)

## J. Michael Fitzpatrick

President and Chief O perating Officer
Rohm and H aas Company
Dr. Fitzpatrick, 53, became a director January 1, $1999 . \quad$ (Committees: $2,4,5$ )

## Earl G. Graves

President and Chief Executive Officer Earl G. Graves, Ltd.
Chairman and Chief Executive Officer Pepsi-Cola of Washington, D.C.
Publisher and Editor
Black Enterprise M agazine
Mr. Graves, 65, has been a director
since 1984. (Committees: 2,5 (chair),6)

## Raj L. Gupta

Chairman and Chief Executive Officer
Rohm and H aas Company
Mr. Gupta, 54, became a director
January 1, $1999 . \quad$ (Committees: 3 (chair))

## David W. H aas

Board Chairman
William Penn Foundation
Mr. Haas, 44, has been a director since 1999.
(Committees: 2,6)

## Thomas W. H aas

Pilot and Flight Instructor
Mr. H aas, 44, has been a director
since 1999. (Committees: 4,6)

## James A. H enderson

Retired Chairman, Chief Executive
Officer and Director
CumminsEngine Company, Inc.
Mr. Henderson, 65, has been a director
since 1989.
(Committees: 1,5,6)

## Richard L. Keyser

Chairman of the Board and Chief Executive Officer W.W. Grainger, Inc.

Mr. Keyser, 57, has been a director since 1999.
(Committees: 4,6)
John H. McArthur
Retired Dean
H arvard University Graduate School of Business Administration
Mr. McArthur, 65, has been a director since 1977. (Committees:1 (chair), 3,5,6)
Jorge P. Montoya
President, Global Food \& Beverage and Latin America
The Procter and Gamble Company Mr. Montoya, 53, has been a director since 1996.
(Committees: 4,6)
Sandra O. Moose
Senior Vice President and Director
The Boston Consulting Group, Inc.
Dr. M oose, 58, has been a director since 1981 . (Committees: 3,4,6 (chair))

## G ilbert S. O menn

Executive Vice President for
Medical Affairs
University of Michigan
CEO, The University of Michigan
H ealth System
Dr. Omenn, 58, has been a director
since 1987. (Committees: 2 (chair),6)

## Ronaldo H. Schmitz

Member of the Board of
Managing Directors
Deutsche Bank AG
Dr. Schmitz, 61, has been a director since 1992 (Committees: 1,5,6)
Marna C. Whittington
Chief Operating Officer
Morgan Stanley Institutional
Investment Management
Dr. Whittington, 52, has been a director
since 1989.
(Committees: 1,3,5,6)


Committees

1. Audit
2. Corporate Responsibility, Environment, Safety and Health
3. Executive
4. Executive Compensation
5. Finance
6. Nominating

Robert Andrew
Vice President
Business Director,
Specialty Polymers
William C. Andrews
Vice President
Business Director,
Monomers
Thomas L. Archibald
Vice President
Director, Operations
\& Manufacturing
Paul J. Baduini
Vice President
Director, Engineering

## Alan E. Barton

Vice President
Business Director,
Coatings
Walter W. Becky
Vice President
Business Director, Salt
BradleyJ. Bell
Senior Vice President
Chief Financial Officer
Pierre R. Brondeau
Vice President
Business Group Director,
Electronic M aterials
President and CEO, Shipley Company
A. Wayne Carney

Vice President
President, Canadian Salt
Sales \& M arketing Director,
M orton Salt, NAR
Patrick R. Colau
Senior Vice President
Business Group Director, Performance Polymers
Jacques M. Croisetiere
Vice President
Business Director, Ion Exchange Resins

Nance K. Dicciani
Senior Vice President
Business Group Director,
Chemical Specialties
Director, European Region

## Gerard Dumonteil

Vice President
President \& Director General,
Salinsdu Midi
Robert P. Edmonston
Vice President
Business Director,
Performance Chemicals
David T. Espenshade
Vice President
Director, Purchasing
Carlos A. Estevez
Vice President
Business Director,
Agricultural Chemicals
J. Michael Fitzpatrick

President
Chief O perating Officer
Joseph J. Forish
Vice President
Director, Human Resources
Michael S. Foster
Vice President
President, Shipley Ronal
Raj L. Gupta
Chairman
Chief Executive Officer
Nicholas A. G utwein
Vice President
Business Director,
Adhesives\& Sealants
William E. Johnston
Senior Vice President
Business Group Director,
Salt \& Surface Finishes
Tony Khouri
President \& Chief Executive Officer, Rodel
Philip G. Lewis
Vice President
Director, Environmental Health \& Safety

## Robert A. Lonergan

Vice President
General Counsel
Francis T. Maher
Vice President
Director, Asia-Pacific Region
John F. McKeogh
Vice President
Director, Communications
\& Public Relations
Guillermo Novo
Vice President
Director, Latin American Region
Stephen J Rauscher
Vice President
Director, Performance Polymers
SupplyChain
Stephen J. Robinson
Vice President
President, Shipley
Microelectronics Division
James C. Swanson
Vice President
Business Director,
Powder Coatings
Gerry E. Tarzia
Vice President
Business Director, Consumer
\& Industrial Specialties

## Charles M. Tatum

Senior Vice President
Chief Technology Officer
David R. Underwood
Vice President
Business Director, PlasticsAdditives

## Anne M. Wilms

Vice President
Director,
Information Technology
William A. Wulfsohn
Vice President
Business Director,
Automotive Coatings

" The rate of cash generation in our businesses is among the highest in theindustry, providing resources to fund technology and profitable growth."

\author{

- Bradley J. Bell Senior Vice President Chief Financial O ficer
}


## Contents:

Management Discussion and A nalysis
Results of O perations (1999, 1998 and 1997) ..... 26
Summary by Business Segment (1999, 1998 and 1997) ..... 28
Summary of Consolidated Results ..... 29
Liquidity, Capital Resources and Other Financial Data ..... 30
Market Risk Discussion ..... 37
Consolidated Financial Statements
Summary of Significant Accounting Policies ..... 39
Statements of Consolidated Earnings ..... 41
Statements of Consolidated Cash Flows ..... 42
Consolidated Balance Sheets ..... 43
Statements of Consolidated Stockholders' Equity ..... 44
N otes to Consolidated Financial Statements
Note 1 Acquisitions and Dispositions of Assets ..... 45
Note 2 Investments ..... 46
Note 3 Purchased In-process Research and Development ..... 46
Note 4 Provision for Restructuring ..... 47
Note 5 Other Income (Expense), Net ..... 48
Note 6 Financial Instruments ..... 48
Note 7 Income Taxes ..... 49
Note 8 Segment Information ..... 50
Note 9 Pension Plans ..... 51
Note 10 Employee Benefits ..... 53
Note 11 Accounts Receivable, Net ..... 53
Note 12 Inventories ..... 54
Note 13 Prepaid Expenses and Other Assets ..... 54
Note 14 Land, Buildings and Equipment, Net ..... 54
Note 15 Goodwill and Other Intangible Assets, Net ..... 54
Note 16 Other Assets ..... 54
Note 17 Notes Payable ..... 54
Note 18 Long-Term Debt ..... 55
Note 19 Accounts Payable and Accrued Liabilities ..... 55
Note 20 Other Liabilities ..... 55
Note 21 Stockholders' Equity ..... 55
Note 22 Stock Compensation Plans ..... 56
Note 23 Leases ..... 57
Note 24 Contingent Liabilities, Guarantees and Commitments ..... 57
N ote 25 Quarterly Results of Operations ..... 60
Report on Financial Statements ..... 61
Report of Independent Accountants ..... 61
Eleven-Year Summary of Selected Financial Data ..... 62

## Management Discussion and Analysis

In January 1999, the company acquired LeaRonal, Inc. (LeaRonal) an electronic materials business and, in June of 1999, M orton International, Inc. (Morton), a specialty chemicals producer. The details of these transactions are discussed under "Liquidity, Capital Resources and Other Financial Data" below. The results of LeaRonal and Morton have been included in the consolidated financial statements since the dates of acquisition. Unaudited pro forma information is presented in both the table on page 27 and in the Notes to Consolidated Financial Statements.

These acquisitions, accounted for using the purchase method, significantly impact the comparability of 1999 results versus the prior year. Accordingly, pro forma sales and earnings excluding non-recurring items are provided in the results of operations discussions to facilitate comparisons. The pro forma results include Morton and LeaRonal as if the acquisitions had occurred on January 1, 1998. Pro forma adjustments have been made primarily to reflect increased goodwill and intangible amortization and interest expense. Cost savings from integration efforts have not been reflected. Though useful for comparison, pro forma results are not intended to reflect actual earnings had the acquisitions occurred on the dates indicated and are not a projection of future results or trends.

Recent acquisitions such as Rodel, the joint venture with Stockhausen and the divestiture of Industrial Coatings are discussed under "Liquidity, Capital Resources and Other Financial Data." The effects of these activities are not reflected in the consolidated financial statements as of December 31, 1999.

Within thefollowing discussion, unless otherwise stated, "year" and "prior year" refer to 1999 and 1998, respectively. All comparisons are with the previous year, unless otherwise stated.

Results of O perations 1999, 1998 and 1997
Earnings for 1999 were $\$ 249$ million compared to prior year's earnings of $\$ 440$ million. Diluted earnings per common share was $\$ 1.27$ compared to $\$ 2.45$ in 1998. As shown in the table on page 29 both 1999 and 1998 include certain nonrecurring items. Earnings excluding these items for 1999 were $\$ 410$ million, up 4\% from 1998 earnings of $\$ 395$ million. Sales for 1999 increased to \$5,339 million from \$3,720 million in 1998. The increase in sales includes contributions from the acquired Morton and LeaRonal businesses from the
respective dates of acquisition. On a pro forma basis sales grew $3 \%$ to $\$ 6,652$ million from $\$ 6,430$ million in 1998. Diluted earnings per common share excluding non-recurring items was $\$ 2.09$ versus $\$ 2.20$ in 1998.

Earnings for 1998 of \$440 million increased 7\% over 1997 earnings of $\$ 410$ million. Diluted earnings per common share was $\$ 2.45$ compared to $\$ 2.13$ in 1997. Sales decreased $7 \%$ on a 1\% volume increase. The company sold its interest in the AtoH aas joint venture in 1998, affecting the sales and volume comparison. In addition to the exclusion of AtoH aas's sales from 1998, the remaining 50\% of NorsoH aas was acquired and operations in China were consolidated during the year. The unconsolidated RohM ax joint venture was also sold in 1998 but did not affect the sales and volume comparisons. On a comparable-business basis, sales decreased 3\% while volume was flat. The sales decrease on flat volume is largely a result of weaker currencies, primarily in Asia-Pacific, and lower selling prices. Volume increased in Europe and in Latin America while economic weakness hurt volume in the Asia-Pacific region. Volume in North America was flat. On a comparable basis, Asia-Pacific region sales declined 19\% and volume decreased $12 \%$. The company's earnings for the year were flat, excluding non-recurring items. Diluted earnings per common share excluding non-recurring items were $\$ 2.20$ in 1998, up 7\% versus 1997. The increase in reported earnings per share reflects the impact of the company's stock repurchase program and earnings from non-recurring items discussed below.

Nineteen ninety-nine includes non-recurring after-tax charges of $\$ 161$ million, or $\$ .82$ per share, including a charge of $\$ 105$ million for purchased in-process research and development (IPR\&D) from the Morton acquisition. Also included is an after-tax charge of $\$ 23$ million, or $\$ .12$ per share, for restructuring costs resulting both from the integration of M orton and the company's redesign of its selling and administrative infrastructure. The charge is primarily composed of severance costs. In addition, an after-tax charge of $\$ 26$ million, or $\$ .13$ per share, and after-tax income of $\$ 17$ million, or $\$ .09$ per share, were recorded as other expense for other integration costs, primarily outside consultants and for remediationrelated insurance recoveries, respectively. Included in 1998 results are a one-time net after-tax gain of $\$ 45$ million, or $\$ .25$ per share. This net gain affected all segments and regions, except L atin America, and was the net result of the sale of the

N et Sales by Business Segment and C ustomer Location

|  | Performance Polymers |  |  | Chemical Specialties |  |  | Electronic Materials |  |  | Salt | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (M illions of dollars) | 1999 | 1998 | 1997 | 1999 | 1998 | 1997 | 1999 | 1998 | 1997 | 1999 | 1999 | 1998 | 1997 |
| North America | \$1,884 | \$1,456 | \$1,632 | \$ 486 | \$ 400 | \$ 377 | \$352 | \$180 | \$178 | \$291 | \$3,013 | \$2,036 | \$2,187 |
| Europe | 743 | 531 | 568 | 354 | 321 | 301 | 168 | 93 | 90 | 113 | 1,378 | 945 | 959 |
| Asia-Pacific | 197 | 167 | 232 | 224 | 176 | 210 | 235 | 125 | 131 | - | 656 | 468 | 573 |
| Latin America | 115 | 100 | 125 | 177 | 171 | 155 | - | - | - | - | 292 | 271 | 280 |
| Total | \$2,939 | \$2,254 | \$2,557 | \$1,241 | \$1,068 | \$1,043 | \$755 | \$398 | \$399 | \$404 | \$5,339 | \$3,720 | \$3,999 |

Summary of 1995-1999 Results by Business Segment ${ }^{(1)}$

| (M illions of dollars) | Actual |  | Pro forma ${ }^{(2)}$ |  | 1997 | 1996 | 1995 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1999 | 1998 | 1999 | 1998 |  |  |  |
| Net Sales |  |  |  |  |  |  |  |
| Performance Polymers | \$2,939 | \$2,254 | \$3,551 | \$3,521 | \$2,557 | \$2,549 | \$2,482 |
| Chemical Specialties | 1,241 | 1,068 | 1,367 | 1,335 | 1,043 | 1,075 | 1,048 |
| Electronic M aterials | 755 | 398 | 885 | 806 | 399 | 358 | 354 |
| Salt | 404 | - | 849 | 768 | - | - | - |
| Total | \$5,339 | \$3,720 | \$6,652 | \$6,430 | \$3,999 | \$3,982 | \$3,884 |
| $N$ et E arnings |  |  |  |  |  |  |  |
| Performance Polymers | \$ 350 | \$ 372 | \$ 410 | \$ 367 | \$ 297 | \$ 253 | \$ 225 |
| Chemical Specialties | 115 | 94 | 135 | 130 | 105 | 133 | 108 |
| Electronic M aterials | 57 | 45 | 67 | 59 | 52 | 39 | 43 |
| Salt | 10 | - | 48 | 30 | - | - | - |
| Corporate ${ }^{(3)}$ | (283) | (71) | (269) | (279) | (44) | (62) | (84) |
| Total | \$ 249 | \$ 440 | \$ 391 | \$ 307 | \$ 410 | \$ 363 | \$ 292 |

Summary of 1995-1999 N et Sales by Region

| (M illions of dollars) | Actual |  | Pro forma |  | 1997 | 1996 | 1995 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1999 | 1998 | 1999 | 1998 |  |  |  |
| $\overline{\mathrm{N}}$ et Sales |  |  |  |  |  |  |  |
| North America | \$3,013 | \$2,036 | \$3,921 | \$3,871 | \$2,187 | \$2,122 | \$2,074 |
| Europe | 1,378 | 945 | 1,763 | 1,753 | 959 | 1,006 | 976 |
| Asia-Pacific | 656 | 468 | 674 | 527 | 573 | 592 | 597 |
| Latin America | 292 | 271 | 294 | 279 | 280 | 262 | 237 |
| Total | \$5,339 | \$3,720 | \$6,652 | \$6,430 | \$3,999 | \$3,982 | \$3,884 |

(1) 1995-1998 amounts have been restated to reflect the current financial reporting structure
(2) Pro forma results includeM orton and LeaRonal as if these 1999 acquisitions had occurred on January 1, 1998. Pro forma net earnings exclude nonrecurring items.
(3) Corporate includes non-operating items such as interest income and expense, corporate governance costs, and corporate exploratory research. In 1998, it includes loss on early extinguishment of debt, and in 1999, a $\$ 105$ charge for purchased in-process research and development costs associated with the $M$ orton acquisition and significant increases in interest expenseassociated with both the M orton and LeaRonal acquisitions. (See "M anagement's Discussion and Analysis.")
company's interest in the AtoH aas and RohMax joint ventures, an early extinguishment of debt, the write-off of certain intangible assets in Europe and business realignment costs primarily in Asia. (A reconciliation from reported earnings to earnings excluding non-recurring items by business segment for 1999 and 1998 is presented in the table on page 29.) Earnings in 1997 included a gain of $\$ 16$ million after tax, or $\$ .09$ per common share, the net result of remediation settlements with insurance carriers.

Though an insignificant number of treasury shares were repurchased during 1999, primarily related to the exercise of stock options, the repurchase of 17.5 million and 7.7 million common shares during 1998 and 1997, respectively, contributed incrementally $\$ .13$ per share to 1998 and $\$ .12$ per share to 1997.

Summary by Business Segment
(Refer to table on page27)
The company's operations are organized by worldwide business segments. A description of each business segment's operations is included in the beginning of this Annual Report.

Performance Polymers sales increased to $\$ 2,939$ million in 1999 from $\$ 2,254$ million in 1998. Pro forma sales increased $1 \%$. Despite significant volume gains in Performance Polymers, lower selling prices prevented comparable top line growth. Pro forma sales of Coatings, Adhesives and Sealants and Plastic Additives were strong, while M onomers sales decreased. Sales increased in all regions with the exception of North America, where segment sales were essentially flat. Reported earnings excluding non-recurring items increased to $\$ 365$ million for 1999 from $\$ 298$ million in the prior year. Pro forma earnings, which exclude non-recurring items, increased $12 \%$ largely on higher volume but was also helped by lower raw material costs and smooth plant operations.

Performance Polymers 1998 earnings, excluding non-recurring items, were $\$ 298$ million, or essentially unchanged from 1997. Sales were down $12 \%$ to $\$ 2,254$ million from $\$ 2,557$ million in 1997, largely as a result of the absence of 1997 AtoH aas sales of $\$ 305$ million. Volume was flat and sales decreased on a comparable-business basis. The decrease in sales on flat volume was primarily a result of unfavorable currencies in Europe and Asia-Pacific and lower selling prices. Performance Polymers sales in the Asia-Pacific region were down significantly from the prior year. Earnings increased slightly, excluding non-recurring items, largely as a result of lower raw material prices and higher volume in North America and Europe.

Chemical Specialties sales increased to $\$ 1,241$ million in 1999 from sales of $\$ 1,068$ million in 1998. Pro forma sales increased 2\%, largely due to sales of Agricultural Chemicals in Asia-Pacific and Europe with North America sales showing a modest increase. The Consumer and Industrial Specialties business contributed to sales growth, particularly outside of North America. Earnings excluding non-recurring items for 1999 increased $12 \%$ from the prior year period. On a pro forma basis, earnings increased $4 \%$ primarily because of Agricultural Chemicals, which benefited from favorable weather conditions throughout most of the year and economic recovery in several important markets.

Chemical Specialties 1998 earnings were $\$ 109$ million, excluding non-recurring items, up $4 \%$ from $\$ 105$ million in 1997. Sales of $\$ 1,068$ million increased $2 \%$ from 1997 sales of $\$ 1,043$ million despite weaker currencies in Europe and AsiaPacific. Strong mid-year demand in the Agricultural Chemicals business and increased sales of Formulation Chemicals led the sales increase, but were partially offset by decreased comparative results for the Ion Exchange Resins business, particularly in Asia and Eastern Europe. The earnings increase was driven by strength in the Agricultural Chemicals and Consumer and Industrial Specialties businesses, particularly in North America. Volumedriven earnings decreases in the Ion Exchange Resins business in Asia offset most of these increases.

Electronic Materials sales increased to $\$ 755$ million in 1999 from $\$ 398$ million in 1998 as a result of the LeaRonal and Morton acquisitions in 1999. Pro forma sales increased 10\% on volume in both Micro, the specialty chemicals business serving the semiconductor industry, and Shipley Ronal, which consists of the printed wiring board and metal finishing businesses. A strong economic recovery in Asia-Pacific was a contributing factor to this performance. Reported earnings, excluding non-recurring items, increased to $\$ 70$ million from $\$ 46$ million in the 1998 period.

Electronic Materials produced earnings of $\$ 46$ million in 1998, excluding non-recurring items, a decrease of \$6 million, or $12 \%$, from the 1997 period. Sales were essentially flat. Sales increased in all regions, except Asia-Pacific, which offset the other regions. The effects of solid growth in North America and the 1998 contribution of Rodel, a 33\%-owned affiliate acquired in 1997, were mitigated by lower sales and earnings in Asia-Pacific.

Salt sales were $\$ 404$ million in 1999. Included in results for the first time due to the acquisition of Morton, this business
includes salt for a variety of uses, such as table salt, food processing, industrial processing, water softening and highway icing control. Pro forma sales increased $11 \%$, largely through growth in North America, driven by weather-related demand early in the year. Sales in Europe were also higher.

## Summary of Earnings as Reported to Earnings Excluding Non-recurring Items

A reconciliation of earnings as reported to earnings excluding non-recurring items is presented below (in millions):

|  | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | :---: | :---: |
| Earnings as reported | $\$ 249$ | $\$ 440$ |
| IPR\&D and other |  |  |
| acquisition-related charges | $\mathbf{1 1 5}$ | - |
| Joint venture dispositions <br> Remediation-related insurance | $\mathbf{1 4}$ | $\mathbf{( 7 6 )}$ |
| settlements <br> Provision for restructuring | $\mathbf{( 1 7 )}$ | - |
| Asset write-downs, <br> integration and other costs | $\mathbf{2 3}$ | - |
| Early retirements of debt | $\mathbf{2 6}$ | 18 |
| Earnings, excluding | $\mathbf{-}$ | 13 |
| $\quad$ non-recurring items | $\$ 410$ | $\$ 395$ |

Corporate expenses totaled $\$ 283$ million in 1999 compared to $\$ 71$ million in the prior year. Included in 1999 corporate expenses are non-recurring items such as a $\$ 105$ million noncash charge for in-process research and development, an after-tax charge of $\$ 14$ million to settle a matter related to the company's 1998 sale of the AtoH aas joint venture, an aftertax gain of $\$ 17$ million resulting from favorable settlements with insurance carriers over certain environmental remediation matters and integration costs for the acquisitions. Excluding non-recurring items, corporate expenses increased primarily as a result of higher interest expense. Corporate expenses decreased almost 4\% compared to 1998 on a pro forma basis.

Corporate expenses totaled $\$ 71$ million in 1998, compared with $\$ 44$ million in 1997. After-tax charges of $\$ 13$ million related to extraordinary losses on the early extinguishment of debt were included in 1998 results while 1997 reflects an after-tax gain of $\$ 16$ million, the result of remediation settlements with insurance carriers during the fourth quarter. Interest expense of $\$ 34$ million in 1998 was down $13 \%$ from 1997 interest expense because of 1998 debt retirements.

## Summary of Consolidated Results

Net Sales for 1999 increased to $\$ 5,339$ million from $\$ 3,720$ million in 1998. The increase in sales includes contributions from the acquired Morton and LeaRonal businesses from the
respective dates of acquisition. On a pro forma basis, sales grew $3 \%$, to $\$ 6,652$ million from $\$ 6,430$ million in 1998. The company's reported earnings, excluding non-recurring items, increased 4\%. Diluted earnings per common share excluding non-recurring items were $\$ 2.09$ per share versus $\$ 2.20$ in 1998.

In 1998, net sales decreased 7\% on a $1 \%$ volume increase versus 1997. On a comparable business basis, sales decreased $3 \%$ while volume was flat. In addition to the divestiture of two businesses, resulting in the exclusion of AtoH aas' sales from 1998, the remaining $50 \%$ of NorsoH aas was acquired and operations in China were consolidated during 1998. The 1998 sales decrease on higher volume is largely a result of weaker currencies, primarily in Asia-Pacific, and $2 \%$ lower selling prices. Volume was strong in Europe and Latin America while the unfavorable business environment hurt volume in the Asia-Pacific region. Volume in North America was flat. On a comparable business basis, Asia-Pacific region 1998 sales declined $19 \%$ and volume decreased $12 \%$ compared to 1997. Volume growth was strong in all regions during 1998, with all businesses contributing except Agricultural Chemicals.

Gross Profit of $\$ 1,965$ in 1999 increased from $\$ 1,464$ in 1998, but gross profit margin decreased to $37 \%$ versus $39 \%$ in the prior year period. This change reflects in large part the impact of former Morton businesses which operated at lower margins. Also having an impact is higher depreciation expense resulting from the step-up to fair value of acquired assets and $3 \%$ unfavorable selling prices. Raw material prices decreased $6 \%$ in 1999 with most of the decreases reflected in the first half. During the second half of the year raw material prices began to rise with year over year increases manifested in the fourth quarter.
Gross profit of $\$ 1,464$ million increased $1 \%$ from 1997 to 1998, largely as a result of $10 \%$ lower raw material costs and efficient plant operations. Selling prices were $2 \%$ lower. Currency fluctuations in Europe and Asia-Pacific were unfavorable. Raw material prices declined throughout 1998 compared to 1997 largely as a result of lower prices in North America benefiting the Performance Polymers segment.

## Selling,Administrative and Research (SAR) Expenses

 for 1999, excluding the $\$ 105$ million IPR\&D charge, increased $32 \%$ compared to the 1998 period. Excluding expenses of Morton and LeaRonal, SAR decreased approximately $3 \%$.SAR expenses for 1998 were essentially unchanged compared to the 1997 period, reflecting the net effect of higher
research expense and lower selling and administrative expense due to the absence of AtoH aas costs.

Cost Reduction Initiatives In 1999 the company began implementing a planned redesign of its selling and administrative infrastructure and instituted other cost saving measures. The stated goal of these efforts was to reduce annual procurement, SAR and other expenses by $\$ 300$ million. As of December 31, 1999 approximately half of this goal had been reached through cost reductions in support services, procurement and manufacturing. A restructuring charge resulting, in part, from these activities was recorded in the year and is discussed below.

Interest Expense increased to $\$ 159$ million in 1999 from $\$ 34$ million in 1998, due largely to higher debt levels resulting from 1999 acquisitions. Interest expense of $\$ 34$ million in 1998 decreased 13\% from 1997 due to 1998 debt retirements.

## Purchased In-process Research and Development

(IPR\&D), in acquisitions accounted for by the purchase method, represents the value assigned to research and development projects of an acquired company where technological feasibility had not yet been established at the date of the acquisition, and which, if unsuccessful, have no alternative future use. Amounts assigned to IPR\&D are charged to expense at the date of acquisition. Accordingly, the company has charged $\$ 105$ million to expense in 1999 related to the Morton acquisition. (See Note 3 in Notes to Consolidated Financial Statements.)

Share of Affiliate Net Earnings in 1999 of $\$ 7$ million increased from earnings of $\$ 2$ million in 1998, but decreased compared to earnings of $\$ 11$ million in 1997. The 1999 earnings result largely from Rodel. Affiliate earnings decreased in 1998 due to the absence of the affiliate earnings of RohMax. In 1997, share of affiliate net earnings were a result of the RohMax joint venture, the contribution of Rodel and improved results from AtoH aas Europe.

Provision for Restructuring A restructuring reserve was established in 1999 for costs related both to the integration of Morton and the company's redesign of its selling and administrative infrastructure. A portion of these costs resulted in a before-tax charge of $\$ 36$ million ( $\$ .12$ per share after-tax) largely for severance costs for approximately 700 employees of Rohm and H aas, the acquiring company. The charge is net of after-tax pension settlement and curtailment gains. Further settlement gains will be realized over the next
year. An additional $\$ 68$ million largely severance-related reser ve associated with staff reductions of approximately 500 employees of the acquired company was recorded in the allocation of the Morton purchase price. Most of the approximately 1,200 employees affected were in support services, including selling, technical and administrative staff functions, approximately one-third of whom separated from the combined company before December 31, 1999 with the balance scheduled to separate in the first half of 2000. (See Note 4 in Notes to Consolidated Financial Statements.) Further charges for restructuring are expected during 2000 as the company continues to evaluate and align its business portfolio with its stated goals.

Other Income (Expense), Net was $\$ 10$ million in 1999 compared to expense of $\$ 16$ million in 1998 and other income of \$28 million in 1997. Income in 1999 and 1997 relates largely to remediation settlements with insurance carriers during those years.

EffectiveTax Rate for 1999 was 46\%, up from 35\% from the prior year period, largely as a result of the non-deductible write-off of IPR\&D. Excluding this charge, the effective tax rate was $38 \%$. The 1999 rate also reflects the effect of nondeductible amortization charges resulting from the company's 1999 acquisition activities. The effective tax rate was $33 \%$ in 1997. The 1998 increase compared to 1997 was largely a result of the tax effect of 1998 non-recurring items, primarily the gain on the divestiture of the AtoH aas and RohMax joint ventures.

## Liquidity, C apital Resources and 0 ther Financial D ata

Cash Flow provided by operations for 1999 was $\$ 816$ million compared to $\$ 682$ million in 1998. The resulting free cash flow of $\$ 352$ million in 1999 and $\$ 328$ million in 1998 was used largely in the company's acquisitions activities. Free cash flow is cash provided by operating activities less fixed asset spending and dividends.

Financing Total borrowings at year-end 1999 were $\$ 4.1$ billion, compared to $\$ 581$ million at year-end 1998. At the end of 1999 , the debt ratio was $52 \%$ compared with $25 \%$ at the end of 1998. In 1998, the company retired $\$ 130$ million of high interest long-term debt through a tender offer. These debt retirements resulted in an after-tax extraordinary loss of $\$ 13$ million, or $\$ .07$ per share.

On July 6, 1999, the company issued $\$ 2$ billion of long-term debt, refinancing a portion of the commercial paper borrowings used as initial financing for the Morton and LeaRonal
acquisitions. These debt securities include $\$ 500$ million of five-year $6.95 \%$ notes, $\$ 500$ million of ten-year $7.40 \%$ notes and $\$ 1$ billion of thirty-year $7.85 \%$ debentures. Each series of securities will mature on July 15 of its respective year of maturity with interest payable semiannually on January 15 and July 15 of each year, beginning January 15,2000 . The securities are senior unsecured obligations of the company and will rank equally with all other senior unsecured indebtedness. The securities contain restrictions similar to the company's other long-term debt. There are no restrictions on the payment of dividends. In Europe on March 7, 2000, the company issued $€ 400$ million (or $\$ 388$ million) of $6.0 \%$ notes due 2007.

Environmental There is a risk of environmental damage in chemical manufacturing operations. The company's environmental policies and practices are designed to ensure compliance with existing laws and regulations and to minimize the possibility of significant environmental damage. Following the 1999 acquisitions of Morton and LeaRonal, the company began a process at acquired facilities to ensure company-wide uniformity in such policies and practices.

The laws and regulations under which the company operates require significant expenditures for remediation, capital improvements and the operation of environmental protection equipment. Future developments and even more stringent environmental regulations may require the company to make additional unforeseen environmental expenditures.


The company's major competitors are confronted by substantially similar environmental risks and regulations.

The company is a party in various government enforcement and private actions associated with former waste disposal sites, many of which are on the U.S. Environmental Protection Agencys (EPA) Superfund priority list and has been named a potentially responsible party at approximately 140 inactive waste sites where remediation costs have been or may be incurred under the Federal Comprehensive Environmental Response, Compensation and Liability Act and similar state statutes. In some of these cases the company may also be held responsible for alleged personal injury or property damage. The company has provided for future costs at certain of these sites.

The company is also involved in corrective actions at some of its manufacturing facilities. The company considers a broad range of information when determining the amount of its remediation accruals, including available facts about the waste site, existing and proposed remediation technology and the range of costs of applying those technologies, prior experience, government proposals for this or similar sites, the liability of other parties, the ability of other principally responsible parties to pay costs apportioned to them and current laws and regulations. These accruals are updated quarterly as additional technical and legal information becomes available; however, at certain sites, the company is unable, due to a variety of factors, to assess and quantify the

ultimate extent of its responsibility for study and remediation costs. Major sites for which reserves have been provided are the non-company-owned Lipari, Woodland and Kramer sites in New Jersey, and Whitmoyer in Pennsylvania and companyowned sites in Bristol and Philadelphia, Pennsylvania and H ouston, Texas. The Morton acquisition introduced two major sites: Moss Point, Mississippi and Wood-Ridge, New Jersey.

In Wood-Ridge the company and Velsicol Chemical Corporation ("Velsicol") have been held jointly and severally liable for the cost of remediation necessary to correct mercury-related environmental problems associated with a former mercury processing plant. At the date of acquistion Morton had disclosed and accrued for certain ongoing studies, which were expected to be completed by the end of 2000, with regulatory decisions expected in 2001. In allocating the purchase price of M orton, the company accrued for additional study costs at December 31, 1999. Based on the progress of the technical studies, the company expects to develop a range of estimated liabilities in 2000 and revise the allocation of the Morton purchase price; however, final determination of the liability will not be made until regulatory decisions permit such determination. A separate study of the contamination in Berry's Creek, which runs near the plant site, and of the surrounding wetlands area is expected, but on a timetable yet to be determined; therefore, the results of this separate study will not be considered in the allocation of the Morton purchase price. The company's ultimate exposure will also

Asset Turnover, Operating Margin and ROA

depend upon the continued ability of Velsicol and its indemnitor, Fruit of the Loom, Inc., which has filed for protection under the bankruptcy laws, to contribute to the cost of remediation and on the results of attempts to obtain contributions from others believed to share responsibility. A cost recovery action against other responsible parties is pending in federal court. Settlements have been reached with those defendants considered de minimis for claims associated with the WoodRidge plant site. Where appropriate, the analysis to determine the company's liability, if any, with respect to remedial costs at the above sites reflects an assessment of the likelihood and extent of participation of other potentially responsible parties.

During 1996, the EPA notified Morton of possible irregularities in water discharge monitoring reports filed by the Moss Point, Mississippi plant in early 1995. Morton retained an outside law firm to investigate. Other environmental issues at the plant were identified, and the investigation was expanded to address these additional issues. The company has been provided a copy of a draft multi-count civil complaint and was served with subpoenas and a request for information seeking documents related to environmental compliance at Moss Point and other Morton manufacturing sites. The company engaged in negotiations with the EPA, the Department of Justice (DOJ) and the State of Mississippi seeking resolution of these civil issues. The company also engaged in related negotiations with the DOJ concerning

Return on Investment
Percents

potential criminal sanctions against the Moss Point plant. Though at the date of acquisition some remediation and legal costs had been accrued for, the company revised these accruals, as part of the allocation of the purchase price of M orton, based on the status of its discussions with the authorities and on the information available as of December 31, 1999. As a result of the issues that began with Moss Point, the company may be exposed to material fines, penalties, and remedial expenses, but is unable to quantify the ultimate exposure.

The amount charged to earnings before tax for environmental remediation was $\$ 4$ million in 1999, $\$ 10$ million in 1998 and $\$ 46$ million in 1997. The 1997 expense includes a $\$ 20$ million charge resulting from an unfavorable arbitration decision relating to the Woodlands sites; however, reflected in the 1999 charge is a favorable adjustment of $\$ 11$ million resulting from formal approval received in 1999 of a less costly remediation method.

The reservesfor remediation were $\$ 201$ million and $\$ 131$ million at December 31, 1999 and 1998, respectively, and are recorded as "other liabilities" (current and long-term). The company is pursuing lawsuits over insurance coverage for environmental liabilities. It is the company's practice to reflect environmental insurance recoveries in results of operations for the quarter in which the litigation is resolved through settlement or other appropriate legal process. Resolutions typically resolve coverage for both past and future environmental spending. The company settled with several of its insurance carriers in 1999 for a total of \$28 million, which resulted in after-tax income of approximately $\$ 17$ million. These settlements were recognized as income in 1999 and there were no insurance recoveries receivable at December 31, 1999. Insurance recoveries receivable, included in accounts receivable, net, were $\$ 2$ million at December 31, 1998.

In addition to accrued environmental liabilities, the company has reasonably possible loss contingencies related to environmental matters of approximately $\$ 110$ million and $\$ 65$ million at December 31, 1999 and 1998, respectively. Further, the company has identified other sites, including its larger manufacturing facilities, where additional future environmental remediation may be required, but these loss contingencies are not reasonably estimable at this time. These matters involve significant unresolved issues, including the number of parties found liable at each site and their ability to pay, the outcome of negotiations with regulatory authorities,
the alternative methods of remediation and the range of costs associated with those alternatives. The company believes that these matters, when ultimately resolved, which may be over an extended period of time, will not have a material adverse effect on the consolidated financial position or consolidated cash flows of the company, but could have a material adverse effect on consolidated results of operations or cash flows in any given quarter.

Capital spending for new environmental protection equipment was $\$ 30$ million in 1999 versus $\$ 17$ million in 1998. Spending for 2000 and 2001 is expected to be approximately $\$ 29$ million and $\$ 17$ million, respectively. Capital expenditures in this category include projects whose primary purposes are pollution control and safety, as well as environmental aspects of projects in other categories in the table under "Additions to Land, Buildings and Equipment" below that are intended primarily to improve operations or increase plant efficiency. The company expects future capital spending for environmental protection equipment to be consistent with prior-year spending patterns. Capital spending does not include the cost of environmental remediation of waste disposal sites.
Cash expenditures for waste disposal site remediation were $\$ 27$ million in 1999, $\$ 26$ million in 1998 and $\$ 37$ million in 1997. The expenditures for remediation are charged against accrued remediation reserves. The cost of operating and maintaining environmental facilities was $\$ 107$ million, $\$ 94$ million and $\$ 95$ million in 1999, 1998 and 1997, respectively, and was charged against current-year earnings.
Dividends Total common stock dividends paid in 1999 were $\$ .74$ per share, compared to $\$ .70$ per share in 1998. The company's common stock dividend payout is targeted at approximately $35 \%$ of trend-line earnings. Common stock dividends have been paid each year since 1927. The common stock dividend payout has increased annually every year since 1977. Total preferred dividends paid were $\$ 2.75$ per share in 1999, 1998 and 1997.

Additions to Land, Buildings and Equipment Fixed asset additions were $\$ 323$ in 1999 and $\$ 229$ in 1998. Fixed asset additions during 1999 included acrylics expansion in Texas; Coatings expansion in Kentucky; spending on emulsions plants in Spain and China and additional investment in the Agricultural Chemicals business. Nineteen ninetyeight spending focused on emulsions capacity in Europe, ion exchange resin and emulsions capacity in Asia-Pacific and further investment in the Electronic Materials businesses.

The company has budgeted capital expenditures in 2000 of approximately $\$ 400$ million. Spending for environmental protection equipment, which is included in several of the categories in the table shown below, was $\$ 30$ million in 1999, $\$ 17$ million in 1998 and $\$ 18$ million in 1997. Expenditures for the past three years, categorized by primary purpose of project, were:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 | 1997 |
| :--- | :---: | :---: | :---: |
| Environmental, cost savings <br> and infrastructure | $\mathbf{\$ 1 9 1}$ | $\$ 133$ | $\$ 137$ |
| Capacity additions and new <br> products | $\mathbf{9 8}$ | 60 | 87 |
| Research facilities and <br> $\quad$ equipment | $\mathbf{2 2}$ | 27 | 18 |
| Capitalized interest cost <br> Total | $\mathbf{1 2}$ | 9 | 12 |

Acquisitions and Divestitures On June 21, 1999, the company acquired Morton for cash of $\$ 3$ billion and the issuance of $45,121,227$ shares of common stock, for a total transaction value of approximately $\$ 4.9$ billion, including the assumption of $\$ 272$ million of debt. Morton is a manufacturer of specialty chemicals and a producer of salt for a variety of markets. The cash portion of the acquisition was financed primarily through a combination of commercial paper and the later issuance of longer term instruments (see below). As of December 31, 1999, $\$ 26$ million had not yet been paid to former Morton shareholders pending the tender of their shares. This is reflected in accounts payable and accrued

liabilities. Accounted for by the purchase method, the financial statements reflect the allocation of the purchase price based on estimated fair values at the date of acquisition, pending final determination of the fair value of certain contingent legal and environmental liabilities. The allocation as of December 31, 1999, resulted in acquired goodwill of $\$ 1.8$ billion, which is being amortized on a straight-line basis over 40 years. Based on an independent appraisal, $\$ 105$ million of the purchase price was allocated to in-process research and development, which was recorded as a charge in the second quarter of 1999.

In late January 1999, the company acquired all of the outstanding shares of LeaRonal for approximately $\$ 460$ million. LeaRonal develops and manufactures specialty chemical processes used in the manufacture of printed circuit boards, semiconductor packaging and for electronic connector plating and also provides processes for metal-finishing applications. The acquisition, financed primarily through commercial paper, was accounted for using the purchase method. The financial statements reflect the allocation of the purchase price based on estimated fair values at the date of acquisition, later analysis of certain acquired assets and liabilities and the effects of plans now under way to integrate the two companies, including asset write-downs and severance costs. The allocation as of December 31, 1999 has resulted in acquired goodwill of approximately $\$ 202$ million, which is being amortized on a straight-line basis over 40 years.


Millions of Dollars

The results of both Morton and LeaRonal have been included in the consolidated financial statements since the acquisition date.

In the first quarter of 2000 the company sold its Industrial Coatings business to BASF for approximately $\$ 175$ million. The Industrial Coatings business was acquired by the company in June 1999 as part of the acquisition of Morton International and was recorded at its fair value; accordingly, no gain or loss will be recorded on this transaction.

Also in the first quarter of 2000 the company announced its intention to acquire Acima, a Swiss company specializing in biocidal formulations, polyurethane catalysts and other specialty chemicals. In addition the company acquired an 80\% interest in Silicon Valley Chemical Laboratories, Inc. (SVC), a privately-held supplier of high technologies for the semiconductor industry. The combined cost for these two transactions will be approximately $\$ 90$ million. The Acima and SVC transactions will be accounted for under the purchase method and results of operations combined as of the respective dates of acquistion. The financial statements will reflect the allocation of the purchase price based on estimated fair values at the date of acquisition.

In the second quarter of 1999, the company announced its intentions to enter into a joint venture with Stockhausen GmbH and Company ( "Stockhausen") of Germany to form a global partnership for the manufacture of acrylic acid. The company expects the transaction to close by the end of 2000. In conjunction with the proposed joint venture, the company

Capital Additions and Depreciation

acquired Stockhausen's merchant monomer business in Europe in the first quarter of 2000.

During 1998, the company increased its interest in Rodel to $33 \%$, and in early 1999 , purchased an additional $15 \%$ interest. The total cost for these investments was approximately $\$ 149$ million. Rodel is a privately held, Delaware-based leader in precision polishing technology serving the semiconductor, memory disk and glass polishing industries. The investment has been accounted for on the equity method with the company's share of earnings reported as equity in affiliates. In the first quarter of 2000, the company increased its ownership in Rodel, Inc., from $48 \%$ to $80 \%$ for a cost of $\$ 164$ million. Rodel will be consolidated in the company's financial statements beginning in the first quarter of 2000 and will be accounted for under the purchase method with results of operations combined as of the date of acquisition. The financial statements will reflect the allocation of the purchase price based on estimated fair values at the date of the transactions. The amortization period of the resulting goodwill will be determined when the transaction is complete and a thorough review in accordance with the company's policies of all relevant factors has been completed.

The company sold its interest in the AtoH aas and RohM ax businesses in June 1998 for cash proceeds of $\$ 287$ million, resulting in a net after-tax gain of $\$ 76$ million, or $\$ .41$ per share. Subsequent to the sale of the AtoH aas joint venture, the buyer asserted a claim against the company in late 1998

## AssetTurns


related to the value of certain joint venture assets. In 1999, the company settled this matter for approximately $\$ 22$ million ( $\$ 14$ million, after-tax). In 1998, the company acquired the remaining $50 \%$ interest in NorsoH aas, an affiliate acquired in 1997.

Stock Repurchases For the four years ended December 31, 1999, the company repurchased more than 38 million shares, or approximately $19 \%$ of common shares outstanding, at a cost of approximately $\$ 1$ billion. The company repurchased an insignificant number of shares in 1999. During 1998 the company repurchased $17,459,435$ shares of its common stock at a total cost of $\$ 567$ million and $7,653,453$ shares in 1997 at a cost of $\$ 216$ million. M ost of the shares obtained in 1998 were through an accelerated stock repurchase program with a third party. Under the terms of this program, the final cost to the company of $\$ 440$ million ( $\$ 62$ million paid in 1999) reflected the average share price paid by the third party in the market over an extended trading period. Through December 31, 1999, the company had repurchased twothirds of the 12 million shares of common stock authorized under the current buyback program and received board approval in 1998 for another buyback program of an additional 9 million shares. The company does not intend to buy back a significant number of shares in the near future. There were $218,981,189$ and $167,587,287$ common shares outstanding at December 31, 1999 and 1998, respectively.

Working Capital Accounts receivable from customers increased $\$ 643$ million and inventory increased $\$ 472$ million, both reflecting 1999 acquisitions. Days sales outstanding were 70 days, up from 63 days at the end of 1998. Days cost of sales in ending inventory was 76 days, up from 69 days at the end of 1998.

Details about two major components of working capital at the end of 1999 and 1998 follow:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | :---: |
| Inventories |  |  |
| Year-end balance | $\mathbf{\$ 8 9 9}$ | $\$ 427$ |
| Annual turnover | $\mathbf{4 . 8 x}$ | 5.3 x |
| Customer receivables |  |  |
| Year-end balance | $\mathbf{\$ 1 , 2 8 5}$ | $\$ 642$ |
| Annual turnover | $\mathbf{5 . 2 x}$ | 5.8 x |

Land, Building and Equipment, Net Investments in land, buildings and equipment, net issummarized below:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Year-end balance | $\mathbf{\$ 3 , 4 9 6}$ | $\$ 1,908$ |
| Annual turnover | $\mathbf{1 . 9 x}$ | 2.0 x |

Annual turnover figures are calculated by dividing annual sales (for customer receivables and land, buildings and equipment, net) or cost of goods sold (for inventories) by the year-end balance. Pro forma annual sales and cost of sales were used for the 1999 calculations. Days sales outstanding was calculated by dividing ending customer receivables by daily sales, and days cost of sales in ending inventory was calculated by dividing ending inventory by daily cost of sales.

Asset Turnover equals sales divided by year-end total assets. Asset turnover was 1.0 in 1999, 1998 and 1997. The 1999 amount was calculated using pro forma sales and assets.

Return on Assets (ROA) equals net earnings plus after-tax interest expense, divided by year-end total assets. ROA was $4.0 \%$ in 1999, excluding the IPR\&D charge, $12.7 \%$ in 1998 and $11.2 \%$ in 1997.

## Return on Common Stockholders' Equity (ROE) is

 obtained by dividing net earnings less preferred stock dividends by average year-end common stockholders' equity. Average year-end common stockholders' equity is calculated without the reduction for the ESOP transaction. ROE was $13 \%$ in 1999, excluding the IPR\&D charge, $25 \%$ in 1998 and 23\% in 1997.Year 2000 During 1996 management initiated an enter-prise-wide program to prepare the company's computer systems and applications for the year 2000, and, in 1997, began assessing supply chain and customer implications. All of the company's centralized computer systems were inventoried and assessed to determine their year 2000 readiness, and remediation of all systems was completed in 1999. When the date change occurred, the company experienced only minor computer-related failures, none of which caused business interruption.

A significant proportion of the costs associated with the year 2000 effort represented the redeployment of existing information technology resources. In addition, there were consulting and other expenses related to software application and facilities enhancements necessary to prepare the systems for the year 2000. The total cost of $\$ 19$ million was charged to expense as incurred over the duration of the project.

Recent Accounting Standards In 1998, the Financial Accounting Standards Board issued Statement of Financial Accounting Standards (SFAS) No. 133, "Accounting for Derivative Instruments and Hedging Activities," which establishes a new model for the accounting and reporting of derivative and hedging transactions. The statement amends a
number of existing standards and, as amended by SFAS No. 137 , is scheduled to be effective for fiscal years beginning after June 15, 2000. The company expects to adopt this standard as required in fiscal year 2001 and, because of continual business-driven changes to its derivatives and hedging programs, has not fully assessed its potential impact on its financial position or results of operations.

## Market Risk Discussion

The company is exposed to market risk from changes in foreign currency exchange rates, interest rates and commodity prices. This exposure exists because the company denominates its business transactions in a variety of foreign currencies. Also, it finances its operations through long-and short-term borrowings and purchases raw materials at market prices. As a result, future earnings, cash flows and fair values of assets and liabilities are subject to uncertainty. The companys operating and financing plans include actions to reduce this uncertainty including, but not limited to, the use of derivative financial instruments.

The company has established policies governing its use of derivative instruments including counterparty risks. The company does not use derivative instruments for trading or speculative purposes and only enters into derivative contracts based on an economic analysis of underlying exposures, in the expectation that adverse impacts on future earnings, cash flows and fair values due to fluctuations in foreign currency exchange rates, interest rates and commodity prices will be offset by the proceeds from and changes in fair value of the derivative instruments. The company does not hedge its exposure to market risk in a manner that completely eliminates the effects of changing market conditions on earnings, cash flows and fair values.

In evaluating the effects of changes in foreign currency exchange rates, interest rates and commodity prices on the company's business operations, the risk management system uses sensitivity analysis as a primary analytical technique. The analysis assumes simultaneous shifts in those rates and quantifies the impact of such shifts on the company's earnings, cash flows, and fair values of assets and liabilities during a one-year period. The range of changes used for the purpose of this analysis reflects the company's view of changes that are reasonably possible over a one-year period. Fair values are the present value of projected future cash flows based on market rates and prices chosen.

Foreign Exchange Rate Risk Short-term exposures to changing foreign currency exchange rates are primarily due to operating cash flows denominated in foreign currencies. The company covers known and anticipated external transaction and operating exposures by using foreign currency exchange option, forward and swap contracts. The company's most significant foreign currency exposures relate to Western European countries ( primarily Germany, France, Italy, the United Kingdom, Sweden and Spain), as well as Brazil, Mexico, Canada, Japan, and Australia. The company conducted a sensitivity analysis on the fair value of its foreign currency hedge portfolio assuming an instantaneous 10\% change in foreign currency exchange rates from their levels as of December 31, 1999, with all other variables held constant. A $10 \%$ appreciation and depreciation of the U.S. dollar against foreign currencies would result in an increase of $\$ 55$ million and a decrease of $\$ 33$ million, respectively, in the fair value of foreign currency exchange hedging contracts. The sensitivity in fair value of the foreign currency hedge portfolio represents changes in fair values estimated based on market conditions as of December 31, 1999, without reflecting the effects of underlying anticipated transactions. When those anticipated transactions are realized, actual effects of changing foreign currency exchange rates could have a material impact on earnings and cash flows in future periods. Long-term exposures to foreign currency exchange rate risk are managed primarily through operational activities. The company manufactures its products in a number of locations around the world; hence, has a cost base in a variety of European, Asian and Latin American currencies. This diverse base of local currency costs ser ves to partially counterbalance the impact of changing foreign currency exchange rates on earnings, cash flows and fair values of assets and liabilities.

Interest Rate Risk The company is exposed to changes in interest rates primarily due to its financing, investing and cash management activities, which include long- and shortterm debt to maintain liquidity and fund its business operations. The company's current strategic policy is to maintain from 20\% to $40 \%$ of floating rate debt, with a long-term average of $30 \%$. An 80 basis point increase in interest rates would reduce by $\$ 143$ million the fair value of liabilities under the company's floating and fixed rate instruments, including short-and long-term debt and derivative contracts outstanding as of December 31, 1999. An 80 basis point decrease in interest rates will increase the fair value of these liabilities by $\$ 164$ million. In addition, the same degree of
increase in interest rates will reduce the company's after-tax annual cash flows by approximately $\$ 7$ million. An 80 basis point movement is equivalent to approximately $10 \%$ of the company's weighted average rate on its world-wide debt.

Commodity Rate Risk The company purchases certain raw materials such as natural gas, propylene, acetone, and butanol under short- and long-term supply contracts. The purchase prices are generally determined based on prevailing market conditions. Changing raw material prices have historically had material impacts on the company's earnings and cash flows, and will likely continue to have significant impacts on earnings and cash flows in future periods. The company uses commodity derivative instruments to modify some of the commodity price risks. Assuming a 10\% change in the underlying commodity price, the potential change in
the fair value of commodity derivative contracts held at December 31, 1999, would not be material when compared with the company's earnings and financial position.

Forward-Looking Statements This report includes forward-looking statements, reflecting management's current expectations, based on reasonable assumptions. Results could differ materially depending on such factors as changes in business climate, economic and competitive uncertainties, the company's ability to integrate Morton and LeaRonal, changes in strategies, risks in developing new products and technologies, interest rates, environmental and safety regulations and clean-up costs and foreign exchange rates. As appropriate, additional factors are contained in the company's 1999 Form 10-K report filed with the Securities and Exchange Commission.

## Quarterly Stock Prices



## Summary of Significant Accounting Policies

Principles of Consolidation The consolidated financial statements include the accounts of the company and its subsidiaries. Investments in affiliates (20-50\%-owned) are recorded at cost plus equity in their undistributed earnings, less dividends. Intercompany accounts, transactions and unrealized profits and losses on transactions within the consolidated group and with significant affiliates are eliminated in consolidation, as appropriate.
Use of Estimates The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Translation Procedures Foreign currency accounts are translated into U.S. dollars under the provisions of SFAS No. 52 , with the U.S. dollar as the functional currency for approximately half of international operations. Under this standard: (1) land, buildings and equipment and related depreciation, inventories, goodwill and intangibles and related amortization and minority interest are translated at historical rates of exchange; (2) all other assets and liabilities are translated at current rates of exchange, and (3) monthly revenues, costs and expenses other than depreciation, amortization of goodwill and intangibles and cost of goods sold are translated at current rates of exchange. Translation gains and losses of those operations that use local currencies as the functional currency are included as a separate component of other comprehensive income. Foreign exchange adjustments, including recognition of open foreign exchange contracts which are not intended to hedge an identifiable foreign currency commitment, are charged or credited to income based on current exchange rates.

Environmental Accounting Accruals for environmental remediation are recorded when it is probable a liability has been incurred and costs are reasonably estimable. The estimated liabilities are recorded at undiscounted amounts. The cost of operating and maintaining environmental control facilities are charged to expense. Expenditures which mitigate or prevent contamination from future operations
are capitalized and depreciated under normal depreciation policies. It is the company's practice to reflect environmental insurance recoveries in the results of operations for the quarter in which litigation is resolved through settlement or other appropriate legal process.

Earnings Per Share Basic earnings per share is calculated by dividing net earnings applicable to common shareholders by the average number of shares outstanding for the period. Diluted earnings per share is calculated by adding the earnings impact of the conversion of preferred stock to net earnings applicable to common shareholders and dividing this amount by the average number of shares outstanding for the period adjusted for the assumed preferred stock conversion, and for the dilutive effect of an assumed exercise of all options outstanding at the end of the period.
Cash and Cash Equivalents Cash and cash equivalents include cash, time deposits and readily marketable securities with original maturities of three months or less.

Inventories Inventories are stated at the lower of cost or market. Cost is primarily determined under the last-in, firstout (LIFO) method.

## Land, Buildings and Equipment and Related Depreciation

Land, buildings and equipment are carried at cost. Assets are depreciated over their estimated useful lives on the straightline and accelerated methods. M aintenance and repairs are charged to earnings; replacements and betterments are capitalized. The cost and related accumulated depreciation of buildings and equipment are removed from the accounts upon retirement or other disposition with any resulting gain or loss reflected in earnings.

Intangible Assets The company amortizes identifiable intangible assets such as patents and trademarks on the straight-line basis over their estimated useful lives. Goodwill is amortized on the straight-line basis over periods not greater than 40 years. The company evaluates the recoverability of goodwill and other intangible assets on an annual basis, or when events or circumstances indicate a possible inability to recover carrying amounts. Such evaluation is based on various analyses, including cash flow and profitability projections. These analyses necessarily involve significant management judgment.

Impairment of Long-Lived Assets The company assesses the recoverability of its long-ived assets based on current and anticipated future undiscounted cash flows. In addition, the company's policy for the recognition and measurement of any impairment of such assets is to assess the current and anticipated cash flows associated with the impaired asset. An impairment occurs when the cash flows (excluding interest) do not exceed the carrying amount of the asset. The amount of impairment loss is the difference between the carrying amount of the asset and its estimated fair value.

Revenue Recognition Revenues from product sales, net of applicable allowances, are recognized upon shipment of product. Exceptions from this practice include shipments of supplier-owned and managed inventory (SOMI) arrangements. Revenue is recognized under SO MI arrangements when usage of finished goods is reported by the customer, generally on a weekly or monthly basis. Payments received in advance of revenue recognition are recorded as deferred revenue.

IncomeTaxes The company uses the asset and liability method of accounting for income taxes. Under this method, deferred tax assets and liabilities are recognized for the estimated future consequences of temporary differences between the financial statement carrying value of assets and liabilities and their values as measured by tax laws.

Stock Compensation The company applies the intrinsic value method in accordance with APB Opinion No. 25 and related Interpretations in accounting for stock compensation plans. Under this method, no compensation expense is recognized for fixed stock option plans.

Reclassifications Certain reclassifications have been made to prior year columns to conform with current year presentation.

## Statements of Consolidated Earnings

Years ended December 31, 1999, 1998 and 1997

| (M illions of dollars, except per-shareamounts) |  | 1999 | 1998 | 1997 |
| :---: | :---: | :---: | :---: | :---: |
| Current Earnings |  |  |  |  |
|  | Net sales | \$5,339 | \$3,720 | \$3,999 |
|  | Cost of goods sold | 3,374 | 2,256 | 2,544 |
|  | Gross profit | 1,965 | 1,464 | 1,455 |
|  | Selling and administrative expense | 877 | 635 | 637 |
|  | Research and development expense | 236 | 207 | 201 |
|  | Interest expense | 159 | 34 | 39 |
|  | Amortization of goodwill and other intangibles | 83 | 5 | 6 |
|  | Purchased in-process research and development | 105 | - | - |
|  | Provision for restructuring | 36 | - | - |
|  | Gain (loss) on disposition of joint ventures | (22) | 131 | - |
|  | Share of affiliate net earnings | 7 | 2 | 11 |
| Note 5 | Other income (expense), net | 10 | (16) | 28 |
|  | Earnings before income taxes and extraordinary item | 464 | 700 | 611 |
| Note 7 | Income taxes | 215 | 247 | 201 |
|  | Earnings before extraordinary item | \$ 249 | \$ 453 | \$ 410 |
| Note 18 | Extraordinary loss on early extinguishment of debt (net of income tax benefit of \$6) | - | 13 | - |
|  | Net earnings | \$ 249 | \$ 440 | \$ 410 |
| Note 21 | Less preferred stock dividends | 2 | 6 | 7 |
|  | Net earnings applicable to common shareholders | \$ 247 | \$ 434 | \$ 403 |
|  | Earnings per common share before extraordinary item: |  |  |  |
|  | - Basic | \$ 1.28 | \$ 2.55 | \$ 2.17 |
|  | - Diluted | 1.27 | 2.52 | 2.13 |
|  | Earnings per common share: |  |  |  |
|  | - Basic | \$ 1.28 | \$ 2.47 | \$ 2.17 |
|  | - Diluted | 1.27 | 2.45 | 2.13 |
| Weighted average common shares outstanding (in millions) |  |  |  |  |
|  | - Basic | 192.6 | 175.6 | 185.8 |
|  | - Diluted | 195.7 | 179.7 | 192.4 |

See accompanying summary of significant accounting policies (page 39) and notes to consolidated financial statements (page 45).

Rohm and HaasCompany and Subsidiaries

## Statements of Consolidated Cash Flows

Years ended December 31, 1999, 1998 and 1997

| (M illions of dollars) | 1999 | 1998 | 1997 |
| :---: | :---: | :---: | :---: |
| C ash Flows from 0 perating Activities |  |  |  |
| Net earnings | \$ 249 | \$ 440 | \$ 410 |
| Adjustments to reconcile net earnings to net cash provided by operating activities: |  |  |  |
| Purchased in-process research and development | 105 | - | - |
| Depreciation | 368 | 276 | 279 |
| Amortization of goodwill and other intangibles | 83 | 5 | 6 |
| (Gain) loss, as adjusted, on sale of facilities and investments | 22 | (76) | (4) |
| Extraordinary loss on early extinguishment of debt, net of tax | - | 13 | - |
| Changes in current assets and liabilities, net of acquisitions and divestitures |  |  |  |
| Deferred income taxes | (70) | 36 | (11) |
| Accounts receivable | (104) | (1) | 88 |
| Inventories | (41) | 1 | 24 |
| Accounts payable, accrued interest and other accrued liabilities | 164 | (15) | - |
| Federal, foreign and other income taxes payable | 25 | (85) | 12 |
| Other, net | 15 | 88 | (13) |
| Net cash provided by operating activities | 816 | 682 | 791 |

## C ash Flows from Investing Activities

| Acquisitions of businesses and affiliates, net of cash acquired | $(3,394)$ | (21) | (80) |
| :---: | :---: | :---: | :---: |
| Proceeds from the sale of facilities and investments, net of cash sold | - | 287 | 10 |
| Additionsto land, buildings and equipment | (323) | (229) | (254) |
| Net cash (used) provided by investing activities | $(3,717)$ | 37 | (324) |
| C ash Flows from Financing Activities |  |  |  |
| Proceeds from issuance of long-term debt | 2,564 | 44 | 16 |
| Purchases of treasury shares | (65) | (567) | (216) |
| Repayments of long-term debt | (23) | (205) | (44) |
| Net change in short-term borrowings | 608 | 108 | (73) |
| Payment of dividends | (141) | (125) | (121) |
| Other, net | (1) | 2 | - |
| Net cash provided (used) by financing activities | 2,942 | (743) | (438) |
| Net increase (decrease) in cash and cash equivalents | \$ 41 | \$ (24) | \$ 29 |

## Supplemental Cash Flow Information

| Cash paid during the year for: |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Interest, net of amounts capitalized | \$ 72 |  | 36 | \$ |  |
| Income taxes, net of refunds received | 202 |  | 237 |  | 181 |
| Detail of acquisitions of businesses and affiliates: |  |  |  |  |  |
| Fair value of assets acquired | \$ 6,312 | \$ |  | \$ | 80 |
| Liabilities assumed | $(1,216)$ |  | - |  | - |
| Common stock issued | $(1,702)$ |  | - |  | - |
| Net cash paid for acquisitions | \$ 3,394 |  | 21 | \$ | 80 |

See accompanying summary of significant accounting policies (page 39) and notes to consolidated financial statements (page 45).

Rohm and H aas Company and Subsidiaries

## Consolidated Balance Sheets

December 31, 1999 and 1998

| (M illions of dollars) |  | 1999 | 1998 |
| :---: | :---: | :---: | :---: |
|  | Assets |  |  |
|  | Current assets |  |  |
|  | Cash and cash equivalents | \$ 57 | \$ 16 |
| N ote 11 | Accounts receivable, net | 1,370 | 711 |
| N ote 12 | Inventories | 899 | 427 |
| Note 13 | Prepaid expenses and other assets | 171 | 133 |
|  | Total current assets | 2,497 | 1,287 |
| N ote 14 | L and, buildings and equipment, net | 3,496 | 1,908 |
| N ote 2 | Investments in and advances to unconsolidated subsidiaries and affiliates | 282 | 142 |
| N ote 15 | Goodwill and other intangible assets, net | 4,482 | 92 |
| Note 16 | O ther assets | 499 | 219 |
|  |  | \$11,256 | \$3,648 |
|  | Liabilities and Stockholders' Equity |  |  |
|  | Current liabilities |  |  |
| N ote 17 | Notes payable | \$ 931 | \$ 172 |
| N ote 19 | Accounts payable and accrued liabilities | 1,407 | 653 |
|  | Federal, foreign and other income taxes payable | 172 | 50 |
|  | Total current liabilities | 2,510 | 875 |
| N ote 18 | Long-term debt | 3,122 | 409 |
| N ote 10 | Employee benefits | 610 | 432 |
| Note 7 | Deferred income taxes | 1,231 | 168 |
| N ote 20 | Other liabilities | 289 | 184 |
|  | M inority interest | 19 | 19 |
| Note 24 | Commitments and contingencies |  |  |
| Note 21 | Stockholders' equity |  |  |
|  | $\$ 2.75$ cumulative convertible preferred stock; authorized-2,846,061 shares; issued-1999: no shares; 1998: 1,457,956 shares | - | 73 |
|  | Common stock; par value-\$2.50; authorized-400,000,000 shares; issued-1999: 242,078,367 shares; 1998: 196,957,140 shares | 605 | 492 |
|  | Additional paid-in capital | 1,942 | 139 |
|  | Retained earnings | 1,331 | 1,284 |
|  |  | 3,878 | 1,988 |
|  | Less: Treasury stock ( 1999-23,097,178 shares; 1998-29,369,853 shares) | 224 | 286 |
|  | Less: ESOP shares (1999-12,915,000; 1998-13,545,000) | 125 | 132 |
|  | Accumulated other comprehensive income | (54) | (9) |
|  | Total stockholders' equity | 3,475 | 1,561 |
|  |  | \$11,256 | \$3,648 |

See accompanying summary of significant accounting policies (page 39) and notes to consolidated financial statements (page 45).

Rohm and HaasCompany and Subsidiaries

## Statements of Consolidated Stockholders' Equity

Years ended December 31, 1999, 1998 and 1997

| (M illions of dollars) |  |  | 1999 |  | 1998 |  | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Note 21 | Preferred Stock |  |  |  |  |  |  |
|  | Balance, beginning of year |  |  |  |  |  |  |
|  | Redemptions and conversion of shares to common stock |  | (73) |  | (53) |  | (5) |
|  | Balance, end of year | \$ |  |  | 73 |  | 126 |
|  | Common Stock |  |  |  |  |  |  |
|  | Balance, beginning of year | \$ | 492 |  | 590 |  |  |
|  | Shares issued in acquisitions |  | 113 |  | - |  | - |
|  | Retirements of treasury stock |  | - |  | (98) |  | - |
|  | Balance, end of year |  | 605 |  | 492 |  | 590 |
|  | Additional Paid-in Capital |  |  |  |  |  |  |
|  | Balance, beginning of year |  | 139 | \$ | 135 |  |  |
|  | Effect of acquisitions |  | 1,740 |  | - |  | - |
|  | Shares issued to employees under bonus plan, net of preferred conversions |  | 63 |  | 4 |  | (8) |
|  | Balance, end of year |  | 1,942 |  | 139 | \$ | 135 |
|  | Retained Earnings |  |  |  |  |  |  |
|  | Balance, beginning of year |  | 1,284 |  | 1,932 |  | ,643 |
|  | Net earnings |  | 249 |  | 440 |  | 410 |
|  | Common stock dividends paid (\$.74, \$.70 and \$. 63 per share in 1999, 1998, and 1997, respectively) net of tax benefit of |  |  |  |  |  |  |
|  | Retirements of treasury stock |  | (61) |  | (963) |  | - |
|  | Preferred stock dividends ( $\$ 2.75$ per share in 1999, 1998 and 1997) |  | (2) |  | (6) |  | (7) |
|  | Balance, end of year |  | 1,331 |  | 1,284 |  | 1,932 |
| Note 21 | Treasury Stock, at cost |  |  |  |  |  |  |
|  | Balance, beginning of year |  | 286 |  | 820 |  |  |
|  | Shares issued to employees under bonus plan |  | (31) |  | (17) |  | (15) |
|  | Purchases |  | 3 |  | 567 |  | 216 |
|  | Retirements |  | - |  | (1,061) |  | - |
|  | Shares issued for conversion of preferred stock |  | (34) |  | (23) |  | (10) |
|  | Balance, end of year |  | 224 |  | 286 |  | 820 |
|  | Accumulated Other Comprehensive Income, net of tax |  |  |  |  |  |  |
|  | Balance, beginning of year |  | (9) |  |  |  |  |
|  | Net earnings |  |  |  |  |  |  |
|  | Foreign currency translation adjustments |  |  |  |  |  |  |
|  | Minimum pension liability adjustment |  |  |  |  |  |  |
|  | Other comprehensive income |  | (45) |  | 19 |  | (23) |
|  | Comprehensive income |  |  |  |  |  |  |
|  | Balance, end of year | \$ | (54) |  | (9) |  | (28) |

See accompanying summary of significant accounting policies (page 39) and notes to consolidated financial statements ( page 45).

## Notes to Consolidated Financial Statements

## Note 1: Acquisitions and D ispositions of Assets

On June 21, 1999, the company acquired Morton for cash of $\$ 3$ billion and the issuance of $45,121,227$ shares of common stock, for a total transaction value of approximately $\$ 4.9$ billion, including the assumption of $\$ 272$ million of debt. Morton is a manufacturer of specialty chemicals and a producer of salt for a variety of markets. The cash portion of the acquisition was financed primarily through a combination of commercial paper and the later issuance of longer term instruments (see N ote 18). As of December 31, 1999, \$26 million had not yet been paid to former M orton shareholders pending the tender of their shares. This is reflected in accounts payable and accrued liabilities. Accounted for by the purchase method, the financial statements reflect the allocation of the purchase price based on estimated fair values at the date of acquisition, pending final determination of the fair value of certain contingent legal and environmental liabilities. The allocation as of December 31, 1999, resulted in acquired goodwill of $\$ 1.8$ billion, which is being amortized on a straight-line basis over 40 years. Based on an independent appraisal, \$105 million of the purchase price was allocated to in-process research and development, which was recorded as a charge in the second quarter of 1999.

In late January 1999, the company acquired all of the outstanding shares of LeaRonal for approximately $\$ 460$ million. LeaRonal develops and manufactures specialty chemical processes used in the manufacture of printed circuit boards, semiconductor packaging and for electronic connector plating and also provides processes for metal-finishing applications. The acquisition, financed primarily through commercial paper, was accounted for using the purchase method. The financial statements reflect the allocation of the purchase price based on estimated fair values at the date of acquisition, later analysis of certain acquired assets and liabilities and the effects of plans now under way to integrate the two companies, including asset write-downs and severance costs. The allocation as of December 31, 1999 has resulted in acquired goodwill of approximately $\$ 202$ million, which is being amortized on a straight-line basis over 40 years.

The results of both Morton and LeaRonal have been included in the consolidated financial statements since the acquisition date.

The following unaudited pro forma information presents the results of operations of the company as if the above acquisitions had taken place on January 1, 1998 and excludes the write-off of purchased in-process research and development of $\$ 105$ million:

| (In millions, except per share amounts) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Net sales | $\mathbf{\$ 6 , 6 5 2}$ | $\$ 6,430$ |
| Net earnings | $\mathbf{4 4 7}$ | 352 |
| Diluted earnings per share | $\mathbf{\$ 2 . 0 4}$ | $\$ 1.57$ |

These pro forma results of operations have been prepared for comparative purposes only and do not purport to be indicative of the results of operations which actually would have resulted had the acquisitions occurred on the date indicated, or which may result in the future.

In the first quarter of 2000 the company sold its Industrial Coatings business to BASF for approximately $\$ 175$ million. The Industrial Coatings business was acquired by the company in June 1999 as part of the acquisition of Morton International and was recorded at its fair value; accordingly, no gain or loss will be recorded on this transaction.

Also in the first quarter of 2000 the company announced its intention to acquire Acima, a Swiss company specializing in biocidal formulations, polyurethane catalysts and other specialty chemicals. In addition the company acquired an 80\% interest in Silicon Valley Chemical Laboratories, Inc. (SVC), a privately-held supplier of high technologies for the semiconductor industry. The combined cost for the these two transactions will be approximately $\$ 90$ million. The Acima and SVC transactions will be accounted for under the purchase method and results of operations combined as of the respective dates of acquisition. The financial statements will reflect the allocation of the purchase price based on estimated fair values at the date of acquisition.

In the second quarter of 1999, the company announced its intentions to enter into a joint venture with Stockhausen GmbH and Company ("Stockhausen") of Germany to form a global partnership for the manufacture of acrylic acid. The company expects the transaction to close by the end of 2000. In conjunction with the proposed joint venture, the company acquired Stockhausen's merchant monomer business in Europe in the first quarter of 2000.

During 1998, the company increased its interest in Rodel to $33 \%$, and in early 1999, purchased an additional $15 \%$ interest. The total cost for these investments was approximately $\$ 149$ million. Rodel is a privately held, Delaware-based leader in precision polishing technology serving the semiconductor, memory disk and glass polishing industries. The investment has been accounted for on the equity method with the company's share of earnings reported as equity in affiliates. In the first quarter of 2000, the company increased its ownership in Rodel, Inc., from $48 \%$ to $80 \%$ for a cost of $\$ 164$ million. Rodel will be consolidated in the company's financial statements beginning in the first quarter of 2000 and will be accounted for under the purchase method with results of operations combined as of the date of acquisition. The financial statements will reflect the allocation of the purchase price based on estimated fair values at the date of the transactions. The amortization period of the resulting goodwill will be determined when the transaction is complete and a thorough review in accordance with the company's policies of all relevant factors has been completed.

The company sold its interest in the AtoH aas and RohM ax businesses in June 1998 for cash proceeds of $\$ 287$ million, resulting in a net after-tax gain of $\$ 76$ million, or $\$ .41$ per share. Subsequent to the sale of the AtoH aas joint venture, the buyer asserted a claim against the company in late 1998 related to the value of certain joint venture assets. In 1999, the company settled this matter for approximately $\$ 22$ million ( $\$ 14$ million, after-tax). In 1998, the company acquired the remaining $50 \%$ interest in NorsoH aas, an affiliate acquired in 1997.

## N ote 2: Investments

The company's investments in its affiliates ( $20-50 \%$-owned) totaled $\$ 243$ million and $\$ 118$ million at December 31, 1999 and 1998, respectively. The change from 1998 relates primarily to the addition of investments in affiliates and unconsolidated subsidiaries acquired in the Morton acquisition and to additional investment in Rodel in 1999.

## N ote 3: Purchased In-process Research and Development

In acquisitions accounted for by the purchase method, purchased in-process research and development (IPR\&D) represents the value assigned to research and development projects of an acquired company where technological feasibility had not yet been established at the date of the acquisition, and which, if unsuccessful, have no alternative future use. Amounts assigned to IPR\&D are charged to expense at the date of acquisition. Accordingly, the company has
charged $\$ 105$ million to expense in 1999 related to the Morton acquisition. (See Note 1.)

Eight IPR\&D projects were identified based upon discussions with Morton personnel, analyses of the acquisition agreements, and analyses of data provided by Morton. The two most significant research and development projects are Passive Materials and Lamineer coating which together represent more than $90 \%$ of the overall in-process research and development value. The remaining value was assigned to six other in-process projects.

The Passive Materials project is being developed by the Electronic Materials product group, which principally manufactures dry film photoresists sold to printed circuit board manufacturers. Passive M aterials will be, if successfully developed, a new form of film materials. As of the date of acquisition, this project had been in development since July 1996; however, it had not yet reached technological feasibility and will not achieve technological feasibility until all of the component technologies are each successfully developed. The nature of the efforts necessary to complete the project relate to completing the design and building of machinery and processes required to manufacture the passive material and developing full-scale production capabilities that can meet desired customer specifications. Management estimates that this technology will be developed and technological feasibility will be reached in 2000.

Lamineer coating is a new and innovative product for Morton's Powder Coatings business and will be, if successfully developed, a family of powder coatings used for a variety of wood applications. The technology will provide manufacturers an alternative method for applying coatings to wood at increased operating and manufacturing efficiencies. Lamineer coating had been in development since early 1996. During this time, a material portion of the Lamineer technology, the base resins, was completely developed. This portion of technology was identified as having an alternative future use and, therefore, was not classified as IPR\&D. The curing technologies, however, have been identified as IPR\&D. Related products are in the testing and trial stage of development. The efforts required to complete the Lamineer coating project are developing the necessary curing technologies and meeting customer specifications. Management estimates that Lamineer product efforts will be generally completed and will reach technological feasibility in 2000. The estimated cost to complete both the Passive Materials and Lamineer coatings projects is under \$6 million.

The fair values of the in-process completed portion of these research and development projects, are as follows:

| (M illions of dollars) | Fair Value |
| :--- | :---: |
| Passive Materials | $\$ 50$ |
| Lamineer Coating | 48 |
| All Others | 7 |
| Total | $\$ 105$ |

The valuation analysis of these projects was performed just prior to the date of acquisition and was based on information available at that time. The projects identified in the analysis were analyzed based primarily on an evaluation of their status in the product development process, the expected release dates, and the percentage completed.

The technique used in valuing each purchased research and development project was the income approach, which includes an analysis of the markets, cash flows, and risks associated with achieving these cash flows. Significant appraisal assumptions include: The period in which material net cash inflows from significant projects are expected to commence; material anticipated changes from historical pricing, margins and expense levels; and the risk adjusted discount rate applied to the project's cash flows.

Material net cash inflows that are attributable to the completed IPR\&D are expected to begin in 2001 and expected to last through 2015 for both Passive Materials and Lamineer coating. The forecast for both of these in-process projects relied on sales estimates derived from targeted market share, pricing estimates and expected product life cycles. Both Passive Materials and Lamineer coating are expected to generate higher profit margins, two to three times the margins of historical products in their respective product groups. This is due to their new and innovative characteristics, which allow pricing commensurate with their performance. The discount rate used for the acquired in-process technologies was estimated at $20 \%$ for Passive M aterials and $25 \%$ for Lamineer based upon Morton's weighted average cost of capital of $12 \%$. The discount rate used for the in-process technology was determined to be higher than M orton's weighted average cost of capital because the technology had not yet reached technological feasibility as of the date of valuation. In using a discount rate greater than M orton's weighted average cost of capital, management has reflected the risk premium associated with achieving the forecasted cash flows associated with these projects, and because the in-process technology had not yet reached technological feasibility as of the date of valuation.

The nature of the efforts required to develop the acquired in-process technology into technologically feasible and commercially viable products principally relate to the completion of all planning, designing and testing activities that are necessary to establish a product or service that can be produced to meet its design requirements, including functions, features and technical performance requirements. The company currently expects that the acquired in-process technology will be successfully developed, but there can be no assurance that the technological feasibility or commercial viability of these products will be achieved.

## N ote 4: Provision for Restructuring

A restructuring reserve was established in 1999 for costs related both to the integration of Morton and the company's redesign of its selling and administrative infrastructure. A portion of these costs resulted in a beforetax charge of $\$ 36$ million ( $\$ .12$ per share after-tax) largely for severance costs for approximately 700 employees of Rohm and H aas, the acquiring company. The charge is net of after-tax pension settlement and curtailment gains. Further settlement gains will be realized over the next year. An additional $\$ 68$ million largely severancerelated reserve associated with staff reductions of approximately 500 employees of the acquired company was recorded in the allocation of the Morton purchase price. Most of the approximately 1,200 employees affected were in support services, including selling, technical and administrative staff functions, approximately one-hird of whom separated from the combined company before December 31, 1999 with the balance scheduled to separate in the first half of 2000 . Further charges for restructuring are expected during 2000 as the company continues to evaluate and align its business portfolio with its stated goals.

Restructuring reserve activity for 1999 was as follows:

| (M illions of dollars) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Reserve at Beginning of year | Increases to Reserve |  | Decreases toReserve |  | Reserve at End of year |
|  |  | Charged I to Earnings | Incr./(Decr.) Goodwill | Cash Payments | Other Changes* |  |
| Severance and other employee related charges | \$ - | \$ 56 | \$53 | \$(20) | \$(31) | \$58 |
| Pension related gains | - | (24) | - | - | 24 | - |
| Other | - | 4 | 15 | (2) | (2) | 15 |
|  | \$ - | \$ 36 | \$68 | \$(22) | \$ (9) | \$73 |

[^4]N ote 5: O ther Income (Expense), N et

| (M illions of dollars) | 1999 | 1998 | 1997 |
| :---: | :---: | :---: | :---: |
| Interest income | \$ 13 | \$ 13 | \$ 6 |
| Royalty income, net | 10 | 6 | 9 |
| Foreign exchange gains (losses), net | 4 | (13) | 3 |
| Minority interest | (1) | (2) | (5) |
| Provision for write-down of assets | - | (11) | 2 |
| Integration costs | (28) | - | - |
| Voluntary early retirement incentives, severance, litigation settlements and certain waste disposal site cleanup costs | (9) | (8) | (9) |
| Environmental insurance recoveries | 28 | - | 26 |
| Other, net | (7) | (1) | (4) |
| Total | \$ 10 | \$(16) | \$28 |

## N ote 6: Financial Instruments

The company uses derivative financial instruments to reduce the impact of changes in foreign exchange rates, interest rates and commodity raw material prices on its earnings, cash flows and fair values of assets and liabilities. The company enters into derivative financial contracts based on analysis of specific and known economic exposures. The company's policy prohibits holding or issuing derivative financial instruments for trading or speculative purposes.

Credit risk associated with non-performance by counterparties is mitigated by using major financial institutions with high credit ratings. The company also limits the amount of derivative contracts it enters into with each counterparty.

The company uses primarily purchased foreign exchange option contracts to hedge anticipated sales in foreign currencies by foreign subsidiaries. The option premiums paid are recorded as assets and amortized over the life of the option. Gains and losses on purchased option contracts generally are deferred and recorded in the period in which the underlying sales transactions are recognized. At December 31, 1999 and 1998, net deferred unrealized gains were $\$ 9$ million and $\$ 2$ million, respectively.

The notional amounts of foreign exchange option contracts totaled $\$ 329$ million and $\$ 326$ million at December 31, 1999 and 1998 , respectively. The option contracts outstanding at each balance sheet date have maturities of less than twelve months. The table below summarizes by currency the notional value of foreign exchange option contracts in U.S. dollars:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Euro | $\mathbf{\$ 1 6 9}$ | $\$ 161$ |
| British pound | $\mathbf{3 0}$ | 38 |
| Swedish krona | $\mathbf{3 0}$ | 36 |
| Canadian dollar | $\mathbf{3 7}$ | 33 |
| Australian dollar | $\mathbf{3 1}$ | 31 |
| Japanese yen | $\mathbf{2 3}$ | 16 |
| New Zealand dollar | $\mathbf{9}$ | 11 |

The company also uses foreign exchange forward and swap contracts to reduce the exchange rate risk of specific foreign currency transactions. These contracts generally require the exchange of a foreign currency for U.S. dollars at a fixed rate at a future date. The maturities are generally less than twelve months. The carrying amounts of these contracts are adjusted to their market value at each balance sheet date and recorded in other income and expenses. At December 31, 1999, the open foreign exchange for ward contracts totaled $\$ 532$ million in notional amounts, of which $\$ 353$ million is to hedge the external transaction exposures and $\$ 179$ million is to hedge the intercompany loans denominated in currencies other than U.S. dollars. Of the total open foreign exchange forward contracts, $\$ 393$ million is to exchange Euros into U.S. dollars and $\$ 103$ million is to exchange Euros into Canadian dollars. At December 31, 1998, the open foreign exchange forward and swap contracts totaled $\$ 96$ million in notional amounts, of which $\$ 41$ million is to hedge external transaction exposures and $\$ 55$ million is to hedge intercompany loans denominated in currencies other than the U.S. dollar. Of the total open foreign exchange contracts, \$41 million is to exchange the U.S. dollars for Italian lira, $\$ 20$ million for British pounds, $\$ 20$ million for German mark and $\$ 15$ million for Japanese yen.

At December 31, 1999 and 1998, the company was party to a written interest rate option contract with a notional amount of $\$ 25$ million to monetize the call provision on the company's 9.375\% debentures due 2019. The counterparty paid the company a premium of $\$ 5$ million for the right to receive 9.375\% fixed rate payments beginning 1999 through 2002. In return, the counterparty will pay the company variable interest payments based on six-month LIBOR. The written option has been marked to market at each balance sheet date.

The company uses commodity swap agreements for hedging purposes to reduce the effects of changing raw material prices. Gains and losses on the swap agreements are deferred until settlement and recorded as a component of underlying inventory costs when settled. The notional value of commodity swap agreements totaled $\$ 1$ million and $\$ 5$ million at December 31, 1999 and 1998, respectively. The company recorded immaterial related net losses in 1999 and 1998.

The fair value of financial instruments was estimated based on the following methods and assumptions:

Cash and cash equivalents, accounts receivable, accounts payable and notes payable - the carrying amount approximates fair value due to the short maturity of these instruments.

Short and long-term debt - the fair value is estimated based on quoted market prices for the same or similar issues or the current rates offered to the company or its subsidiaries for debt with the same or similar remaining maturities and terms.

Interest rate option contracts - the fair value is estimated based on quoted market prices of the same or similar issues available.

Foreign currency option contracts - the fair value is estimated based on the amount the company would receive or pay to terminate the contracts.

Foreign currency forward and swap agreements - the carrying value approximates fair value because these contracts are adjusted to their market value at the balance sheet date.

Commodity swap agreements - the fair value is estimated based on the amount the company would receive or pay to terminate the contracts.

The carrying amounts and fair values of material financial instruments at December 31, 1999 and 1998 are as follows:

|  | 1999 |  | 1998 |  |
| :---: | :---: | :---: | :---: | :---: |
| $\underline{\text { (M illions of dollars) }}$ | Carrying Amount | Fair Value | Carrying Amount | Fair Value |
|  | Asset (Liability) |  |  |  |
| Short-term debt | \$ (931) | \$ (933) | \$(172) | \$(172) |
| Long-term debt | $(3,122)$ | $(3,120)$ | (409) | (464) |
| Written interest rate options | s (5) | (5) | (10) | (10) |
| Foreign currency options | 4 | 13 | , | 7 |
| Foreign exchange forward contracts | (1) | (1) | (1) | (1) |

## N ote 7: IncomeTaxes

Earnings before income taxes earned within or outside the United States are shown below:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 | 1997 |
| :--- | ---: | ---: | ---: |
| United States |  |  |  |
| $\quad$ Parent and subsidiaries | $\mathbf{\$ 1 4 4}$ | $\$ 559$ | $\$ 446$ |
| $\quad$ Affiliates | $\mathbf{2}$ | 1 | 7 |
| Foreign |  |  |  |
| $\quad$ Subsidiaries | $\mathbf{3 1 3}$ | 120 | 154 |
| $\quad$ Affiliates | $\mathbf{5}$ | 1 | 4 |
| Earnings before income taxes | $\mathbf{\$ 4 6 4}$ | $\$ 681$ | $\$ 611$ |

Earnings before income taxes in 1998 include $\$ 19$ million related to an extraordinary loss on early extinguishment of debt.

The provision for income taxes is composed of:

| (M illions of dollars) | 1999 | 1998 | 1997 |
| :---: | :---: | :---: | :---: |
| Taxes on U.S. earnings |  |  |  |
| Federal |  |  |  |
| Current | \$ 96 | \$142 | \$134 |
| Deferred | 4 | 40 | 7 |
|  | 100 | 182 | 141 |
| State and other |  |  |  |
| Current | 5 | 8 | 6 |
| Total taxes on U.S. earnings | 105 | 190 | 147 |
| Taxes on foreign earnings |  |  |  |
| Current | 133 | 68 | 77 |
| Deferred | (23) | (17) | (23) |
| Total taxes on foreign earnings | 110 | 51 | 54 |
| Total income taxes | \$215 | \$241 | \$201 |

Income taxes in 1998 include a $\$ 6$ million tax benefit resulting from an extraordinary loss on early extinguishment of debt.

Cash payments of income taxes were $\$ 202$ million, $\$ 237$ million and $\$ 181$ million in 1999, 1998 and 1997, respectively.

Deferred income taxes reflect temporary differences between the valuation of assets and liabilities for financial and tax reporting. Details at December 31, 1999 and 1998 were:

| (Millions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Deferred tax assets related to: |  |  |
| $\quad$ Compensation and benefit programs | $\$ 282$ | $\$ 213$ |
| Accruals for waste disposal site remediation | $\mathbf{5 7}$ | 47 |
| Inventories | $\mathbf{2 3}$ | 29 |
| All other | $\mathbf{7 9}$ | 49 |
| $\quad$ Total deferred tax assets | $\mathbf{4 4 1}$ | $\$ 338$ |
| Deferred tax liabilities related to: | $\mathbf{\$ 8 4 4}$ | $\$-$ |
| $\quad$ Intangible assets |  |  |
| Tax depreciation in excess of book | $\mathbf{5 7 9}$ | 300 |
| $\quad$ depreciation | $\mathbf{1 1 3}$ | 80 |
| Pension | $\mathbf{4 9}$ | 23 |
| All other | $\mathbf{\$ 1 , 5 8 5}$ | $\$ 403$ |
| $\quad$ Total deferred tax liabilities | $\mathbf{\$ 1 , 1 4 4}$ | $\$ 65$ |
| $\quad$ Net deferred tax liability |  |  |

Deferred taxes, which are classified into a net current and non-current balance by tax jurisdiction, are presented in the balance sheet as follows:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Prepaid expenses and other assets | $\mathbf{\$ 8 1}$ | $\$ 94$ |
| Other assets, net | $\mathbf{6}$ | 10 |
| Accounts payable and accrued liabilities | - | 1 |
| Non-current deferred income taxes | $\mathbf{1 , 2 3 1}$ | 168 |
| Net deferred tax liability | $\mathbf{\$ 1 , 1 4 4}$ | $\$ 65$ |

The effective tax rate on pre-tax income differs from the U.S. statutory tax rate due to the following:

|  | $\mathbf{1 9 9 9}$ | 1998 | 1997 |
| :--- | :---: | :---: | :---: |
| Statutory tax rate | $\mathbf{3 5 . 0} \%$ | $35.0 \%$ | $35.0 \%$ |
| U.S. tax credits | $\mathbf{( 2 . 5 )}$ | $(1.4)$ | $(1.5)$ |
| Charge for IPR\&D | $\mathbf{7 . 9}$ | - | - |
| Amortization of non-deductible <br> $\quad$ goodwill | $\mathbf{2 . 5}$ | - | - |
| Asset write-downs and dispositions | - | .5 | - |
| Effect of non-taxable currency items <br> Gain on sale of facilities and <br> investments | $\mathbf{1 . 1}$ | .1 | .5 |
| State taxes, net of federal benefit | - | 1.5 | - |
| Taxes on foreign earnings | $\mathbf{. 7}$ | .3 | .4 |
| Other, net | $\mathbf{1 . 2}$ | $(.6)$ | $(.6)$ |
| Effective tax rate | $\mathbf{4 6 . 3}$ | $(.1)$ | $\mathbf{( . 9 )}$ |

Provision for U.S. income taxes, after applying statutory tax credits, was made on the unremitted earnings of foreign subsidiaries and affiliates which have not been reinvested abroad indefinitely. Total unremitted earnings, after provision for applicable foreign income taxes, were approximately $\$ 416$ million at December 31, 1999.

## N ote 8: Segment Information

In 1998, the Company adopted SFAS No. 131, "Disclosures about Segments of an Enterprise and Related Information." The statement supersedes SFAS No. 14, "Financial Reporting for Segments of a Business Enterprise," replacing the indus try segment approach with a management approach. SFAS No. 131 designates the internal management accountability structure as the source of the company's reportable segments. The statement also requires disclosures about products and services, geographic areas and major customers. The adoption of this standard did not affect results of operations or financial position but did affect the disclosure of segment information as presented below.

The company's business segment reporting under SFAS No. 131 is consistent with the changes in its financial reporting structure incorporated in the company's reporting since the first quarter of 1998 as revised subsequent to the Morton and LeaRonal acquisitions in 1999. These changes, and concurrent changes to the management organization, were made to better reflect the company's technical strengths and focus on key markets. There are four business segments: Performance Polymers consisting of Adhesives and Sealants, Coatings, Specialty Polymers, Monomers, and Plastics Additives businesses; Chemical Specialties, consisting of the Agricultural Chemicals, Ion Exchange, Consumer and Industrial Specialties and Primenes businesses; Electronic M aterials, consisting of Shipley Micro, Shipley Ronal and Rodel, an affiliate as of December 31, 1999 (see Note 1); and Salt, a business acquired with the Morton acquisition. Corporate includes non-operating items such as interest income and expense, corporate governance costs, corporate exploratory research and, in $1999 \$ 105$ million of purchased IPR\&D and in 1998 a loss on early extinguishment of debt.

The 1998 and 1997 presentations have been restated to reflect these changes. In the restatement, 1997 results of AtoH aas and RohMax are reported under Performance Polymers.

| 1999 Per | erformance <br> Polymers | Chemical Specialties | Electronic <br> Materials | Salt | Corporate | Consolidated |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales to external customers | \$2,939 | \$1,241 | \$ 755 | \$ 404 | \$ - | \$ 5,339 |
| Operating profit after tax ${ }^{(1)}$ | 350 | 115 | 57 | $10$ | (283) | 249 |
| Share of affiliate ne earnings (losses) | et 6 | 1 | 2 | - | (2) | 7 |
| Depreciation | 215 | 61 | 23 | 25 | 44 | 368 |
| Segment assets | 4,413 | 2,012 | 1,520 | 2,708 | 603 | 11,256 |
| Capital additions | 195 | 65 | 22 | 33 | 8 | 323 |


| 1998 Per | erformance <br> Polymers | Chemical Specialties | Electronic Materials | Salt | Corporate | Consolidated |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales to external <br> customers $\quad \$ 2,254 \quad \$ 1,068 \quad \$ 398 \quad \$-\quad \$-\quad \$ 3,720$ |  |  |  |  |  |  |
| Operating profit after tax ${ }^{(2)}$ | 372 | 94 | 45 | - | (71) | 440 |
| Share of affiliate ne earnings (losses) | et 2 | - | 4 | - | (4) | 2 |
| Depreciation | 178 | 61 | 17 | - | 20 | 276 |
| Segment assets | 1,819 | 891 | 511 | - | 427 | 3,648 |
| Capital additions | 139 | 49 | 29 | - | 12 | 229 |


| 1997 Per | Performance Polymers | Chemical Specialties | Electronic Materials | Salt | Corporate | Consolidated |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sales to external |  |  |  |  |  |  |
| customers | \$2,557 | \$1,043 | \$399 | \$ - | \$ - | \$ 3,999 |
| O perating profit |  |  |  |  |  | 410 |
| Share of affiliate ne earnings (losses | et 9 | (1) | 3 | - | - | 11 |
| Depreciation | 192 | 59 | 16 | - | 12 | 279 |
| Segment assets | 2,097 | 864 | 457 | - | 482 | 3,900 |
| Capital additions | 159 | 47 | 33 | - | 15 | 254 |

(1) In 1999 the company madesignificant acquisitions the results of which have been included in the con solidated financial statements since the dates the businesses were acquired. (SeeN ote 1.) Also in 1999, significant non-recurring items totaling $\$ 161$ million after-tax, or $\$ .82$ per share, wereincurred including: a $\$ 105$ million writeoff of purchased IPR\& D, a restructuring charge, a charge related to 1998 joint venturedispositions and restructuring charges in the Electronic $M$ aterials segment, Electronic $M$ aterials segment asset writedowns and other restructuring charges mostly associated with the 48\% owned Rodel affiliate and gains related to environmental remediation related insurance settlements.
(2) Included in 1998 results area onetimenet gain of $\$ 45$ million after-tax. This net gain was the net result of the sale of the company's interest in the A toH aas and RohM ax joint ventures, an early extinguishment of debt, the writeoff of certain intangibleassets in Europe and business realignment costs primarily in Asia.
(3) Includes a gain of $\$ 16$ million after tax, the net result of remediation settlements with insurance carriers during the fourth quarter.

The tables below present sales and long-lived asset information by geographic area as of and for the period ending December 31. Sales are attributed to the United States and to all foreign countries combined largely based on customer location and not on the geographic location from which goods were shipped.

| 1999 | United States | Foreign | Consolidated |
| :--- | :---: | :---: | :---: |
| Sales to external customers | $\mathbf{\$ 2 , 4 5 9}$ | $\mathbf{\$ 2 , 8 8 0}$ | $\mathbf{\$ 5 , 3 3 9}$ |
| Long-lived assets | $\mathbf{5 , 1 3 8}$ | $\mathbf{3 , 1 2 2}$ | $\mathbf{8 , 2 6 0}$ |
| 1998 |  |  |  |
|  |  |  |  |
| United States | Foreign | Consolidated |  |
| Sales to external customers | $\$ 1,754$ | $\$ 1,966$ | $\$ 3,720$ |
| Long-lived assets | 936 | 1,206 | 2,142 |
| 1997 |  |  |  |
| Uales to external customers | $\$ 1,890$ | $\$ 2,109$ | $\$ 3,999$ |
| Long-lived assets | 1,059 | 1,263 | 2,322 |

## N ote 9: Pension Plans

The company has noncontributory pension plans which provide defined benefits to domestic and non-U.S. employees meeting age and length of service requirements. The pension plans for Morton employees are included in the 1999 valuation. The following disclosures include amounts for both the U.S. and significant foreign pension plans.

|  | $\mathbf{1 9 9 9}$ | 1998 | 1997 |
| :--- | :---: | :---: | :---: |
| Components of net periodic <br> pension income |  |  |  |
| Service cost | $\mathbf{\$ ( 5 2 )}$ | $\$(39)$ | $\$(39)$ |
| Interest cost | $\mathbf{( 8 3 )}$ | $(64)$ | $(63)$ |
| Expected return on plan assets | $\mathbf{1 4 8}$ | 108 | 101 |
| Amortization of net gain existing at |  |  |  |
| $\quad$adoption of SFAS No. 87 | $\mathbf{9}$ | 9 | 10 |
| Other amortization, net | $\mathbf{7}$ | 5 | 1 |
| $\mathbf{N e t ~ p e r i o d i c ~ p e n s i o n ~ i n c o m e ~}$ | $\mathbf{\$ 2 9}$ | $\$ 19$ | $\$ 10$ |

Pension income primarily reflects recognition of favorable investment experience as stipulated by SFAS No. 87. The pension benefit payments in all three years included payments related to voluntary early retirement incentives and a severance benefit program.

The early retirement and severance benefit programs resulted in a pretax gain of $\$ 1$ million, $\$ 3$ million and $\$ 4$ million in 1999, 1998 and 1997, respectively, as settlement gains from retirees electing lump-sum distributions exceeded the cost of the special termination benefits. It is the company's policy to recognize settlement gains at the time of settlement. Special termination benefits are recognized when the termination is probable and the amount of the benefit is calculable.

Plan activity and status as of and for the years ended December 31 were as follows:

|  | 1999 | 1998 |
| :---: | :---: | :---: |
| Change in pension obligation |  |  |
| Pension obligation at beginning of year | \$ 999 | \$ 943 |
| Service cost, excluding expenses | 45 | 34 |
| Interest cost | 83 | 64 |
| Plan participants' contributions | 1 | 1 |
| Divestitures, curtailments and settlements | (11) | (35) |
| Special termination benefits | 35 | 5 |
| Actuarial (gain) loss | (25) | 75 |
| Acquisitions | 660 | - |
| Foreign currency exchange rate changes | (1) | (1) |
| Benefits paid | (171) | (87) |
| Pension obligation at end of year | \$1,615 | \$ 999 |
| Change in plan assets |  |  |
| Fair value of plan assets at beginning of year | \$1,462 | \$1,401 |
| Actual return on plan assets | 279 | 198 |
| Contributions | 3 | 2 |
| Transfer to fund retiree medical expenses | - | (14) |
| Trust expenses | (6) | (5) |
| Divestitures | (5) | (32) |
| Acquisitions | 799 | - |
| Foreign currency exchange rate changes | - | (1) |
| Benefits paid | (171) | (87) |
| Fair value of plan assets at end of year | \$2,361 | \$1,462 |
| Funded status | \$ 746 | \$ 463 |
| U nrecognized actuarial gain | (434) | (302) |
| Unrecognized prior service cost | 15 | 15 |
| Net amount recognized | \$ 327 | \$ 176 |
| Amounts recognized in the statement of financial position consist of: |  |  |
| Prepaid pension cost | \$ 317 | \$ 146 |
| Unrecognized transition asset | 10 | 30 |
| Net amount recognized | \$ 327 | \$ 176 |

Net assets of the pension trusts, which primarily consist of common stocks and debt securities, were measured at market value. Assumptions used are as follows:

|  | 1999 |  | 1998 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { U.S. } \\ & \text { Plans } \end{aligned}$ | Non-U.S. <br> Plans | $\begin{aligned} & \text { U.S. } \\ & \text { Plans } \end{aligned}$ | Non-U.S. Plans |
| Weighted-average assumptions as of December 31 |  |  |  |  |
| Discount rate | 6.75\% | 6.3\% | 6.5\% | 6.3\% |
| Expected return on plan assets | 8.6 | 7.8 | 8.5 | 7.9 |
| Rate of compensation increase | 4.0 | 4.2 | 4.0 | 4.3 |

The company transferred excess pension plan assets of \$14 million in 1998 to fund retiree medical expenses as allowed by U.S. tax regulations.

The company has a noncontributory, unfunded pension plan which provides supplemental defined benefits to U.S. employees whose benefits under the qualified pension plan are limited by the Employee Retirement Security Act of 1974 and the Internal Revenue Code. These employees must meet age and length of service requirements. Pension cost determined in accordance with plan provisions was $\$ 14$ million in 1999, $\$ 11$ million in 1998 and $\$ 6$ million in 1997. Pension benefit payments for this plan were $\$ 9$ million in 1999, $\$ 4$ million in 1998 and 1997.

The company has a nonqualified trust, referred to as a "rabbi" trust, to fund benefit payments under this supplemental pension plan. Rabbi trust assets are subject to creditor claims under certain conditions and are not the property of employees. Therefore, they are accounted for as corporate assets and are classified as other non-current assets. Assets held in trust at December 31, 1999 and 1998 totaled $\$ 68$ million and $\$ 30$ million, respectively.

The status of this plan at year end was as follows:

|  | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | :---: | ---: |
| Change in pension obligation |  |  |
| Pension obligation at beginning of year | $\$ 91$ | $\$ 61$ |
| Service cost | $\mathbf{2}$ | 1 |
| Interest cost | $\mathbf{7}$ | 6 |
| Special termination benefits costs | $\mathbf{( 3 )}$ | 4 |
| Actuarial loss | $\mathbf{5}$ | 23 |
| Acquisitions | $\mathbf{3 3}$ | - |
| Benefits paid | $\mathbf{( 1 1 )}$ | $(4)$ |
| Pension obligation at end of year | $\$ 124$ | $\$ 91$ |

Pension benefit obligations for this plan were determined from actuarial valuations using an assumed discount rate of $6.75 \%$ and $6.5 \%$ at December 31, 1999 and 1998, respectively, and an assumed long-term rate of compensation increase of 4\% in 1999 and 1998.

In 1997, the company instituted a nonqualified savings plan for eligible employees in the United States. The purpose of the plan is to provide additional retirement savings benefits beyond the otherwise determined savings benefits provided by the Rohm and Haas Company Employee Stock
O wnership and Savings Plan (the "Savings Plan"). Each participant's contributions is notionally invested in the same investment funds as the participant has elected for investment in his or her Savings Plan account. For most participants, the company contributes a notional amount equal
to 60\% of the first 6\% of the amount contributed by the participant. The company's matching contributions are allocated to deferred stock units. At the time of distribution, each deferred stock unit will be distributed as one share of Rohm and H aas Company common stock. Contributions to this plan were $\$ 5$ million and $\$ 2$ million in 1999 and 1998, respectively.

N ote 10: Employee Benefits

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Postretirement health care and |  |  |
| $\quad$ life insurance benefits | $\$ 465$ | $\$ 313$ |
| Postemployment benefits <br> Unfunded supplemental pension plan <br> (see Note 9) | 29 | 19 |
| Unfunded foreign pension liabilities | $\mathbf{8 0}$ | 74 |
| Other | $\mathbf{2 7}$ | 26 |
| Total | $\mathbf{9 6 1 0}$ | $\mathbf{9}$ |

The company provides health care and life insurance benefits under numerous plans for substantially all of its domestic retired employees, for which the company is self-insured. In general, employees who have at least 15 years of service and are 60 years of age are eligible for continuing health and life insurance coverage. Retirees contribute toward the cost of such coverage.

The status of the plans at year end was as follows:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | :---: | :---: |
| Change in pension obligation |  |  |
| Benefit obligation at beginning of year | $\$ 269$ | $\$ 265$ |
| Service cost | $\mathbf{7}$ | 5 |
| Interest cost | $\mathbf{2 3}$ | 17 |
| Divestitures, curtailments and settlements | - | $(8)$ |
| Amendments | $\mathbf{1}$ | - |
| Special termination benefits | $\mathbf{1}$ | 1 |
| Actuarial loss | $\mathbf{7}$ | 7 |
| Restructuring charge | $\mathbf{3}$ | - |
| Acquisitions | $\mathbf{1 4 8}$ | - |
| Benefits paid | $\mathbf{( 3 0 )}$ | $(18)$ |
| Benefit obligation at end of year | $\$ 429$ | $\$ 269$ |
| Unrecognized prior service cost | $\mathbf{9}$ | 10 |
| Unrecognized actuarial loss | $\mathbf{4 5}$ | 53 |
| Total accrued postretirement benefit obligation | $\$ 483$ | $\$ 332$ |

The accrued postretirement benefit obligation is recorded in "accrued liabilities" (current) and "employee benefits" (non-current).

Net periodic postretirement benefit cost includes the following components:

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 | 1997 |
| :--- | :---: | :---: | :---: |
| Components of net periodic <br> postretirement cost |  |  |  |
| Service cost | $\mathbf{\$ 7}$ | $\$ 5$ | $\$ 5$ |
| Interest cost | $\mathbf{2 3}$ | 17 | 17 |
| Net amortization | $\mathbf{( 3 )}$ | $\mathbf{( 4 )}$ | $(4)$ |
| Net periodic postretirement cost | $\mathbf{\$ 2 7}$ | $\$ 18$ | $\$ 18$ |

The calculation of the accumulated postretirement benefit obligation assumes $5 \%$ annual rates of increase in the health care cost trend rate for 1999 and 1998, respectively. The companys plan limits its cost for health care coverage to an increase of $10 \%$ or less each year, subject ultimately to a maximum cost equal to double the 1992 cost level. Increases in retiree health care costs in excess of these limits will be assumed by retirees.

Assumed health care cost trend rates have a significant effect on the amounts reported for the health care plans. A one-percentage-point change in assumed health care cost trend rates would have approximately the following effects:

|  | 1-Percentage Point Increase |  | 1-Percentage Point Decrease |  |
| :---: | :---: | :---: | :---: | :---: |
| (M illions of dollars) | 1999 | 1998 | 1999 | 1998 |
| Effect on total of service and interest cost components | \$ 1 | \$1 | \$ (1) | \$ (1) |
| Effect on postretirement benefit obligation | 16 | 9 | (17) | (11) |

The weighted average discount rate used to estimate the accumulated postretirement benefit obligation was 6.75\% at December 31, 1999 and $6.5 \%$ at December 31, 1998.
$N$ ote 11: Accounts Receivable, $N$ et

| ( illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Customers | $\$ 1,285$ | $\$ 642$ |
| Unconsolidated subsidiaries and affiliates | $\mathbf{2 8}$ | 21 |
| Employees | $\mathbf{7}$ | 6 |
| Other | $\mathbf{8 7}$ | 54 |
|  | $\mathbf{1 , 4 0 7}$ | 723 |
| Less allowance for losses | $\mathbf{3 7}$ | $\mathbf{1 2}$ |
| Total | $\mathbf{\$ 1 , 3 7 0}$ | $\$ 711$ |

N ote 12: Inventories

| (M illions of dollars) | 1999 | 1998 |
| :--- | ---: | ---: |
| Finished products and work in process | $\$ 707$ | $\$ 330$ |
| Raw materials | $\mathbf{1 5 4}$ | 48 |
| Supplies | $\mathbf{3 8}$ | 49 |
| Total | $\$ 899$ | $\$ 427$ |

Inventories amounting to $\$ 483$ million and $\$ 391$ million were valued using the LIFO method at December 31, 1999 and 1998, respectively. The excess of current cost over the stated amount for inventories valued under the LIFO method approximated $\$ 86$ million and $\$ 77$ million at December 31, 1999 and 1998, respectively. Liquidation of prior years' LIFO inventory layers in 1999, 1998 and 1997 did not materially affect cost of goods sold in any of these years.

In 1999 approximately $\$ 15$ million was charged to cost of sales as a result of an increase to fair market value of FIFO inventories associated with 1999 acquisitions.

Note 13: Prepaid Expenses and 0 ther Assets

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Prepaid expenses | $\mathbf{\$ 5 7}$ | $\$ 29$ |
| Deferred tax benefits | $\mathbf{8 1}$ | 94 |
| Other current assets | $\mathbf{3 3}$ | 10 |
| Total | $\mathbf{\$ 1 7 1}$ | $\$ 133$ |

N ote 14: Land, Buildings and Equipment, N et

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | $\mathbf{1 9 9 8}$ |
| :--- | ---: | ---: |
| Land | $\mathbf{\$ 2 0 0}$ | $\$ 44$ |
| Buildings and improvements | $\mathbf{1 , 3 5 7}$ | 813 |
| Machinery and equipment | $\mathbf{4 , 3 5 4}$ | 3,276 |
| Capitalized interest | $\mathbf{2 4 0}$ | 229 |
| Construction | $\mathbf{1 9 8}$ | 109 |
|  | $\mathbf{6 , 3 4 9}$ | 4,471 |
| Less: accumulated depreciation | $\mathbf{2 , 8 5 3}$ | $\mathbf{2 , 5 6 3}$ |
| Total | $\mathbf{\$ 3 , 4 9 6}$ | $\$ 1,908$ |

The principal lives (in years) used in determining depreciation rates of various assets are: buildings and improvements (10-50); machinery and equipment ( $5-20$ ); automobiles, trucks and tank cars (3-10); furniture and fixtures, laboratory equipment and other assets ( $5-10$ ).

Gross book values of assets depreciated by accelerated methods totaled $\$ 999$ million and $\$ 1,011$ million at December 31, 1999 and 1998, respectively. Assets depreciated by the straight-line method totaled $\$ 4,952$ million and $\$ 3,307$ million at December 31, 1999 and 1998, respectively.

In 1999, 1998 and 1997 respectively, interest costs of $\$ 12$ million, $\$ 9$ million and $\$ 12$ million were capitalized and added to the gross book value of land, buildings and equipment. Amortization of such capitalized costs included in depreciation expense was $\$ 15$ million in 1999 and 1998 and $\$ 14$ million in 1997.

Note 15: Goodwill and $O$ ther Intangible Assets, N et

| (M illions of dollars) | Life (years) | $\mathbf{1 9 9 9}$ | $\mathbf{1 9 9 8}$ |
| :--- | :---: | ---: | ---: |
| Goodwill | 40 | $\mathbf{\$ 2 , 1 2 9}$ | $\$ 92$ |
| Customer lists | 40 | $\mathbf{1 , 1 6 3}$ | - |
| Tradenames | 40 | $\mathbf{7 3 9}$ | - |
| Developed technology | 13 to 18 | $\mathbf{3 8 1}$ | - |
| Workforce | 11 to 16.5 | $\mathbf{1 5 0}$ | - |
| Other |  | $\mathbf{6 5}$ | 55 |
|  |  | $\mathbf{4 , 6 2 7}$ | 147 |
| Less: accumulated amortization |  | $\mathbf{1 4 5}$ | 55 |
| Total |  |  | $\$ 92$ |

Goodwill and other intangible assets are primarily related to the acquisition of Morton in 1999. See Note 1.

Amortization expense for goodwill and other intangibles was $\$ 83$ million, $\$ 5$ million and $\$ 6$ million for 1999, 1998 and 1997, respectively. All intangibles are amortized on a straightline basis.

## N ote 16: O ther Assets

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Prepaid pension cost (see Note 9) | $\$ 317$ | $\$ 146$ |
| Rabbi trust assets (see Note 9) | $\mathbf{6 8}$ | 30 |
| Assets held for disposal | $\mathbf{5 4}$ | - |
| Deferred tax benefits (see Note 7) | $\mathbf{6}$ | 10 |
| Other noncurrent assets | $\mathbf{5 4}$ | 33 |
| Total | $\$ 499$ | $\$ 219$ |

## N ote 17: N otes Payable

| (M illions of dollars) | 1999 | 1998 |
| :--- | ---: | ---: |
| Short-term borrowings | $\$ 827$ | $\$ 167$ |
| Current portion on long-term debt | $\mathbf{1 0 4}$ | 5 |
| Total | $\$ 931$ | $\$ 172$ |

Short-term borrowings include commercial paper and bank debt owed by foreign subsidiaries. The weighted-average interest rate of short-term borrowings was 6.3\% and 6.5\% at December 31, 1999 and 1998, respectively.

At December 31, 1999, the company has revolving credit agreements totaling $\$ 2$ billion, of which $\$ 1.5$ billion expire in 2000 and $\$ 500$ million in 2004. These agreements, which carry various interest rates and fees, are available to support commercial paper borrowings. Of the total commercial
paper outstanding, $\$ 500$ million is classified as long-term since it is supported by the company's revolving credit agreements expiring in 2004. Several credit agreements permit foreign subsidiaries to borrow local currencies. At December 31, 1999 and 1998, $\$ 222$ million and $\$ 74$ million, respectively, was outstanding under these agreements.

Note 18: Long-Term Debt

| (M illions of dollars) | 1999 | 1998 |
| :---: | :---: | :---: |
| 7.85\% debentures due 2029 | \$1,000 | \$ - |
| 6.95\% notes due 2004 | 500 | - |
| 7.40\% notes due 2009 | 500 | - |
| Long-term commercial paper borrowings | 500 | - |
| 9.34\% credit sensitive debentures due 2020 | 244 | - |
| 9.80\% notes due 2020 | 135 | 135 |
| 9.875\% notes due 2000 | - | 100 |
| 6.63\% obligation due through 2012 ( callable 2000 at 104.4\%) | 46 | 46 |
| 1.55\% note due 2003 yen denominated | 40 | 44 |
| 9.50\% notes due 2021 (callable 2002 at 104.8\%) | 38 | 38 |
| 9.375\% debentures due 2019 (callable 1999 at 104.7\%) | - | 22 |
| Other | 119 | 24 |
| Total | \$3,122 | \$409 |

On July 6, 1999, the company issued $\$ 2$ billion of long-term debt, refinancing a portion of the commercial paper borrowings used as initial financing for the Morton and LeaRonal acquisitions. These debt securities include $\$ 500$ million of five-year $6.95 \%$ notes, $\$ 500$ million of ten-year $7.40 \%$ notes and $\$ 1$ billion of thirty-year $7.85 \%$ debentures. Each series of securities will mature on July 15 of its respective year of maturity with interest payable semiannually on January 15 and July 15 of each year, beginning January 15, 2000. The securities are senior unsecured obligations of the company and will rank equally with all other senior unsecured indebtedness. The securities contain restrictions similar to the company's other long-term debt which contain certain restrictions with respect to tangible net worth and maintenance of working capital. There are no restrictions on the payment of dividends. In Europe on March 7, 2000, the company issued $€ 400$ million (or $\$ 388$ million) of $6.0 \%$ notes due 2007.

In 1998, the company retired $\$ 130$ million of high interest long-term debt through a tender offer. These debt retirements resulted in an aftertax extraordinary loss of $\$ 13$ million, or $\$ .07$ per share. The $\$ 22$ million $9.375 \%$ debentures were retired in 1999 for an immaterial loss.

Total cash used for the payment of interest expense, net of amounts capitalized, was $\$ 72$ million, $\$ 36$ million and $\$ 40$ million in 1999, 1998 and 1997, respectively.

Long-term debt maturing in the next five years is:

| (M illions of dollars) |  |  |  |
| :--- | ---: | ---: | ---: |
| 2000 | $\$ 104$ | 2003 | $\$ 44$ |
| 2001 | 21 | 2004 | 521 |
| 2002 | 20 |  |  |

## N ote 19: Accounts Payable and Accrued Liabilities

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Trade and other payables | $\$ 599$ | $\$ 264$ |
| Salaries and wages | $\mathbf{2 0 3}$ | 139 |
| Interest | $\mathbf{1 0 5}$ | 10 |
| Reserve for restructuring (see Note 4) | $\mathbf{7 3}$ | - |
| Taxes, other than income taxes | $\mathbf{8 1}$ | 29 |
| Accrued acquisition costs | $\mathbf{5 7}$ | - |
| Employee benefits | $\mathbf{4 4}$ | 25 |
| Reserves for environmental remediation |  |  |
| $\quad$ (see Note 24) | $\mathbf{3 9}$ | 45 |
| Sales incentive programs and other selling accruals | $\mathbf{6 8}$ | 55 |
| Other | $\mathbf{1 3 8}$ | 86 |
| Total | $\mathbf{\$ 1 , 4 0 7}$ | $\$ 653$ |

N ote 20: O ther Liabilities

| (M illions of dollars) | $\mathbf{1 9 9 9}$ | 1998 |
| :--- | ---: | ---: |
| Reserves for environmental remediation |  |  |
| $\quad$ (see Note 24) | $\mathbf{\$ 1 6 2}$ | $\$ 86$ |
| Deferred revenue on supply contracts | $\mathbf{4 9}$ | 56 |
| Other | $\mathbf{7 8}$ | $\mathbf{4 2}$ |
| Total | $\mathbf{\$ 2 8 9}$ | $\$ 184$ |

## N ote 21: Stockholders' Equity

Dividends paid on ESOP shares, used as a source of funds for meeting the ESOP financing obligation, were $\$ 13$ million in 1999 and $\$ 12$ million in 1998. These dividends were recorded net of the related U.S. tax benefits. The number of ESOP shares not allocated to plan members at December 31, 1999 and 1998 were 12.9 million and 13.5 million, respectively.

The company recorded compensation expense of $\$ 6$ million in 1999, 1998 and 1997 for ESO P shares allocated to plan members. The company expects to record annual compensation expense at approximately this level over the next 21 years as the remaining $\$ 125$ million of ESOP shares are allocated. The allocation of shares from the ESOP is expected to fund a substantial portion of the company's future obligation to match employees savings plan contributions as the market price of Rohm and H aas stock appreciates.

The company repurchased an insignificant number of shares in 1999. During 1998 the company repurchased 17,459,435 shares of its common stock at a total cost of $\$ 567$ million and $7,653,453$ shares in 1997 at a cost of $\$ 216$ million. Most of the shares obtained in 1998 were through an accelerated stock repurchase program with a third party. Under the terms of this program, the final cost to the company of $\$ 440$ million ( $\$ 62$ million paid in 1999) reflected the average share price paid by the third party in the market over an extended trading period.

In 1999, the company redeemed its $\$ 2.75$ cumulative convertible preferred stock under the terms of the issue.

The reconciliation from basic to diluted earnings per share is asfollows:

|  | Earnings (Numerator) | Shares (Denominator) | Per-Share Amount |
| :---: | :---: | :---: | :---: |
| 1999 |  |  |  |
| Net earnings available to common shareholders | \$247 | 192,586 | \$1.28 |
| Effect of convertible preferred stock | 2 | - |  |
| Effect of accelerated stock repurchase program | - | 1,316 |  |
| Dilutive effect of options | - | 1,819 |  |
| Diluted earnings per share | \$249 | 195,721 | \$1.27 |
| 1998 |  |  |  |
| Net earnings available to common shareholders | \$434 | 175,591 | \$2.47 |
| Effect of convertible preferred stock | 6 | 3,417 |  |
| Dilutive effect of options | - | 693 |  |
| Diluted earnings per share | \$440 | 179,701 | \$2.45 |
| 1997 |  |  |  |
| Net earnings available to common shareholders | \$403 | 185,808 | \$2.17 |
| Effect of convertible preferred stock | 7 | 5,913 |  |
| Dilutive effect of options | - | 717 |  |
| Diluted earnings per share | \$410 | 192,438 | \$2.13 |

## N ote 22: Stock Compensation Plans

As permitted under SFAS No. 123, "Accounting for StockBased Compensation," the Company continues to apply the provisions of APB Opinion No. 25. Accordingly, no compensation expense has been recognized for the fixed stock option plans. For restricted stock awards, compensation expense equal to the fair value of the stock on the date of the grant is recognized over the five-year vesting period. Total compensation expense for restricted stock was $\$ 1$ million, $\$ 3$ million and $\$ 1$ million in 1999, 1998 and 1997, respectively. Had compensation expense for the company's fixed stock option plans been determined in accordance with SFAS

No. 123, the company's net earnings would have been reduced to $\$ 146$ million in 1999, $\$ 437$ million in 1998, and $\$ 407$ million in 1997. Diluted earnings per common share would have been reduced to $\$ .75, \$ 2.43$, and $\$ 2.12$ in 1999, 1998 and 1997, respectively.

## 1999 Stock Plan

Under this plan, the company may grant as options or restricted stock up to 8 million shares of common stock with no more than 1 million of these shares granted to any employee as options over a five-year period. Awards under this plan may be granted only to employees of the company. Options granted under this plan in 1999 and early 2000 were granted at the fair market value on the date of grant and generally vest over three years expiring within 10 years of the grant date.

## Non-Employee Directors' Stock Plan of 1997

Under the 1997 Non-Employee Directors Stock Plan, directors receive half of their annual retainer in deferred stock. Each share of deferred stock represents the right to receive one share of company common stock upon leaving the board. Directors may also elect to defer all or part of their cash compensation into deferred stock. Annual compensation expense is recorded equal to the number of deferred stock shares awarded multiplied by the market value of the company's common stock on the date of award. Additionally, directors receive dividend equivalents on each share of deferred stock, payable in deferred stock, equal to the dividend paid on a share of common stock.

## Restricted Stock Plan of 1992

Under this plan, executives were paid some or all of their bonuses in shares of restricted stock instead of cash. Most shares vest after five years. The plan covers an aggregate 450,000 shares of common stock. Shares of restricted stock issued in 1999 totaled 73,105 at a weighted-average grant-date fair value of $\$ 31$ per share. In 1998 and 1997, 74,106 and 93,714 shares of restricted stock were granted at a weightedaverage grant-date fair values of $\$ 34$ and $\$ 28$ per share, respectively.

## Fixed Stock Option Plans

The company has granted stock options to key employees under its Stock Option Plans of 1984 and 1992. Options granted pursuant to the plans are priced at the fair market value of the common stock on the date of the grant. Options vest after one year and most expire 10 years from the date of grant. The Stock Option Plan of 1992, as amended in 1994, limits the number of options that can be granted to any one individual within a five-year period to 300,000 shares.

The status of the company's stock options as of December 31 is presented below:

|  | 1999 |  | 1998 |  | 1997 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Shares } \\ & (000) \end{aligned}$ | Weighted <br> Average <br> Exercise <br> Price | $\begin{aligned} & \text { Shares } \\ & (000) \end{aligned}$ | Weighted <br> Average <br> Exercise <br> Price | $\begin{aligned} & \text { Shares } \\ & (000) \end{aligned}$ | Weighted <br> Average <br> Exercise <br> Price |
| Outstanding at beginning of year | 2,417 | \$23.58 | 2,394 | \$20.63 | 2,283 | \$17.49 |
| Granted | 6,545 | 22.26 | 471 | 31.51 | 600 | 27.42 |
| Canceled | (709) | 18.26 | (10) | 31.49 | - | - |
| Exercised | $(2,834)$ | 18.65 | (438) | 15.80 | (489) | 14.31 |
| Outstanding at end of year | 5,419 | 25.26 | $\underline{2,417}$ | 23.58 | 2,394 | 20.63 |
| Options exercisable at year end | 4,993 | 25.14 | 1,956 | 21.71 | 1,809 | 18.44 |
| Weighted-average fair value of options granted during the year |  | \$24.38 |  | \$ 8.40 |  | \$ 7.26 |

Options activity in 1999 increased compared to 1998 as a result of acquistions.

The Black-Scholes option pricing model was used to estimate the fair value for each grant made under the Rohm and Haas plan during the year. The following are the weightedaverage assumptions used for all shares granted in the years indicated:

|  | $\mathbf{1 9 9 9}$ | $\mathbf{1 9 9 8}$ |
| :--- | :---: | :---: |
| Dividend yield | $\mathbf{2 . 2 9 \%}$ | $2.52 \%$ |
| Volatility | $\mathbf{3 1 . 4 6}$ | 25.07 |
| Risk-free interest rate | $\mathbf{4 . 9 9}$ | 5.52 |
| Time to exercise | $\mathbf{6}$ years | 6 years |

The following table summarizes information about stock options outstanding and exercisable at December 31, 1999:

|  | Options O utstanding |  |  | Options Exercisable |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Range <br> of <br> Exercise <br> Prices | Number <br> Outstanding <br> (000s) | Weighted- <br> Average <br> Remaining <br> Life | Weighted- <br> Average <br> Exercise <br> Price | Number <br> Exercisable <br> (000s) | Weighted- <br> Average <br> Exercise <br> Price |
| $\$ 11$ to $\$ 15$ | 323 | 1.6 years | $\$ 12.22$ | 323 | $\$ 12.22$ |
| 18 to 22 | 1,621 | 5.3 | 20.18 | 1,621 | 20.18 |
| 25 to 45 | $\mathbf{3 , 4 7 5}$ | 8.0 | 28.84 | $\underline{3,049}$ | 28.33 |
|  | $\underline{5,419}$ |  |  | $\underline{4,993}$ |  |

N ote 23: Leases
The company leases certain properties and equipment used in its operations, primarily under operating leases. Most lease agreements require minimum lease payments plus a contingent rental based on equipment usage and escalation factors. Total net rental expense incurred under operating leases amounted to $\$ 79$ million in 1999, $\$ 57$ million in 1998 and $\$ 62$ million in 1997.

Total future minimum lease payments under the terms of non-cancellable operating leases are as follows:

| (M illions of dollars) |  |  |  |
| :--- | ---: | :--- | ---: |
| 2000 | $\$ 51$ | 2003 | $\$ 27$ |
| 2001 | 44 | 2004 | 21 |
| 2002 | 39 | Thereafter | 344 |

## N ote 24: Contingent Liabilities, Guarantees and Commitments

There is a risk of environmental damage in chemical manufacturing operations. The company's environmental policies and practices are designed to ensure compliance with existing laws and regulations and to minimize the possibility of significant environmental damage. Following the 1999 acquisitions of Morton and LeaRonal, the company began a process at acquired facilities to ensure company-wide uniformity in such policies and practices.

The laws and regulations under which the company operates require significant expenditures for remediation, capital improvements and the operation of environmental protection equipment. Future developments and even more stringent environmental regulations may require the company to make additional unforeseen environmental expenditures. The company's major competitors are confronted by substantially similar environmental risks and regulations.

The company is a party in various government enforcement and private actions associated with former waste disposal sites, many of which are on the U.S. Environmental Protection Agency's(EPA) Superfund priority list and has been named a potentially responsible party at approximately 140 inactive waste sites where remediation costs have been or may be incurred under the Federal Comprehensive Environmental Response, Compensation and Liability Act and similar state statutes. In some of these cases the company may also be held responsible for alleged personal injury or property damage. The company has provided for future costs at certain of these sites.

The company is also involved in corrective actions at some of its manufacturing facilities. The company considers a broad range of information when determining the amount of its remediation accruals, including available facts about the waste site, existing and proposed remediation technology and the range of costs of applying those technologies, prior experience, government proposals for this or similar sites, the liability of other parties, the ability of other principally responsible parties to pay costs apportioned to them and current laws and regulations. These accruals are updated quarterly as additional technical and legal information becomes available; however, at certain sites, the company is unable, due to a variety of factors, to assess and quantify the ultimate extent of its responsibility for study and remediation costs. Major sites for which reserves have been provided are the non-company-owned Lipari, Woodland and Kramer sites in New Jersey, and Whitmoyer in Pennsylvania and companyowned sites in Bristol and Philadelphia, Pennsylvania and Houston, Texas. The Morton acquisition introduced two major sites: Moss Point, Mississippi and Wood-Ridge, New Jersey.
In Wood-Ridge the company and Velsicol Chemical Corporation ("Velsicol") have been held jointly and severally liable for the cost of remediation necessary to correct mer-cury-related environmental problems associated with a former mercury processing plant. At the date of acquistion Morton had disclosed and accrued for certain ongoing studies, which were expected to be completed by the end of 2000, with regulatory decisions expected in 2001. In allocating the purchase price of Morton, the company accrued for additional study costs at December 31, 1999. Based on the progress of the technical studies, the company expects to develop a range of estimated liabilities in 2000 and revise the allocation of the M orton purchase price; however, final determination of the liability will not be made until regulatory decisions permit such determination. A separate study of the contamination in BerrysCreek, which runs near the plant site, and of the surrounding wetlands area is expected, but on a timetable yet to be determined; therefore, the results of this separate study will not be considered in the allocation of the M orton purchase price. The company's ultimate exposure will also depend upon the continued ability of Velsicol and its indemnitor, Fruit of the Loom, Inc., which has filed for protection under the bankruptcy laws, to contribute to the cost of remediation and on the results of attempts to obtain contributions from others believed to share responsibility. A cost recovery action against other responsible parties
is pending in federal court. Settlements have been reached with those defendants considered de minimis for claims associated with the Wood-Ridge plant site. Where appropriate, the analysis to determine the company's liability, if any, with respect to remedial costs at the above sites reflects an assessment of the likelihood and extent of participation of other potentially responsible parties.

During 1996, the EPA notified Morton of possible irregularities in water discharge monitoring reportsfiled by the Moss Point, Mississippi plant in early 1995. Morton retained an outside law firm to investigate. Other environmental issues at the plant were identified, and the investigation was expanded to address these additional issues. The company has been provided a copy of a draft multi-count civil complaint and was served with subpoenas and a request for information seeking documents related to environmental compliance at M oss Point and other Morton manufacturing sites. The company engaged in negotiations with the EPA, the Department of Justice (DOJ) and the State of Mississippi seeking resolution of these civil issues. The company also engaged in related negotiations with the DOJ concerning potential criminal sanctions against the M oss Point plant. Though at the date of acquisition some remediation and legal costs had been accrued for, the company revised these accruals, as part of the allocation of the purchase price of M orton, based on the status of its discussions with the authorities and on the information available as of December 31, 1999. As a result of the issues that began with Moss Point, the company may be exposed to material fines, penalties, and remedial expenses, but is unable to quantify the ultimate exposure.

The amount charged to earnings before tax for environmental remediation was $\$ 4$ million in 1999, $\$ 10$ million in 1998 and $\$ 46$ million in 1997. The 1997 expense includes a $\$ 20$ million charge resulting from an unfavorable arbitration decision relating to the Woodlands sites; however, reflected in the 1999 charge is a favorable adjustment of $\$ 11$ million resulting from formal approval received in 1999 of a less costly remediation method.

The reser ves for remediation were $\$ 201$ million and $\$ 131$ million at December 31, 1999 and 1998, respectively, and are recorded as "other liabilities" (current and long-term). The company is pursuing lawsuits over insurance coverage for environmental liabilities. It is the company's practice to reflect environmental insurance recoveries in results of
operations for the quarter in which the litigation is resolved through settlement or other appropriate legal process. Resolutions typically resolve coverage for both past and future environmental spending. The company settled with several of its insurance carriers in 1999 for a total of $\$ 28$ million, which resulted in after-tax income of approximately $\$ 17$ million. These settlements were recognized as income in 1999 and there were no insurance recoveries receivable at December 31, 1999. Insurance recoveries receivable, included in accounts receivable, net, were $\$ 2$ million at December 31, 1998.

In addition to accrued environmental liabilities, the company has reasonably possible loss contingencies related to environmental matters of approximately $\$ 110$ million and $\$ 65$ million at December 31, 1999 and 1998, respectively. Further, the company has identified other sites, including its larger manufacturing facilities, where additional future environmental remediation may be required, but these loss contingencies are not reasonably estimable at this time. These matters involve significant unresolved issues, including the number of parties found liable at each site and their ability to pay, the outcome of negotiations with regulatory authorities, the alternative methods of remediation and the range of costs associated with those alternatives. The company believes that these matters, when ultimately resolved, which may be over an extended period of time, will not have a material adverse effect on the consolidated financial position or consolidated cash flows of the company, but could have a material adverse effect on consolidated results of operations or cash flows in any given quarter.

Capital spending for new environmental protection equipment was $\$ 30$ million in 1999 versus $\$ 17$ million in 1998. Spending for 2000 and 2001 is expected to be approximately $\$ 29$ million and $\$ 17$ million, respectively. Capital expenditures in this category include projects whose primary purposes are pollution control and safety, as well as environmental aspects of projects in other categories that are intended primarily to improve operations or increase plant efficiency. The company expects future capital spending for environmental protection equipment to be consistent with prior-year spending patterns. Capital spending does not include the cost of environmental remediation of waste disposal sites.

Cash expenditures for waste disposal site remediation were $\$ 27$ million in 1999, $\$ 26$ million in 1998 and $\$ 37$ million in 1997. The expenditures for remediation are charged against
accrued remediation reser ves. The cost of operating and maintaining environmental facilities was $\$ 107$ million, $\$ 94$ million and $\$ 95$ million in 1999, 1998 and 1997, respectively, and was charged against current-year earnings.
There are pending lawsuits filed against M orton related to asbestos exposure at a facility in Weeks Island, Louisiana with additional lawsuits expected. The company expects that most of these cases will be dismissed because they are barred under worker's compensation laws; but cases involving asbestos-caused malignancies will not be barred under Louisiana law. Subsequent to the acquisition, the company commissioned medical studies to estimate possible future claim. No accruals were recorded as of December 31, 1999 because the company was unable to quantify its potential exposure.

The company had been the subject of an investigation by U.S. Customs into the labeling of some products imported into the U.S. from some of the company's non-U.S. locations. In 1999 the company reached a tentative settlement and agreed to pay $\$ 3$ million subject to further government approval. Such approval remains pending as of December 31, 1999. This non-tax deductible tentative settlement was charged to "other income (expense), net" in 1999. In 1998, subsequent to the sale of the AtoH aas joint venture, the buyer asserted a claim against the company related to the value of certain joint venture assets. In 1999 the company settled this matter for approximately $\$ 22$ million ( $\$ 14$ million, after-tax).

In addition, the company and its subsidiaries are parties to litigation arising out of the ordinary conduct of its business. Recognizing the amounts reserved for such items and the uncertainty of the ultimate outcomes, it is the company's opinion that the resolution of all pending lawsuits, investigations and claims will not have a material adverse effect, individually or in the aggregate, upon the results of operations and the consolidated financial position of the company.
In the ordinary course of business, the company has entered into certain purchase commitments, has guaranteed certain loans ( with recourse to the issuer), and has made certain financial guarantees, primarily for the benefit of its non-U.S. and unconsolidated subsidiaries and affiliates. It is believed that these commitments and any liabilities which may result from these guarantees will not have a material adverse effect upon the consolidated financial position of the company.

At December 31, 1999, construction commitments totaled approximately $\$ 65$ million.

N ote 25: Q uarterly Results of $O$ perations (Unaudited)
1999 Q uarterly Results

| (M illions of dollars) | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Year 1999 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Net sales | $\$ 940$ | $\$ 1,144$ | $\$ 1,577$ | $\$ 1,678$ | $\mathbf{\$ 5 , 3 3 9}$ |
| Gross profit | 382 | 449 | 550 | 584 | $\mathbf{1 , 9 6 5}$ |
| Earnings (loss) before extraordinary item | 110 | $(9)$ | 58 | 90 | $\mathbf{2 4 9}$ |
| Net earnings | 110 | $(9)$ | 58 | 90 | $\mathbf{2 4 9}$ |

Earnings(loss) per common share before extraordinary item, in dollars

| -Basic | $\$ .65$ | $\$(0.06)$ | $\$$ | .27 | $\$$ | .41 | $\$ 1.28$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| -Diluted | .64 | $(0.06)$ |  | .26 |  | .41 | 1.27 |
| earnings (loss) per common share, in dollars |  |  |  |  |  |  |  |
| -Basic | $\$ .65$ | $\$(0.06)$ | $\$$ | .27 | $\$$ | .41 | $\$ 1.28$ |
| -Diluted | .64 | $(0.06)$ |  | .26 |  | .41 | 1.27 |
| sh dividends per common share, in dollars | $\$ .18$ | $\$ .18$ | $\$$ | .19 | $\$$ | .19 | $\$ 0.74$ |

1998 Q uarterly Results

| (M illions of dollars) | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Year 1998 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Net sales | $\$ 937$ | $\$ 990$ | $\$ 909$ | $\$ 884$ | $\$ 3,720$ |
| Gross profit | 373 | 406 | 345 | 340 | 1,464 |
| Earnings before extraordinary item | 109 | 180 | 89 | 75 | 453 |
| Net earnings | 109 | 170 | 86 | 75 | 440 |

Earnings per common share before
extraordinary item, in dollars

| -Basic | $\$ .59$ | $\$$ | .98 | $\$$ | .51 |  | $\$ 44$ | $\$ 2.55$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| -Diluted | .58 |  | .96 |  | .50 |  | .44 | 2.52 |
| earnings per common share, in dollars |  |  |  |  |  |  |  |  |
| -Basic | $\$ .59$ | $\$$ | .93 | $\$$ | .49 |  | $\$ 4$ | $\$ 2.47$ |
| -Diluted | .58 | .91 |  | .48 |  | .44 | 2.45 |  |
| ch dividends per common share, in dollars | $\$ .17$ | $\$$ | .17 | $\$$ | .18 | $\$$ | .18 | $\$ .70$ |

1997 Q uarterly Results

| (M illions of dollars) | 1st Quarter | 2nd Quarter | 3rd Quarter | 4th Quarter | Year 1997 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Net sales | $\$ 986$ | $\$ 1,089$ | $\$ 974$ | $\$ 95$ | $\$ 3,999$ |
| Gross profit | 361 | 401 | 342 | 351 | 1,455 |
| Net earnings | 104 | 117 | 91 | 98 | 410 |
| Net earnings per common share, in dollars |  |  |  |  |  |
| $\quad$-Basic | $\$ .54$ | $\$ .62$ | $\$ .48$ | $\$ .53$ | $\$ 2.17$ |
| $\quad$-Diluted | .53 | .61 | .48 | .52 | 2.13 |
| Cash dividends per common share, in dollars | $\$ .15$ | $\$ .15$ | $\$ .16$ | $\$ .17$ | $\$ .63$ |

Reconciliation of Earnings as Reported to Earnings Excluding Non-recurring Items (in millions)

|  | 1st Quarter |  | 2nd Quarter |  | 3rd Quarter |  | 4th Quarter |  | Year |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 |
| Earnings as reported | \$110 | \$109 | \$ (9) | \$170 | \$58 | \$86 | \$ 90 | \$75 | \$249 | \$440 |
| IPR\&D and other acquisition-related charges | - | - | 105 | - | 7 | - | 3 | - | 115 | - |
| Joint venture dispositions | - | - | 14 | (76) | - | - | - | - | 14 | (76) |
| Remediation-related insurance settlements | (13) | - | - | - | - | - | (4) | - | (17) | - |
| Provision for restructuring | - | - | - | - | 19 | - | 4 | - | 23 | - |
| Asset write-downs, integration and other costs | 7 | - | 6 | 18 | 5 | - | 8 | - | 26 | 18 |
| Early retirements of debt | - | - | - | 10 | - | 3 | - | - | - | 13 |


| Earnings, excluding <br> non-recurring items | $\$ 104$ | $\$ 109$ | $\$ 116$ | $\$ 122$ | $\$ 89$ | $\$ 89$ | $\$ 101$ | $\$ 75$ | $\$ 410$ | $\$ 395$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Report on Financial Statements

The financial statements of Rohm and H was Company and subsidiaries were prepared by the company in accordance with generally accepted accounting principles. The financial statements necessarily include some amounts that are based on the best estimates and judgments of the company. The financial information in this annual report is consistent with that in the financial statements.

The company maintains accounting systems and internal accounting controls designed to provide reasonable assurance that assets are safeguarded, transactions are executed in accordance with the company's authorization and transactions are properly recorded. The accounting systems and internal accounting controls are supported by written policies and procedures, by the selection and training of qualified personnel and by an internal audit program. In addition, the company's code of business conduct requires employees to discharge their responsibilities in conformity with the law and with a high standard of business conduct.
The company's financial statements have been audited by PricewaterhouseCoopers LLP, independent auditors, as stated in their report below. Their audit was conducted in accordance with generally accepted auditing standards and included a review of internal accounting controls to the extent considered necessary to determine the audit procedures required to support their opinion.

The audit committee of the board of directors, composed entirely of non-employee directors, recommends to the board of directors the selection of the company's independent auditors, approves their fees and considers the scope of their audits, audit results, the adequacy of the company's internal accounting control systems and compliance with the company's code of business conduct.


Rajiv L. Gupta
Chairman of the Board and Chief Executive Officer


Senior Vice President and Chief Financial Officer

## Report of Independent Accountants

## PricewaterhouseC coopers LLP

Thirty South Seventeenth Street Philadelphia, PA 19103-4094
Telephone (215) 5755000
To the Board of Directors and
Stockholders of Rohm and Haas Company
In our opinion, the accompanying consolidated balance sheets and the related statements of consolidated earnings, stockholders' equity and cash flows present fairly, in all material respects, the financial position of Rohm and Haas Company and its subsidiaries at December 31, 1999 and 1998, and the results of their operations and their cash flows for each of the two years in the period ended December 31, 1999, in conformity with accounting principles generally accepted in the United States. These financial statements are the responsibility of the Company's management; our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits of these statements in accordance with auditing standards generally accepted in the United States, which require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for the opinion expressed above. The financial statements of Rohm and Haas Company for the year ended December 31, 1997 were audited by other independent accountants whose report dated February 23, 1998 expressed an unqualified opinion on those statements.


## Eleven-Year Summary of Selected Financial Data (Unaudited)

| (M illions of dollars, except per-share amounts) |  | 1999 |  | 1998 |  | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Summary of Operations |  |  |  |  |  |  |
| Net sales | \$ | 5,339 | \$ | 3,720 | \$ | 3,999 |
| Gross profit |  | 1,965 |  | 1,464 |  | 1,455 |
| Earnings before interest and taxes |  | 623 |  | 734 |  | 650 |
| Earnings before income taxes |  | 464 |  | 700 |  | 611 |
| Earnings before extraordinary items and cumulative effect of accounting changes | \$ | 249 | \$ | 453 | \$ | 410 |
| N et earnings (loss) | \$ | 249 | \$ | 440 | \$ | 410 |
| EBITDA ${ }^{(1)}$ | \$ | 1,179 | \$ | 1,015 |  |  |
| As a percent of sales |  |  |  |  |  |  |
| Gross profit |  | 36.8\% |  | 39.4\% |  | 36.4\% |
| Selling and administrative expense |  | 16.4 |  | 17.1 |  | 16.0 |
| Research and development expense |  | 4.4 |  | 5.6 |  | 5.0 |
| Earnings before extraordinary items and cumulative effects |  | 4.7 |  | 12.2 |  | 10.3 |
| Return on assets ${ }^{(2)}$ |  | 4.0\% |  | 12.7\% |  | 11.2\% |
| Return on common stockholders' equity ${ }^{(3)}$ |  | 13.4\% |  | 25.3\% |  | 22.7\% |
| Ten-year compound growth rate |  |  |  |  |  |  |
| Sales |  | 7.2\% |  | 3.9\% |  | 6.1\% |
| Basic earnings per common share before extraordinary items and cumulative effect of accounting changes |  | 3.8 |  | 8.3 |  | 8.6 |
| Cash dividends per common share |  | 6.7 |  | 7.5 |  | 8.2 |
| Wages and salaries | \$ | 919 | \$ | 643 | \$ | 630 |
| Cash Flow Data |  |  |  |  |  |  |
| Cash provided by operating activities | \$ | 816 | \$ | 682 | \$ | 791 |
| Additions to fixed assets |  | 323 |  | 229 |  | 254 |
| Depreciation |  | 368 |  | 276 |  | 279 |
| Cash dividends |  | 141 |  | 125 |  | 121 |
| Free cash flow ${ }^{(4)}$ |  | 352 |  | 328 |  | 416 |
| Share repurchases |  | 65 |  | 567 |  | 216 |
| Investments in joint ventures, affiliates and subsidiaries |  | 3,394 |  | 21 |  | 80 |
| Per Common Share D ata and Other Share Information ${ }^{(5)}$ |  |  |  |  |  |  |
| Net earnings before extraordinary items and cumulative effect of accounting changes: |  |  |  |  |  |  |
| Basic | \$ | 1.28 | \$ | 2.55 | \$ | 2.17 |
| Diluted |  | 1.27 |  | 2.52 |  | 2.13 |
| Cash dividends per common share | \$ | . 74 | \$ | . 70 | \$ | . 63 |
| Common stock price |  |  |  |  |  |  |
| High | \$ | 491/4 | \$ | 387/8 | \$ | 333/4 |
| Low |  | 281/8 |  | 26 |  | 23\%16 |
| Year-end close |  | 4011/16 |  | 301/8 |  | 3115/16 |
| Number of shares repurchased, in thousands |  | 70 |  | 17,459 |  | 7,653 |
| Average number of shares outstanding - basic, in thousands |  | 92,586 |  | 175,591 |  | 85,808 |
| At Year End |  |  |  |  |  |  |
| Gross fixed assets | \$ | 6,349 | \$ | 4,471 | \$ | 4,492 |
| Total assets |  | 11,256 |  | 3,648 |  | 3,900 |
| Total debt |  | 4,053 |  | 581 |  | 606 |
| Stockholders' equity |  | 3,475 |  | 1,561 |  | 1,797 |
| Debt ratio ${ }^{(6)}$ |  | 52\% |  | 25\% |  | 22\% |
| Number of registered common stockholders |  | 9,462 |  | 4,451 |  | 4,352 |
| Number of employees |  | 21,512 |  | 11,265 |  | 11,592 |

(1) Earnings before interest, taxes, depreciation and amortization. For 1999, EBIT DA excludes the IPR\& D charge The company did not calculate this measure prior to 1998.
(2) Net earnings plus after-tax interest expense, divided by year-end total assets. 1999 excludes the IPR \& D charge.
(3) Excluding ESOP adjustment and cumulative effect of accounting changes. 1999 excludes the IPR\& D charge.
(4) Cash provided by operating activities less fixed asset spending and dividends.
(5) 1989 to 1997 earnings per share and share information has been restated to reflect the 1998 threefor-one stock split.
(6) Total debt, net of cash, divided by the sum of net debt, min ority interest, stockholders' equity and ESOP shares.

See accompanying notes on page 64.
See 1999, 1998 and 1997 results in Management Discussion and Analysis on pages 26 to 38 .

|  | 1996 |  | 1995 |  | 1994 |  | 1993 |  | 1992 |  | 1991 |  | 1990 |  | 1989 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 3,982 | \$ | 3,884 |  |  |  |  |  |  | \$ | 2,763 | \$ | 2,824 | \$ | 2,661 |
|  | 1,395 |  | 1,333 |  |  |  |  |  |  | 902 |  | 930 |  | 841 |
|  | 569 |  | 480 |  |  |  |  |  | 288 |  |  | 350 |  | 290 |
|  | 530 |  | 441 |  |  |  |  |  |  |  | 240 |  | 313 |  | 251 |
| \$ | 363 | \$ | 292 |  |  |  |  |  |  |  | \$ | 163 | \$ | \$ 207$\$ \quad 207$ | \$ | 176176 |
| \$ | 363 |  | \$ 292 | \$ |  |  |  |  |  |  |  |  | \$ |  | 163 |  | \$ | \$ |
|  | 35.0\% |  | 34.3\% |  | 35.9\% |  | 33.5\% |  |  |  | 34.2\% |  | 32.6\% |  | 32.9\% |  | 31.6\% |
|  | 15.8 |  | 15.9 |  | 16.7 |  | 18.0 |  |  |  | 17.9 |  | 17.0 |  | 16.1 |  | 15.1 |
|  | 4.7 |  | 5.0 |  | 5.7 |  | 6.3 |  |  |  | 6.5 |  | 6.6 |  | 6.3 |  | 6.6 |
|  | 9.1 |  | 7.5 |  | 7.5 |  | 3.9 |  | 5.7 |  |  | 5.9 |  | 7.3 |  | 6.6 |
|  | 9.9\% |  | 8.1\% |  | 7.6\% |  | 4.3\% |  | 6.1\% |  | 6.8\% |  | 8.6\% |  | 8.3\% |  |
|  | 20.1\% |  | 16.6\% |  | 16.5\% |  | 8.1\% |  | 11.4\% |  | 11.2\% |  | 15.2\% |  | 14.0\% |  |
|  | 6.8\% |  | 6.6\% |  | 5.6\% |  | $5.7 \%$ |  | 5.3\% |  | 3.9\% |  | 5.1\% |  | 5.3\% |  |
|  | 10.5 |  | 7.7 |  | 5.4 |  | (0.9) |  | 8.6 |  | 7.4 |  | 9.9 |  | 7.1 |  |
|  | 8.2 |  | 8.3 |  | 9.1 |  | 10.5 |  | 10.5 |  | 11.2 |  | 13.0 |  | 14.9 |  |
| \$ | 627 | \$ | 625 | \$ | 632 | \$ | 616 | \$ | 589 | \$ | 540 | \$ | 520 | \$ | 481 |  |
| \$ |  | \$ | 513 | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  |  |
|  | 334 |  | 417 |  | 339 |  | 382 |  | 283 |  | 265 |  | 412 |  | 385 |  |
|  | 262 |  | 242 |  | 231 |  | 226 |  | 203 |  | 183 |  | 159 |  | 150 |  |
|  | 116 |  | 109 |  | 102 |  | 97 |  | 88 |  | 80 |  | 79 |  | 77 |  |
|  | 256 |  | (13) |  | 83 |  | (121) |  | 30 |  | 12 |  | (155) |  | (153) |  |
|  | 302 |  | 29 |  | 7 |  | - |  | 1 |  | 1 |  | 213 |  | ) |  |
|  | 7 |  | - |  | - |  | - |  | 172 |  | 41 |  | 12 |  | 2 |  |
| \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ | . 88 |  |
|  | 1.79 |  | 1.40 |  | $1.26$ |  | . 58 |  | . 84 |  | . 82 |  | $1.03$ |  | . 88 |  |
| \$ | . 57 | \$ | . 52 | \$ | . 48 | \$ | . 45 | \$ | . 43 | \$ | . 41 | \$ | . 41 | \$ | . 39 |  |
| \$ | $271 / 2$ | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  |  |
|  | 185/16 |  | 161/2 |  | $173 / 4$ |  | 153/4 |  | $141 / 4$ |  | 1015/16 |  | 81/16 |  | $105 / 16$ |  |
|  | 273/16 |  | 217/16 |  | 191/16 |  | 1913/16 |  | $1713 / 16$ |  | $141 / 2$ |  | 1158 |  | 11\%16 |  |
|  | $13,293$ |  | $1,545$ |  | $369$ |  | 21 |  | 54 |  | 48 |  | 19,428 |  | 24 |  |
|  | 196,122 |  | 202,566 |  | 203,121 |  | 202,857 |  | 199,188 |  | 92,309 |  | 98,654 |  | 99,779 |  |
| \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  | \$ |  |  |
|  | 3,933 |  | 3,916 |  | 3,861 |  | 3,524 |  | 3,517 |  | 2,897 |  | 2,702 |  | 2,455 |  |
|  | 707 |  | 696 |  | 786 |  | 773 |  | 800 |  | 753 |  | 679 |  | 531 |  |
|  | 1,728 |  | 1,781 |  | 1,620 |  | 1,441 |  | 1,428 |  | 1,235 |  | 1,137 |  | 1,311 |  |
|  | 26\% |  | 25\% |  | 26\% |  | 31\% |  | 30\% |  | 28\% |  | 32\% |  | 23\% |  |
|  | 4,492 |  | 4,721 |  | 4,907 |  | 5,120 |  | 5,653 |  | 5,796 |  | 6,088 |  | 5,816 |  |
|  | 11,633 |  | 11,670 |  | 12,211 |  | 12,985 |  | 13,619 |  | 12,872 |  | 12,920 |  | 13,040 |  |

## N otes on Eleven-Year Summary

A. In 1999 the company made significant acquisitions the results of which have been included in the consolidated financial statements since the dates the businesses were acquired. Also in 1999, significant non-recurring items totaling $\$ 161$ million after-tax, or $\$ .82$ per share, were incurred including: a $\$ 105$ million write-off of purchased IPR\&D, a restructuring charge, a charge related to 1998 joint venture dispositions and restructuring charges in the Electronic M aterials segment, Electronic Materials segment asset write-downs and other restructuring charges mostly associated with the 48\%-owned Rodel affiliate and gains related to environmental remediation related insurance settlements.
B. Included in 1998 results are a one-time gain of $\$ 45$ million, or $\$ .25$ per share. This net gain affected all segments and regions, except Latin America, and was the net result of the sale of the company's interest in the AtoH aas and RohMax joint ventures, an early extinguishment of debt, the write-off of certain intangible assets in Europe and business realignment costs primarily in Asia.
C. The 1997 earnings include a gain of $\$ 16$ million after tax, or $\$ .09$ per common share, the net result of remediation settlements with insurance carriers during the fourth quarter.
D. The 1996 earnings included a net gain of 2 cents per common share from non-recurring items. This is the net effect of a 5 cent per common share gain related to retroactive tax credits on sales outside of the U nited States and a charge of 3 cents per common share for charges for restructuring operations in Japan, a plant writedown in the

## Shareholder Information

Stock Exchange Listing
Rohm and H aas stock trades on the New York Stock Exchange (NYSE) under the trading symbol ROH.

Transfer A gent and Registrar
EquiServe, L.P.
P.O. Box 8218

Boston, MA 02266-8218
(800) 633-4236
unw.equiserve.com

Annual Meeting
of Stockholders
Rohm and HaasCompany's Annual M eeting of Stockholders will be held on May 1, 2000 at the American Philosophical Society's Ben Franklin Hall, 427 Chestnut Street, Philadelphia, PA at 10:30 a.m. Formal notice of the meeting, the proxy statement and form of proxy will be mailed to current shareholders on March 27, 2000.

U nited States, a gain from a land sale in Japan, and restructuring costs associated with the AtoH aas joint venture in Europe.
E. Results in 1995 were reduced by a charge of 8 cents per common share for additional potential liability related to the cleanup of the Whitmoyer waste site in M yerstown, Pennsylvania.
F. Earnings in 1993 included charges of 16 cents per common share for remediation of property near the Lipari landfill, 8 cents per common share for cancelling construction of a plastics manufacturing facility in England and 9 cents per common share for the writedown of the imidized plastics production line in Kentucky. Results also included a gain of 5 cents per common share for the sale of Supelco, Inc.
G. Effective January 1, 1993, the company adopted a new accounting standard for postemployment benefits. The cumulative effect of the change as of the adoption date was a charge of 9 cents per common share. The impact on 1993 earnings was not material.
H. Results in 1992 included a 19 cents-per-common-share charge for the estimated costs of downsizing a manufacturing site in Philadelphia.
I. Effective January 1, 1992, the company adopted new accounting standards for postretirement benefits and income taxes. The cumulative effect of these accounting changes as of the adoption date was a charge of $\$ .90$ per common share. The impact on 1992 results was an after-tax charge of 4 cents per common share.

## Independent Accountants

PricewaterhouseC oopers LLP
30 South 17th Street
Philadelphia, PA 19103-4094
(215) 575-5000

10-K filing with the SEC
You can obtain a copy of Rohm and H aas's annual report to the U.S. Securities and Exchange Commission (SEC) through:

The SEC EDGAR database at: uww.sec.gov

The Rohm and H aas website: uww.rohmhaas.com

The Rohm and H aas Investors Line at: 1-800-ROH-0466
or by writing to:
Rohm and H aas Company Public Relations Department 100 Independence Mall West Philadelphia, PA 19106-2399
(215) 592-3045


[^0]:    (1) Pro forma results include Morton and LeaRonal as if these 1999 acquisitions had occurred on January 1,1998

    Pro forma earnings exclude non-recurring items.
    (2) N on-recurring items for 1999 include: restructuring charges, write-off of purchased in-process research and development (IPR\&D) related to the Morton acquisition, charges related to 1998 joint venture dispositions, Electronic Materials segment asset write-downs and other restructuring charges mostly associated with the 48\%-owned Rodel affiliate and gains related to environmental remediation related insurance settlements. N onrecurring items for 1998 include: gains on the sale of joint venture interests in A to H aas and RohMax, asset write-downs, business realignment costs, and loss on the early extinguishment of debt.
    (3) Earnings before interest, taxes, depreciation and amortization. For 1999, EBITDA excludes the IPR\&D charge.
    (4) EBITDA and net earnings, excluding non-recurring items, are presented to assist security analysts and others in evaluating the company's performance and its ability to generate cash. EBITDA and net earnings, excluding non-recurring items, should not be considered as alternatives to cash flow from operating activities, as a measure of liquidity or as alternatives to net income as an indicator of the company's operating performance in accordance with generally accepted accounting principles.
    (5) Free cash flow is cash provided by operating activities less fixed asset spending and dividends
    (6) 1999 excludes the IPR\&D charge.
    (7) Stockholders' equity is before reduction for the ESO $P$ transaction.

[^1]:    * assuming the acquisitions completed before the end of 1999 had occurred at the beginning of the year.

[^2]:    - Patrick R.Colau

    Senior Vice President
    Performance Polymers

[^3]:    - W illiam E.Johnston Senior Vice President

[^4]:    * A mounts in this column reflect the impact of the treatment of most severance for U.S. employees. These costs will be paid from the respective pension plans and not from cash, which also will result in pension-related gains being recorded as increases to the pension asset. (SeeN ote 9.)

