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Responsibility for the integrity and objectivity of the financial information presented in this Annual Report rests with IBM management. The accompanying financial statements have been prepared in conformity with generally accepted accounting principles, applying certain estimates and judgments as required.

IBM maintains an effective internal control structure. It consists, in part, of organizational arrangements with clearly defined lines of responsibility and delegation of authority, and comprehensive systems and control procedures. We believe this structure provides reasonable assurance that transactions are executed in accordance with management authorization, and that they are appropriately recorded, in order to permit preparation of financial statements in conformity with generally accepted accounting principles and to adequately safeguard, verify and maintain accountability of assets. An important element of the control environment is an ongoing internal audit program.

To assure the effective administration of internal control, we carefully select and train our employees, develop and disseminate written policies and procedures, provide appropriate communication channels, and foster an environment conducive to the effective functioning of controls. We believe that it is essential for the company to conduct its business affairs in accordance with the highest ethical standards, as set forth in the IBM Business Conduct Guidelines. These guidelines, translated into numerous languages, are distributed to employees throughout the world, and reemphasized through internal programs to assure that they are understood and followed.

PricewaterhouseCoopers LLP, independent accountants, is retained to examine IBM's financial statements. Its accompanying report is based on an examination conducted in accordance with generally accepted auditing standards, including a review of the internal control structure and tests of accounting procedures and records.

The Audit Committee of the Board of Directors is composed solely of outside directors, and is responsible for recommending to the Board the independent accounting firm to be retained for the coming year, subject to stockholder approval. The Audit Committee meets periodically and privately with the independent accountants, with our internal auditors, as well as with IBM management, to review accounting, auditing, internal control structure and financial reporting matters.

Lunter

Louis V. Gerstner, Jr. Chairman of the Board and Chief Executive Officer

John R. Jogram

John R. Joyce Senior Vice President and Chief Financial Officer

# To the Stockholders and Board of Directors of International Business Machines Corporation:

In our opinion, the accompanying consolidated financial statements, appearing on pages 64 through 93, present fairly, in all material respects, the financial position of International Business Machines Corporation and its subsidiaries at December 31, 1999 and 1998, and the results of their operations and their cash flows for each of the three 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.

Princ waterhome Longon LLP

PricewaterhouseCoopers LLP New York, New York January 19, 2000

# Overview of 1999

IBM's financial performance reflects two very different halves of 1999. The company's performance in the first half was strong. The second half was hit hard by Y2K-related issues, as many of its large customers locked down their systems and technology purchases heading into the Y2K transition. Despite the difficult second half, the overall year was a good one for the company. Revenue, net income and earnings per share were at record levels. The company also had good results on a full-year basis in the strategic growth areas of services, software and original equipment manufacturer (OEM) technology.

The company reported revenue of \$87.5 billion and net income of \$7.7 billion which yielded \$4.12 per diluted common share. The results include an after-tax benefit of \$750 million, or \$.40 per diluted common share, for a gain from the sale of the company's Global Network to AT&T, charges for actions intended to improve the long-term competitiveness of the company, a change in personal computer depreciable lives and charges for acquired in-process research and development related to acquisitions.

The company ended 1999 with cash and cash equivalents and marketable securities of \$5.8 billion, after funding investments of approximately \$20 billion in capital expenditures, research and development, strategic acquisitions and repurchases of common stock. The company's debt ratios were well below 1998 levels. The non-global financing debt-to-capital ratio was 9 percent, and the Global Financing business leverage was 5.5 to 1.

## Challenges

The company believes that it has passed the most critical stage of Y2K. However, because it expects the lockdowns to be lifted at different times by different customers during the early part of 2000, the company will feel the lingering effects of Y2K.

Consistent with the fundamental strategy that it put in place several years ago, the company is well positioned to help its customers build integrated e-business solutions. Services, software and OEM technology that are required for this demanding e-business environment will drive the growth in IBM's revenue and earnings. In addition, the company is aggressively pursuing expanding markets. By increasing sales and distribution through ibm.com, the company will continue to build itself into a leading e-business company.

# Forward-looking and Cautionary Statements

Certain statements contained in this Annual Report may constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. These statements involve a number of risks, uncertainties and other factors that could cause actual results to be materially different, as discussed more fully elsewhere in this Annual Report and in the company's filings with the Securities and Exchange Commission, including the company's 1999 Form 10-K to be filed on or about March 13, 2000.

# **Results of Operations**

(Dollars in millions except per share amounts)	1999	1998	1997
Revenue	\$ 87,548	\$ 81,667	\$ 78,508
Cost	55,619	50,795	47,899
Gross profit	31,929	30,872	30,609
Gross profit margin	36.4%	37.8%	<b>39.0</b> %
Total expense	20,172	21,832	21,582
Income before			
income taxes	\$ 11,757	\$ 9,040	\$ 9,027
Net income	\$ 7,712	\$ 6,328	\$ 6,093
Earnings per share of			
common stock-			
assuming dilution	\$ 4.12	\$ 3.29	\$ 3.00
Earnings per share of			
common stock-basic	\$ 4.25	\$ 3.38	\$ 3.09

Revenue in 1999 grew 7.2 percent. Growth in Global Services, personal computers, microelectronics and middleware software products drove the increase, partially offset by lower server revenue.

The following table identifies the company's percentage of revenue by category:

	1999	1998	1997
Hardware	42.3%	<b>43.4</b> %	<b>46.7</b> %
Global Services	36.7	35.4	32.1
Software	14.5	14.5	14.2
Global Financing	3.6	3.5	3.6
Enterprise Investments/Other	2.9	3.2	3.4
Total	100.0%	100.0%	100.0%

The overall gross profit margin of 36.4 percent decreased 1.4 points from 1998, following a 1.2 point decrease in 1998 versus 1997. The company's continued shift in revenue to Global Services primarily drove the decline. Global Services has a lower gross profit margin than the company's server products (S/390, AS/400, RS/6000 and NUMA-Q), which are a declining percentage of total revenue.

Revenue for 1999 from the company's end-user businesses totaled \$38.8 billion from the Americas, an increase of 5.2 percent (7 percent increase in constant currency) from 1998. Revenue from Europe/Middle East/Africa was \$25.7 billion, up 1.8 percent (6 percent increase in constant currency). Asia Pacific revenue increased 19.4 percent (8 percent increase in constant currency) to \$15.2 billion. OEM revenue was \$7.8 billion, a 15.3 percent increase (14 percent increase in constant currency) compared with 1998.

Information about the company's operating segments can be found in note Y, "Segment Information," on pages 89 through 93. This note provides additional information, including a description of the products and services of each segment, as well as financial data pertaining to each segment.

The following discussion is based on the Consolidated Financial Statements on pages 64 through 68, which reflect, in all material respects, the company's segment results on an external basis.

## Hardware

(Dollars in millions)	1999	1998	1997
Revenue	\$ 37,041	\$ 35,419	\$ 36,630
Cost	27,071	24,214	23,473
Gross profit	\$ 9,970	\$ 11,205	\$ 13,157
Gross profit margin	26.9%	<b>31.6</b> %	<b>35.9</b> %

Hardware revenue increased 4.6 percent from 1998, following a decline of 3.3 percent in 1998 versus 1997. Hardware gross profit dollars declined 11.0 percent from 1998, following a decrease of 14.8 percent in 1998 from 1997.

Technology revenue increased 5.9 percent when compared with 1998, following an increase of 7.3 percent in 1998 versus 1997. Strong growth in OEM technology, primarily custom logic and high-performance static random access memory (SRAM) revenue drove the increase in 1999 revenue. A slower growth rate in hard disk drive (HDD) storage revenue in 1999 versus 1998 reflected pricing pressures and a revenue mix away from highend products. Lower revenues from storage tape and direct access storage device (DASD) products, as well as lower networking hardware revenue, partially offset those increases. The networking hardware decreases resulted, in part, from the sale of routing and switching intellectual property (IP) to Cisco Systems, Inc.

The company took actions in 1999 in the microelectronics and storage areas that are aimed directly at strengthening the Technology Group over the long term. Those actions are intended to shift the focus of the Technology Group to higher margin businesses and more efficient operations. (See note R, "1999 Actions," on pages 81 and 82 for additional information.)

Strong growth in HDD storage products, storage tape products and growth in custom logic products drove the revenue increase in 1998 versus 1997. Lower revenue from dynamic random access memory (DRAMs) and DASD sales partially offset this revenue growth.

Personal Systems revenue grew 19.7 percent in 1999 from 1998, following a 10.9 percent decline in 1998 versus 1997. Despite continued pricing pressures, personal computer revenue improved in 1999. Supply shortages of flat-panel displays in the second half of 1999 constrained sales of ThinkPads, although overall ThinkPad revenue was good. Netfinity servers demonstrated strong revenue growth, compared with 1998 levels. The company continues to focus on expanding its direct channel customers; improving its indirect channel efficiency; increasing its attention on fast-growing, small- and mediumsize businesses; and realizing more opportunity in businesses that are tied to the personal computer, including services, software and financing. Server revenue declined 17.9 percent in 1999 from 1998, following a decrease of 5.9 percent in 1998 versus 1997. S/390 revenue declined in 1999 as customers completed the task of making Y2K ready the mainframe computers that they use in data centers to run mission critical, highly integrated enterprisewide applications with large transaction volumes. Once the systems were Y2K tested and ready, customers were not inclined to enhance them because of concerns about affecting their Y2K readiness. AS/400 revenue declined due to a slowdown in sales related to Enterprise Resource Planning (ERP) solutions because of Y2K concerns. RS/6000 revenue declined for SP-2 and entry models, partially offset by the enterprise servers which had strong revenue growth in 1999.

Lower revenue from S/390, AS/400 and RS/6000 drove the 5.9 percent decrease in revenue in 1998 versus 1997. While S/390 revenue declined, total delivery of computing power increased more than 60 percent as measured in MIPS (millions of instructions per second) versus 1997. Product transitions late in 1998 affected the revenue for AS/400 and RS/6000 in 1998 versus 1997.

In January 2000, the Server Group reorganized to become the Enterprise Systems Group and adopted a market-centric alignment to help customers connect and integrate S/390, AS/400, RS/6000, NUMA-Q and Netfinity servers to support a wider variety of applications. The reorganized group will focus on cross-server customer requirements for Web servers, enterprise servers, mid-market servers, and for storage subsystems across all computing environments.

During the year, the company signed major technology contracts with Dell Computer Corporation (for the purchase of personal computer parts from the company over seven years), Acer Incorporated (technology purchase contract over seven years), EMC Corporation (five-year strategic technology and business alliance), Cisco Systems, Inc. (technology purchase over five years) and Nintendo Company, Ltd. (multi-year contract to purchase technology). The total of these contracts could be in excess of \$15 billion.

Hardware gross profit dollars decreased 11.0 percent in 1999 from 1998, following a 14.8 percent decrease in 1998 versus 1997. In 1999, the shift in the company's revenue away from servers, pricing pressures associated with HDDs and memory chip prices drove the declines in gross profit dollars from 1998. A lower model mix in the mobile HDDs (in which some customers are meeting their capacity needs with new mid-range products, rather than with the more profitable high-end mobile products) also had a negative effect on gross profit dollars. The decline in gross profit dollars in 1998 was primarily driven by lower margins associated with significant price reductions in Personal Systems products.

Hardware gross profit margin decreases in 1999 versus 1998 and 1998 versus 1997 continued to be driven by the shift in the company's revenue away from servers to lower gross profit products, such as personal computers, OEM chip technology and HDDs, as well as price pressures.

## **Global Services**

(Dollars in millions)	1999	1998	1997
Revenue	\$ 32,172	\$ 28,916	\$ 25,166
Cost	23,304	21,125	18,464
Gross profit	\$ 8,868	\$ 7,791	\$ 6,702
Gross profit margin	27.6%	<b>26.9</b> %	26.6%

Global Services revenue increased 11.3 percent in 1999 from 1998 and 14.9 percent in 1998 over 1997. Revenue growth in 1999 without the effect of the sale of the company's Global Network to AT&T would have been 13 percent. (See note D, "Acquisitions/Divestitures," on pages 72 and 73 for additional information about this sale.)

While maintenance revenues declined 1 percent, reflecting continued price pressures as customers transitioned to new technologies, services revenue excluding maintenance and the effect of the sale of the Global Network grew 17 percent. Strategic Outsourcing Services was a major contributor to this performance. Strategic Outsourcing Services creates business value through long-term strategic partnerships with customers by taking on responsibility for their processes and systems. Business Innovation Services (formerly Systems Integration and Consulting) and Integrated Technology Services (formerly Product Support Services) performance was strong through the first nine months of 1999 but slowed in the fourth quarter due to the effect of Y2K-related customer lockdowns and a slowdown in Y2K services. Toward the end of the third quarter of 1999, the company started to see a decline in demand for Y2K services and expects the effect of Y2K to linger into 2000 as the need for those services disappears. The company sees growing demand for new services offerings especially in Business Innovation Services, which provides business/industry consulting and end-to-end e-business implementation of offerings like Supply Chain Management, Customer Relationship Management, Enterprise Resource Planning and Business Intelligence. Integrated Technology Services offers customers a single IT partner to manage multi-vendor IT systems complexity in today's e-business environment, including traditional offerings like Product Support Services, Business Recovery Services, Site and Connectivity Services and Systems Management and Networking Services.

e-business spans many of the Global Services offerings and contributed significantly to 1999 performance. e-business services offerings include: e-business strategy and planning; e-commerce services for Web selling, e-payments, e-procurement, security and privacy; e-business enablement services; distributed learning; and hosted business applications such as network-delivered applications, Web hosting and Web infrastructure outsourcing. The company's total discrete e-business services revenue grew 60 percent to over \$3 billion in 1999. Revenue from Web hosting and e-business infrastructure services doubled over 1998 and revenue from supply chain and e-procurement services tripled.

In 1999, the company signed contracts totaling over \$38 billion, including 46 deals in excess of \$100 million with four of those deals in excess of \$1 billion. These deals contributed to a services backlog at December 31, 1999, in excess of \$60 billion compared with \$51 billion at December 31, 1998. In addition to these contracts, the company signed two extensive strategic alliances with Dell Computer Corporation and Cisco Systems, Inc. The company continued to meet the demand for its services by hiring more than 17,000 employees in 1999 and 18,000 employees in 1998.

Gross profit dollars and gross profit margins improved in 1999 over 1998. Significant productivity improvements more than offset competitive pressures and the negative effect of the changing mix of services and maintenance within the Global Services portfolio.

## Software

(Dollars in millions)	1999	1998	1997
Revenue	\$ 12,662	\$ 11,863	\$ 11,164
Cost	2,240	2,260	2,785
Gross profit	\$ 10,422	\$ 9,603	\$ 8,379
Gross profit margin	82.3%	80.9%	75.1%

Software revenue increased 6.7 percent in 1999 from 1998, following an increase of 6.3 percent from 1997. The company's middleware products (which comprise, for both IBM and non-IBM platforms, data management, transaction processing, Tivoli systems management and Lotus Notes messaging and collaboration) had revenue growth of 12 percent in 1999 and 9 percent in 1998. The company continues to focus on helping customers use its software to transform their businesses into e-businesses, particularly in collaboration with the company's Global Services and channel partners.

The company's middleware products continued their momentum due to the company's ability to integrate; the growing participation on non-IBM platforms and the expanding market coverage as more partnerships were formed with Independent Software Vendors, Web integrators and service providers; and a dedicated sales force of 6,600 people.

Operating systems software revenue declined 4 percent in 1999 and increased 3 percent in 1998 when compared with previous periods. The decline in 1999 was driven by lower revenue in AS/400. The 1998 increase was driven by higher AS/400 operating systems revenue versus 1997.

Software gross profit dollars increased 8.5 percent in 1999 from 1998, following an increase of 14.6 percent in 1998 from 1997. Increased revenue and lower levels of amortization costs associated with previously deferred software development spending drove the improvement, partially offset by higher vendor royalty payments due primarily to increased volumes.

# **Global Financing**

-			
(Dollars in millions)	1999	1998	1997
Revenue	\$ 3,137	\$ 2,877	\$ 2,806
Cost	1,446	1,494	1,448
Gross profit	\$ 1,691	\$ 1,383	\$ 1,358
Gross profit margin	53.9%	<b>48.1</b> %	<b>48.4</b> %

Global Financing revenue increased 9.0 percent in 1999 from 1998, following an increase of 2.5 percent in 1998 versus 1997. Growth in working capital financing, along with continued growth in financing of software and services, drove the revenue increase in 1999. Financing originations increased to approximately \$43 billion, with year-to-year growth in working capital financing, along with software and services financing. The revenue increase in 1998 over 1997 was due to improved sales of used equipment and growth in software and services financing, offset by a decline in working capital financing.

Gross profit dollars increased 22.3 percent in 1999 versus 1998, following an increase of 1.8 percent in 1998 over 1997. The increase in 1999 reflects Global Financing's ongoing strategy to increase its use of the company's Global Treasury Centers rather than external banks as a funding source and lower costs of borrowing. The increase in gross profit dollars in 1998 versus 1997 was primarily due to increased revenue and a higher gross profit margin in the U.S. markets.

#### Enterprise Investments/Other

(Dollars in millions)	1999	1998	1997
Revenue	\$ 2,536	\$ 2,592	\$ 2,742
Cost	1,558	1,702	1,729
Gross profit	\$ 978	\$ 890	\$ 1,013
Gross profit margin	38.6%	34.3%	<b>36.9</b> %

Enterprise Investments/Other revenue decreased 2.2 percent from 1998, following a decrease of 5.5 percent in 1998 from 1997. The decrease was driven by lower revenue from discontinued product lines, such as automated teller machines (ATMs), partially offset by growth in point-of-sale terminals and computeraided three-dimensional interactive application (CATIA) software. The decrease in 1998 versus 1997 was primarily a result of lower software revenue, partially offset by higher revenue from pointof-sale terminals. The gross profit dollars from Enterprise Investments/Other increased 9.9 percent in 1999 versus 1998, following a decrease of 12.1 percent in 1998 versus 1997. The increase in 1999 gross profit dollars and gross profit margin was primarily driven by an improving gross profit margin for point-of-sale terminals and software. The decline in 1998 gross profit dollars and gross profit margin was primarily driven by the lower software revenue versus 1997.

#### **Operating Expenses**

(Dollars in millions)	1999	1998	1997
Selling, general and			
administrative	\$ 14,729	\$ 16,662	\$ 16,634
Percentage of revenue	16.8%	20.4%	21.2%
Research, development			
and engineering	\$ 5,273	\$ 5,046	\$ 4,877
Percentage of revenue	6.0%	<b>6.2</b> %	<b>6.2</b> %

Selling, general and administrative (SG&A) expense declined 11.6 percent in 1999 versus 1998 and was essentially flat in 1998 with 1997. The decrease in 1999 reflects the net pre-tax benefit associated with the sale of the Global Network and the actions taken by the company in 1999 to improve its competitiveness and to strengthen further the company's overall business portfolio. (See note D, "Acquisitions/Divestitures," on pages 72 and 73, and note R, "1999 Actions," on pages 81 and 82 for further information.)

The company continues to manage aggressively its infrastructure expense and its overall portfolio to allow for investment in growth areas of the business. Key ongoing investments include software marketing, major marketing campaigns, and new offerings for small and medium business opportunities, as well as the e-business campaign. These types of expenditures are consistent with the company's ongoing objective of growing revenue while improving the expense-to-revenue ratio over time.

Research, development and engineering expense increased 4.5 percent in 1999 from 1998, following an increase of 3.5 percent in 1998 from 1997. The increase in 1999 reflects additional expenses associated with the acquisition of Sequent Computer Systems, Inc., Mylex Corporation and DASCOM, Inc. Those acquisitions are intended to improve the company's long-term competitiveness in the server, storage and Web-security markets, respectively. (See note D, "Acquisitions/Divestitures," on pages 72 and 73 for further detail about the in-process research and development charge.) In addition, the increases in both 1999 and 1998 reflect the company's continued investments in high-growth opportunities like e-business, Tivoli systems management and Lotus products, as well as the effect of ongoing research, development and engineering expense associated with new acquisitions.

As a result of its ongoing research and development efforts, the company received 2,756 patents in 1999, placing it number one in patents granted in the U.S. for the seventh consecutive year. The application of these technological advances transforms the company's research and development into new products. Examples of these efforts range from new e-business solutions to innovative manufacturing techniques. A patent for performing computer-based online commerce using an intelligent agent will play a major role in future e-business. This patent enables customers to use intelligent software agents to negotiate for services from multiple providers. The intelligent agents take into account both the availability of the requested service, such as airline seats, and the providers' business policies, such as those on cancellations. The agents commit to services with the most flexible policies first, giving the user the greatest possible protection. With respect to manufacturing technologies, the silicon-on-insulator (SOI) chip technology can reduce power consumption and improve chip performance. A new patent in 1999 defines processing improvements that increase the efficiency and reduce the cost of manufacturing SOI chips. This technology will be crucial in the industry's development of a new class of "pervasive computing" devices, handheld and embedded products such as smart phones, and Internet appliances that business professionals and consumers will rely on for easy access to e-business data and services.

See note Y, "Segment Information," on pages 89 through 93 for additional information about the pre-tax income of each segment, as well as the methodologies employed by the company to allocate shared expenses to the segments.

## **Provision for Income Taxes**

The provision for income taxes resulted in an effective tax rate of 34.4 percent for 1999, compared with the 1998 effective tax rate of 30.0 percent and a 1997 effective tax rate of 32.5 percent. The 4.4 point increase from the 1998 rate is the result of the company's sale of its Global Network business to AT&T and various other actions implemented during 1999. (See note D, "Acquisitions/Divestitures," on pages 72 and 73 and note R, "1999 Actions," on pages 81 and 82 for further detail regarding the tax impacts of these items.) The reduction in the 1998 tax rate versus 1997 reflects the company's continued expansion into markets with lower effective tax rates.

The company accounts for income taxes under Statement of Financial Accounting Standards (SFAS) No. 109, "Accounting for Income Taxes," which provides that a valuation allowance should be recognized to reduce the deferred tax asset to the amount that is more likely than not to be realized. In assessing the likelihood of realization, management considered estimates of future taxable income.

# Fourth Quarter

For the quarter ended December 31, 1999, the company had revenue of \$24.2 billion, a decrease of 3.8 percent from the same period in 1998. Net income in the fourth quarter was \$2.1 billion (\$1.12 per diluted common share), compared with net income of \$2.3 billion (\$1.24 per diluted common share) in the fourth quarter of 1998.

Revenue for the fourth quarter of 1999 from the company's end-user businesses totaled \$10.4 billion from the Americas, a decrease of 3.7 percent (2 percent decrease in constant currency) compared with the same period last year. Revenue from Europe/Middle East/Africa was \$7.2 billion, down 15.0 percent (6 percent decrease in constant currency). Asia Pacific revenue grew 12.3 percent (2 percent increase in constant currency) to \$4.4 billion. OEM revenue across all geographies was \$2.2 billion, a 12.5 percent increase (12 percent in constant currency) compared with the fourth quarter of 1998. Hardware revenue declined 10.7 percent (10 percent in constant currency) to \$10.2 billion from the 1998 fourth quarter. Y2K-related declines in customer demand were a significant factor behind fourth-quarter revenue decreases in S/390, AS/400, RS/6000 and personal computers. However, within the company's server family, Netfinity PC revenues increased significantly, as did revenues from RS/6000 mid-range servers, including the advanced RS/6000 Model S80. Microelectronics revenues increased substantially, principally due to growth in custom logic shipments. Shipments of the company's new "Shark" disk storage product were strong in the quarter, although overall storage revenues declined largely as a result of ongoing price pressures in HDDs. The overall hardware gross profit margin declined to 26.6 percent from 34.2 percent.

Global Services revenue grew 2.0 percent (4 percent in constant currency) versus the fourth quarter of 1998. Strategic Outsourcing showed good growth versus the fourth quarter of 1998. Networking Services declined year to year due to the sale of the Global Network to AT&T during 1999, while revenue from the other categories of services was flat or declined as a result of the Y2K-related slowdown. The company's services unit signed more than \$10 billion in services contracts in the quarter. Revenue from maintenance offerings was essentially flat when compared with the fourth quarter of 1998.

Software revenue totaled \$3.6 billion, up 1.7 percent (6 percent in constant currency) over the prior year's final quarter. Middleware—which is critical for e-business—grew 8 percent (13 percent at constant currency), with record fourth quarter shipments of Lotus Notes and Domino groupware products and strong performance in database, transaction processing, and Tivoli system management software. The software gross profit margin improved 1.1 points year over year to 83.4 percent.

Global Financing revenue increased 19.3 percent (22 percent in constant currency) versus the same period of 1998, and Enterprise Investments/Other declined 13.3 percent (10 percent in constant currency) compared with 1998's fourth quarter. The revenue decline in Enterprise Investments/Other resulted from the company's strategy to withdraw from certain businesses, such as ATMs.

The company's overall gross profit margin in the fourth quarter was 36.7 percent, compared with 39.0 percent in the year-earlier period. The decrease was primarily due to a drop in the hard-ware margin of 7.6 points from the fourth quarter 1998 across

S/390 and AS/400 servers, storage and personal computer products. This decrease was partially offset by improved margins for services and software in the fourth quarter of 1999 versus the same period in 1998.

Total fourth-quarter 1999 expense declined 9.3 percent when compared with the fourth quarter of 1998. The decline reflects lower revenue-related expenses due to the slowdown that is included in the fourth quarter results. The quarter also reflected expenses associated with infrastructure reductions in areas such as Sales and Distribution, Personal Systems and Server Group, which offset a gain associated with the sale to Cisco Systems, Inc. of certain IBM intellectual property. The expenseto-revenue ratio in the fourth quarter of 1999 was 24.4 percent, compared with 25.9 percent in the year-earlier period.

The company's tax rate was 30.0 percent in the fourth quarter, compared with 28.9 percent in the fourth quarter of 1998.

The company spent approximately \$2.1 billion on common share repurchases in the fourth quarter. The average number of shares outstanding in the fourth quarter of 1999 was 1,793.0 million, compared with 1,839.5 million in the year-earlier period. The average number of shares outstanding for purposes of calculating diluted earnings per share was 1,847.8 million in the fourth quarter of 1999 versus 1,894.3 million in the fourth quarter of 1998.

# **Financial Condition**

During 1999, the company continued to make significant investments to fund future growth and increase shareholder value, spending \$5,806 million for research, development and engineering; \$4,346 million for plant and other property, including machines used in strategic outsourcing contracts; \$1,613 million for machines on operating leases with customers; \$1,542 million for strategic acquisitions; and \$7,280 million for the repurchase of the company's common shares. The company had \$5,831 million in cash and cash equivalents and marketable securities at December 31, 1999.

The company has access to global funding sources. During 1999, the company issued debt in a variety of geographies to a diverse set of investors, including significant funding in the United States, Japan and Europe. The funding has a wide range of maturities from short-term commercial paper to long-term debt. More information about company debt is provided in note J, "Debt," on page 74. In December 1993, the company entered into a \$10 billion committed global credit facility to enhance the liquidity of funds. This facility was amended in February 1997, and extended to February 2002. As of December 31, 1999, \$8,562 million was unused and available.

The company managed assets of \$273 million and \$864 million at December 31, 1999 and 1998, respectively, from the securitization of loans, leases and trade receivables. For additional information, see note I, "Sale and Securitization of Receivables," on page 74.

The major rating agencies have continued their review of the company's financial condition. None of the agencies announced a change in rating in 1999. Standard and Poor's rates the company and its rated subsidiaries' senior long-term debt as A+, the commercial paper as A-1 and IBM's preferred stock as A.

Moody's Investors Service rates the senior long-term debt of the company and its rated subsidiaries as A1, the commercial paper as Prime-1, and the company's preferred stock as "a1."

Fitch Investors Service rates the company and its rated subsidiaries' senior long-term debt as AA-, commercial paper as F-1+, and preferred stock as A+.

Duff & Phelps rates the company and its rated subsidiaries' senior long-term debt as A+, commercial paper as Duff 1, and the company's preferred stock as A.

#### Cash Flows

The company's cash flows from operating, investing and financing activities, as reflected in the Consolidated Statement of Cash Flows on page 68, are summarized in the following table:

(Dollars in millions)	1999	1998	1997
Net cash provided from			
(used in):			
<b>Operating activities</b>	\$ 10,111	\$ 9,273	\$ 8,865
Investing activities	(1,669)	(6,131)	(6,155)
Financing activities	(8,625)	(4,993)	(3,090)
Effect of exchange rate			
changes on cash and			
cash equivalents	(149)	120	(201)
Net change in cash and			
cash equivalents	\$ (332)	\$ (1,731)	\$ (581)

# Working Capital

(Dollars in millions)		
At December 31:	1999	1998
Current assets	\$ 43,155	\$ 42,360
Current liabilities	39,578	36,827
Working capital	\$ 3,577	\$ 5,533
Current ratio	1.09:1	1.15:1

Current assets increased \$795 million, driven primarily by increases of \$837 million in accounts receivable, \$227 million in prepaid expenses and other current assets and \$63 million in cash and cash equivalents and marketable securities, offset by a decrease of \$332 million in inventories. The increase in accounts receivable is due to strong global financing activity in the software and services businesses across all geographies. The increase in prepaid expenses and other current assets is due to increases in deferred tax assets from year-end 1998. The increase in cash and cash equivalents and marketable securities resulted primarily from cash generated from operations and the net proceeds from the sale of the company's Global Network, offset by stock repurchases, capital expenditures and strategic acquisitions.

The company ended 1999 with inventories of \$4,868 million, the lowest level since 1983, due to continued focus on inventory management process improvements, notably in Personal Systems. These improvements increased the company's inventory turnover to 5.9 in 1999 from 5.3 in 1998.

Current liabilities increased \$2,751 million from year-end 1998 with increases of \$1,667 million in taxes payable, \$325 million in short-term debt and \$759 million in other current liabilities. The increase in other current liabilities resulted from increases in accounts payable (\$148 million), compensation and benefits (\$310 million), and deferred income (\$414 million), and a \$113 million decrease in other accrued expenses and liabilities. The increase in taxes payable primarily reflects improvements in the company's results associated with the sale of the company's Global Network to AT&T. Short-term debt increase in other current liabilities was primarily related to deferred income, mainly advanced billings for software.

# Investments

The company's investments for plant, rental machines and other property were \$5,959 million for 1999, a decrease of \$561 million from 1998. The company continues to invest significantly in its rapidly growing services business, primarily in the management of customers' information technology, and in manufacturing capacity for HDDs and microelectronics.

In addition to software development expenses included in research, development and engineering, the company capitalized \$464 million of software costs during 1999, an increase of \$214 million from the 1998 period. The increase resulted primarily from the adoption by the company as of January 1, 1999, of the American Institute of Certified Public Accountants Statement of Position (SOP) 98-1, "Accounting for the Costs of Computer Software Developed or Obtained for Internal Use." The SOP requires the capitalization of internal use computer software if certain criteria are met. The company amortizes the capitalized costs over two years. Amortization of capitalized software costs (both internal use and licensed programs) was \$426 million in 1999, a decline of \$91 million from 1998.

Investments and sundry assets were \$26,087 million at the end of 1999, an increase of \$2,577 million from 1998, primarily the result of increases in prepaid pension assets, customer loan receivables-not yet due, and alliance investments, which include investments in high-growth-potential technology companies. See note G, "Investments and Sundry Assets," on page 73 for additional information.

## Debt and Equity

(Dollars in millions)	1999	1998
Non-global financing debt	\$ 1,555	\$ 1,659
Global financing debt	26,799	27,754
Total debt	\$ 28,354	\$ 29,413
Stockholders' equity	\$ 20,511	\$ 19,433
Debt/capitalization	<b>58.0</b> %	<b>60.2</b> %
EBITDA/Interest expense	9x	8x
Non-global financing:		
Debt/capitalization	9.0%	9.9%
EBITDA/Interest expense	19x	15x
Global financing debt/equity	5.5:1	6.5:1

Because a financing business has a different capital structure than a technology business, the company's debt and key financial ratios are calculated on both a global financing and non-global financing basis.

Total debt decreased \$1,059 million from year-end 1998 as debt supporting the growth of global financing assets decreased \$955 million and non-global financing debt decreased \$104 million.

Stockholders' equity increased \$1,078 million to \$20,511 million at December 31, 1999, primarily due to the increase in retained earnings and accumulated gains and losses not affecting retained earnings, partially offset by the company's ongoing stock repurchase program. (See note N, "Stockholders' Equity Activity," on pages 78 and 79.)

The ratio of non-global financing earnings before interest and taxes plus depreciation and amortization (EBITDA) to nonglobal financing interest expense, adjusted for future gross minimum rental commitments, was 19x and 15x in 1999 and 1998, respectively. EBITDA is a useful indicator of the company's ability to service its debt.

# **Currency Rate Fluctuations**

Changes in the relative values of non-U.S. currencies to the U.S. dollar affect the company's results. At December 31, 1999, currency changes resulted in assets and liabilities denominated in local currencies being translated into fewer dollars than at year-end 1998. The currency rate changes had minimal effect on 1999 revenue growth, but had an unfavorable effect on 1998 and 1997 revenue growth of approximately 2 percent and 5 percent, respectively.

In high-inflation environments, translation adjustments are reflected in period income, as required by SFAS No. 52, "Foreign Currency Translation." Generally, the company limits currency risk in these countries by linking prices and contracts to U.S. dollars, financing operations locally and entering into foreign currency hedge contracts.

The company uses a variety of financial hedging instruments to limit specific currency risks related to global financing transactions and the repatriation of dividends and royalties. Further discussion of currency and hedging appears in note L, "Financial Instruments," on pages 75 through 77.

## Market Risk

In the normal course of business, the financial position of the company routinely is subject to a variety of risks. In addition to the market risk associated with interest rate and currency movements on outstanding debt and non-U.S. dollar denominated assets and liabilities, other examples of risk include collectibility of accounts receivable and recoverability of residual values on leased assets.

The company regularly assesses all of these risks and has established policies and business practices to protect against the adverse effects of these and other potential exposures. As a result, the company does not anticipate any material losses from these risks.

The company's debt in support of the global financing business and the geographic breadth of the company's operations contain an element of market risk from changes in interest and currency rates. The company manages this risk, in part, through the use of a variety of financial instruments including derivatives, as explained in note L, "Financial Instruments," on pages 75 through 77.

For purposes of specific risk analysis, the company uses sensitivity analysis to determine the effects that market risk exposures may have on the fair values of the company's debt and other financial instruments.

The financial instruments that are included in the sensitivity analysis comprise all of the company's cash and cash equivalents, marketable securities, long-term non-lease receivables, investments, long-term and short-term debt and all derivative financial instruments. The company's portfolio of derivative financial instruments includes interest rate swaps, interest rate options, foreign currency swaps, forward contracts and foreign currency option contracts.

To perform sensitivity analysis, the company assesses the risk of loss in fair values from the effect of hypothetical changes in interest rates and foreign currency exchange rates on market sensitive instruments. The market values for interest and foreign currency exchange risk are computed based on the present value of future cash flows as affected by the changes in rates that are attributable to the market risk that is being measured. The company selected the discount rates that it used for the present value computations based on market interest and foreign currency exchange rates in effect at December 31, 1999 and 1998. The differences in this comparison are the hypothetical gains or losses associated with each type of risk.

Information provided by the sensitivity analysis does not necessarily represent the actual changes in fair value that the company would incur under normal market conditions because, due to practical limitations, all variables other than the specific market risk factor are held constant. In addition, the results of the model are constrained by the fact that certain items are specifically excluded from the analysis, while the financial instruments that relate to the financing or hedging of those items are included by definition. Excluded items include leased assets, forecasted foreign currency cash flows, and the company's net investment in foreign operations. As a consequence, the reported changes in the values of some financial instruments that affect the results of the sensitivity analysis are not matched with the offsetting changes in the values of the items that those instruments are designed to finance or hedge.

The results of the sensitivity analysis at December 31, 1999, and December 31, 1998, are as follows:

Interest Rate Risk: As of December 31, 1999, a 10 percent decrease in the levels of interest rates with all other variables held constant would result in a decrease in the fair value of the company's financial instruments of \$164 million as compared with a decrease of \$322 million as of December 31, 1998. A 10 percent increase in the levels of interest rates with all other variables held constant would result in an increase in the fair value of the company's financial instruments of \$145 million as compared with an increase of \$282 million as of December 31, 1998. Changes in the relative sensitivity of the fair value of the company's financial instrument portfolio for these theoretical changes in the level of interest rates primarily are driven by changes in the company's debt maturity and interest rate profile and amount. In 1999 versus 1998, the reported decline in interest rate sensitivity primarily is due to the effect of increased activity in receive fixed/pay floating interest rate swaps.

Foreign Currency Exchange Rate Risk: As of December 31, 1999, a 10 percent decrease or increase in the levels of foreign currency exchange rates against the U.S. dollar with all other variables held constant would result in a decrease in the fair value of the company's financial instruments of \$1,319 million or an increase in the fair value of the company's financial instruments of \$1,340 million, respectively, compared with a decrease of \$597 million or an increase of \$855 million, respectively, as of December 31, 1998. The change in the relative sensitivity of the fair market value of the company's financial instrument portfolio to the level of foreign currency exchange rates primarily is driven by an increase in the overall level of net foreign investment hedging activity as well as by an increase in the use of foreign currency forwards in lieu of foreign currency options to hedge the company's various foreign currency exposures in accordance with the company's established risk management practices. As the effect of offsetting changes in the fair market value of the company's net foreign investments are not included in the sensitivity model, the results of the analysis do not indicate an increase in the company's actual exposure to foreign currency exchange rate risk.

## **Financing Risks**

Global financing is an integral part of the company's total worldwide offerings. Inherent in global financing are certain risks, including credit, interest rate, currency and residual value. The company manages credit risk through comprehensive credit evaluations and pricing practices. To manage the risks associated with an uncertain interest rate environment, the company pursues a funding strategy of substantially matching the terms of its debt with the terms of its assets. Currency risks are managed by denominating liabilities in the same currency as the assets.

Residual value risk is managed by developing projections of future equipment values at lease inception, reevaluating these projections periodically, and effectively deploying remarketing capabilities to recover residual values and potentially earn a profit. Remarketing efforts consistently have generated profits. The following table depicts an approximation of the unguaranteed residual value maturities for the company's sales-type leases, as well as a projection of the remaining net book value of machines on operating leases at the end of the lease terms as of December 31, 1997, 1998 and 1999. The following table excludes approximately \$34 million of estimated residual value associated with non-information technology equipment.

			Tota	al			Ru	n Out	of 1999 Balance	
(Dollars in millions)	10	97		1998	1999	2000	ງ ວເ	001	2002	2003 and
										beyond
Sales-type leases	\$ 5	63	\$	685	\$ 737	\$ 209	9 \$3	01	\$ 198	\$ 29
Operating leases	7	01		731	609	319	) 1	97	87	6
Total residual value	\$ 1,2	64	\$	1,416	\$ 1,346	\$ 528	3 \$4	98	\$ 285	\$ 35

International Business Machines Corporation and Subsidiary Companies

					ntage iges
	1999	1998	1997	1999-98	1998-97
IBM/wholly owned					
subsidiaries	307,401	291,067	269,465	5.6	8.0
Less than wholly owned					
subsidiaries	17,176	21,704	20,751	(20.9)	4.6
Complementary	29,800	36,900	43,000	(19.2)	(14.2)

IBM employees, including wholly owned subsidiaries, increased by more than 16,000 in 1999. The growth areas of the company, Global Services and the Software Group, continue to drive the increase; Global Services hired approximately 17,000 in 1999. Acquisitions also contributed to the increase. The company also continues to reduce its infrastructure and to withdraw from certain businesses, thereby offsetting some of the growth. For example, during 1999, IBM sold its Global Network to AT&T, resulting in the loss of about 5,300 employees.

The decrease in employees in the less than wholly owned subsidiaries over the last year reflects a number of entities that were converted to a wholly owned status, such as Global Services in India and MiCRUS in the U.S., or divested during the year. Partially offsetting the decrease was continued growth in Global Services, notably in Australia, and in a number of subsidiaries in China.

The company's complementary workforce is an approximation of equivalent full-time employees hired under temporary, parttime and limited-term employment arrangements to meet specific business needs in a flexible and cost-effective manner.

# Year 2000

The issues raised by the transition to the Year 2000 presented a pervasive and unprecedented global challenge to IBM, its customers, partners, suppliers and employees, as well as to governments, communities and individuals. The company believes that the overall uneventful arrival of the Year 2000 is testimony to the hard work and investment of organizations and individuals around the world.

With respect to the company's own operations, it prepared more than one million critical items for the transition, including PCs and servers, application software, and manufacturing tools and instruments. In addition, 2,500 suppliers, 750 business partners and 200 subsidiaries were assessed for risk mitigation planning purposes. The company estimates that it will have spent approximately \$500 million over a multi-year period in these efforts, including conversion, testing and contingency planning.

Over the past five years, the company undertook numerous initiatives to help customers prepare for the Year 2000 including contacting customers around the world to help promote awareness of Year 2000 issues; developing a range of service offerings and tools to help customers assess, develop and execute plans to make their systems Year 2000 ready; and making the company's own current hardware and software offerings Year 2000 ready. To illustrate the extent of the company's efforts, more than one million customers used the company's technical support Year 2000 Web site; and the company's Global Services organization processed more than one billion lines of customer code. Further, the company found that a large number of its enterprise customers locked down their information technology systems and postponed technology purchases heading into the Year 2000 transition, which adversely affected the company's business performance during the second half of 1999. See the Results of Operations and Financial Condition sections within the Management Discussion for further information.

In the near term, the company recognizes the need to maintain its vigilance in the event Y2K issues do arise. Further, some commentators believe that a significant amount of litigation will arise from Year 2000 issues. The company continues to believe that it has good defenses to any such potential claims brought against it.

The Year 2000 statements set forth above are designated as "Year 2000 Readiness Disclosures" pursuant to the Year 2000 Information and Readiness Disclosure Act (P.L. 105-271).

# consolidated statement of earnings

International Business Machines Corporation and Subsidiary Companies

(Dollars in millions except per share amounts)				
For the year ended December 31:	Notes	1999	1998	1997
Revenue:				
Hardware		\$ 37,041	\$ 35,419	\$ 36,630
Global Services		32,172	28,916	25,166
Software		12,662	11,863	11,164
Global Financing		3,137	2,877	2,806
Enterprise Investments/Other		2,536	2,592	2,742
Total revenue		87,548	81,667	78,508
Cost:				
Hardware		27,071	24,214	23,473
Global Services		23,304	21,125	18,464
Software		2,240	2,260	2,785
Global Financing		1,446	1,494	1,448
Enterprise Investments/Other		1,558	1,702	1,729
Total cost		55,619	50,795	47,899
Gross profit		31,929	30,872	30,609
Operating expenses:				
Selling, general and administrative	Q	14,729	16,662	16,634
Research, development and engineering	S	5,273	5,046	4,877
Total operating expenses		20,002	21,708	21,511
Operating income		11,927	9,164	9,098
Other income, principally interest		557	589	657
Interest expense	K	727	713	728
Income before income taxes		11,757	9,040	9,027
Provision for income taxes	Р	4,045	2,712	2,934
Net income		7,712	6,328	6,093
Preferred stock dividends		20	20	20
Net income applicable to common stockholders		\$ 7,692	\$ 6,308	\$ 6,073
Earnings per share of common stock:				
Assuming dilution	т	\$ 4.12	\$ 3.29*	\$ 3.00*
Basic	т	\$ 4.25	\$ 3.38*	\$ 3.09*

# Average number of common shares outstanding:

Assuming dilution: 1999–1,871,073,912; 1998–1,920,130,470\*; 1997–2,021,869,884\* Basic: 1999–1,808,538,346; 1998–1,869,005,570\*; 1997–1,966,572,722\*

\* Adjusted to reflect a two-for-one stock split effective May 10, 1999.

The accompanying notes on pages 69 through 93 are an integral part of the financial statements.

# consolidated statement of financial position

International Business Machines Corporation and Subsidiary Companies

(Dollars in millions except per share amounts)			
At December 31:	Notes	1999	1998
Assets			
Current assets:			
Cash and cash equivalents		\$ 5,043	\$ 5,375
Marketable securities	L	788	393
Notes and accounts receivable-trade, net of allowances		20,039	18,958
Sales-type leases receivable		6,220	6,510
Other accounts receivable		1,359	1,313
Inventories	E	4,868	5,200
Prepaid expenses and other current assets		4,838	4,611
Total current assets		43,155	42,360
Plant, rental machines and other property	F	39,616	44,870
Less: Accumulated depreciation		22,026	25,239
Plant, rental machines and other property-net		17,590	19,631
Software		663	599
Investments and sundry assets	G	26,087	23,510
Total assets		\$ 87,495	\$ 86,100
Liabilities and Stockholders' Equity			
Current liabilities:			
Taxes	Р	\$ 4,792	\$ 3,125
Short-term debt	J & L	14,230	13,905
Accounts payable		6,400	6,252
Compensation and benefits		3,840	3,530
Deferred income		4,529	4,115
Other accrued expenses and liabilities		5,787	5,900
Total current liabilities		39,578	36,827
Long-term debt	J&L	14,124	15,508
Other liabilities	М	11,928	12,818
Deferred income taxes	Р	1,354	1,514
Total liabilities		66,984	66,667
Contingencies	0	,	
Stockholders' equity:	N		
Preferred stock, par value \$.01 per share		247	247
Shares authorized: 150,000,000			
Shares issued and outstanding (1999 and 1998–2,546,011)			
Common stock, par value \$.20* per share	С	11,762	10,121
Shares authorized: 4,687,500,000*	Ť	,	
Shares issued (1999–1,876,665,245; 1998–1,853,738,104*)			
Retained earnings		16,878	10,141
Treasury stock, at cost (shares: 1999–72,449,015; 1998–1,924,293*)		(7,375)	(133)
Employee benefits trust (shares: 1999–20,000,000; 1998–20,000,000*)		(2,162)	(1,854)
Accumulated gains and losses not affecting retained earnings		1,161	911
Total stockholders' equity		20,511	19,433
Total liabilities and stockholders' equity		\$ 87,495	\$ 86,100

\* Adjusted to reflect a two-for-one stock split effective May 10, 1999. The accompanying notes on pages 69 through 93 are an integral part of the financial statements.

# consolidated statement of stockholders' equity

International Business Machines Corporation and Subsidiary Companies

(Dollars in millions)	Preferred Stock	Common Stock	Retained Earnings	Treasury Stock	Employee Benefits Trust	Accumulated Gains and Losses Not Affecting Retained Earnings	Total
1997* Charles Handra 1, 1997	+						
Stockholders' equity, January 1, 1997 Net income plus gains and losses not	\$ 253	\$ 7,752	\$ 11,189	\$ (135)	\$ —	\$ 2,569	\$ 21,628
affecting retained earnings:							
Net income			6,093				\$ 6,093
Gains and losses not affecting							
retained earnings (net of tax): Foreign currency translation adjustments							
(net of tax expense of \$24)						(1,610)	(1,610)
Net unrealized losses on marketable							
securities (net of tax benefit of \$37)						(60)	(60)
Total gains and losses not affecting retained earnings							(1,670)
Subtotal: Net income plus gains and							
losses not affecting retained earnings							\$ 4,423
Cash dividends declared – common stock			(763)				(763)
Cash dividends declared – preferred stock Common stock purchased and retired			(20)				(20)
(137,554,672** shares)		(565)	(5,455)				(6,020)
Preferred stock purchased and							
retired (13,450 shares)	(1)						(1)
Common stock issued under employee plans (39,303,206** shares)		985	(2)				983
Purchases (8,254,336** shares) and sales		000	(-/				000
(10,764,558** shares) of treasury stock							
under employee plans – net			(32)	49	(960)		17
Employee benefits trust (20,000,000** shares) Tax effect-stock transactions		429			(860)		(860) 429
Stockholders' equity, December 31, 1997	\$ 252	\$ 8,601	\$ 11,010	\$ (86)	\$ (860)	\$ 899	\$ 19,816
1998*							
Net income plus gains and losses not							
affecting retained earnings: Net income			6,328				\$ 6,328
Gains and losses not affecting			0,520				\$ 0,520
retained earnings (net of tax):							
Foreign currency translation adjustments							
(net of tax benefit of \$45) Net unrealized losses on marketable						69	69
securities (net of tax benefit of \$36)						(57)	(57)
Total gains and losses not affecting							·;
retained earnings							12
Subtotal: Net income plus gains and losses not affecting retained earnings							\$ 6,340
Cash dividends declared – common stock			(814)				(814)
Cash dividends declared – preferred stock			(20)				(20)
Common stock purchased and retired							
(113,993,636** shares) Preferred stock purchased and retired		(556)	(6,291)				(6,847)
(51,250 shares)	(5)						(5)
Common stock issued under employee	(-/						
plans (29,701,038** shares)		709	(1)				708
Purchases (9,100,678** shares) and sales (9,024,296** shares) of treasury stock							
under employee plans—net			(71)	(47)			(118)
Fair value adjustment of employee benefits trus	t	1,002			(994)		8
Tax effect-stock transactions		365					365
Stockholders' equity, December 31, 1998	\$ 247	\$ 10,121	\$ 10,141	\$ (133)	\$ (1,854)	\$ 911	\$ 19,433

# consolidated statement of stockholders' equity

International Business Machines Corporation and Subsidiary Companies

(Dollars in millions)	Preferred Stock	Common Stock	Retained Earnings	Treasury Stock	Employee Benefits Trust	Accumulated Gains and Losses Not Affecting Retained Earnings	Total
1999							
Stockholders' equity, December 31, 1998 Net income plus gains and losses not	\$ 247	\$ 10,121	\$ 10,141	\$ (133)	\$ (1,854)	\$ 911	\$ 19,433
affecting retained earnings:							
Net income			7,712				\$ 7,712
Gains and losses not affecting retained earnings (net of tax):							
Foreign currency translation adjustments							(=
(net of tax expense of \$180)						(546)	(546)
Net unrealized gains on marketable						700	700
securities (net of tax expense of \$456)						796	796
Total gains and losses not affecting retained earnings							250
Subtotal: Net income plus gains and							
losses not affecting retained earnings							\$ 7,962
Cash dividends declared – common stock			(859)				(859)
Cash dividends declared—preferred stock			(000)				(000)
Treasury shares purchased, not retired			(20)				(20)
(70,711,971 shares)				(7,192)			(7,192)
Common stock issued under employee				(1,152)			(1,132)
plans (22,927,141 shares)		741	(1)				740
Purchases (6,418,975 shares) and sales			(1)				140
(6,606,223 shares) of treasury stock							
under employee plans-net			(95)	(50)			(145)
Fair value adjustment of employee			(00)	(00)			(110)
benefits trust		318			(308)		10
Increase due to shares issued by subsidiary		37			(000)		37
Tax effect-stock transactions		545					545
Stockholders' equity, December 31, 1999	\$ 247	\$ 11,762	\$ 16,878	\$ (7,375)	\$ (2,162)	\$ 1,161	\$ 20,511

\* Reclassified to conform with 1999 presentation.
\*\*Adjusted to reflect a two-for-one stock split effective May 10, 1999.
The accompanying notes on pages 69 through 93 are an integral part of the financial statements.

# consolidated statement of cash flows

International Business Machines Corporation and Subsidiary Companies

(Dollars in millions)

(Dollars in millions)			
At December 31:	1999	1998*	1997*
Cash flow from operating activities:			
Net income	\$ 7,712	\$ 6,328	\$ 6,093
Adjustments to reconcile net income to cash provided			
from operating activities:			
Depreciation	6,159	4,475	4,018
Amortization of software	426	517	983
Deferred income taxes	(713)	(606)	358
Gain on disposition of fixed and other assets	(4,791)	(261)	(273)
Other changes that (used) provided cash:			
Receivables	(1,677)	(2,736)	(3,727)
Inventories	301	73	432
Other assets	(130)	219	(378)
Accounts payable	(3)	362	699
Other liabilities	2,827	902	660
Net cash provided from operating activities	10,111	9,273	8,865
Cash flow from investing activities:			
Payments for plant, rental machines and other property	(5,959)	(6,520)	(6,793)
Proceeds from disposition of plant, rental machines	(0,000)	(0,0-0)	(0,200)
and other property	1,207	905	1,130
Investment in software	(464)	(250)	(314)
Purchases of marketable securities and other investments	(3,949)	(4,211)	(1,617)
Proceeds from marketable securities and other investments	2,616	3,945	1,439
Proceeds from sale of the Global Network	4,880		
Net cash used in investing activities	(1,669)	(6,131)	(6,155)
Cash flow from financing activities: Proceeds from new debt	6,133	7,567	9,142
Short-term borrowings less than 90 days—net	276	499	(668)
Payments to settle debt	(7,510)	(5,942)	(4,530)
Preferred stock transactions—net	(7,510)	(5,542)	(4,330)
Common stock transactions—net	(6,645)	(6,278)	(6,250)
Cash dividends paid	(879)	(834)	(0,230)
Net cash used in financing activities	(8,625)	(4,993)	(3,090)
Effect of exchange rate changes on cash and cash equivalents	(149)	120	(3,030)
Net change in cash and cash equivalents	(332)	(1,731)	(581)
Cash and cash equivalents at January 1	5,375	7,106	
Cash and cash equivalents at December 31	\$ 5,043	\$ 5,375	7,687
	\$ 3,043	\$ 0,010	\$ 7,100
Supplemental data:			
Cash paid during the year for:			
Income taxes	\$ 1,904	\$ 1,929	\$ 2,472
Interest	\$ 1,574	\$ 1,605	\$ 1,475

\* Reclassified to conform with 1999 presentation. The accompanying notes on pages 69 through 93 are an integral part of the financial statements.

## A Significant Accounting Policies

# Principles of Consolidation

The consolidated financial statements include the accounts of International Business Machines Corporation and its controlled subsidiary companies, which in general are majority owned. Investments in business entities in which IBM does not have control, but has the ability to exercise significant influence over operating and financial policies (generally 20-50 percent ownership), are accounted for by the equity method. Other investments are accounted for by the cost method.

# 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 amounts that are reported in the consolidated financial statements and accompanying disclosures. Although these estimates are based on management's best knowledge of current events and actions that the company may undertake in the future, actual results may be different from the estimates.

#### Revenue

The company recognizes revenue when it is realized or realizable and earned. The company reduces revenue for estimated customer returns, allowances and anticipated price actions. The following are the specific revenue recognition policies for each major category of revenue.

#### HARDWARE

Revenue from hardware sales or sales-type leases is recognized when the product is shipped. Revenue from rentals and operating leases is recognized monthly as the fees accrue.

# SERVICES

Revenue from time and material service contracts is recognized as the services are provided. Revenue from fixed price longterm service contracts is recognized over the contract term based on the percentage of services that are provided during the period compared with the total estimated services to be provided over the entire contract. Losses on fixed price contracts are recognized during the period in which the loss first becomes apparent. Revenue from maintenance is recognized over the contractual period or as the services are performed. Revenue in excess of billings on service contracts is recorded as unbilled receivables and is included in trade accounts receivable. Billings in excess of revenue that is recognized on service contracts are recorded as deferred income until the above revenue recognition criteria are met.

#### SOFTWARE

Revenue from one-time charge licensed software is recognized at the inception of the license term, provided the company has vendor-specific objective evidence of the fair value of each element of the software offering and the software has been delivered. Revenue is deferred if vendor-specific objective evidence does not exist for each contract element, or if there are uncertainties about the timing of delivery of specific contract elements. The revenue that is deferred for any contract element is recognized when all of the revenue recognition criteria have been met for that element. Revenue from monthly software licenses is recognized as license fees accrue.

# FINANCING

Revenue from financing is recognized at level rates of return over the term of the lease or receivable.

## Income Taxes

Income tax expense is based on reported income before income taxes. Deferred income taxes reflect the effect of temporary differences between assets and liabilities that are recognized for financial reporting purposes and the amounts that are recognized for income tax purposes. In accordance with Statement of Financial Accounting Standards (SFAS) No. 109, "Accounting for Income Taxes," these deferred taxes are measured by applying currently enacted tax laws.

### Translation of Non-U.S. Currency Amounts

Assets and liabilities of non-U.S. subsidiaries that operate in a local currency environment are translated to U.S. dollars at yearend exchange rates. Income and expense items are translated at average rates of exchange prevailing during the year. Translation adjustments are recorded in Accumulated gains and losses not affecting retained earnings within stockholders' equity.

Inventories and plant, rental machines and other non-monetary assets and liabilities of non-U.S. subsidiaries and branches that operate in U.S. dollars, or whose economic environment is highly inflationary, are translated at approximate exchange rates prevailing when the company acquired the assets or liabilities. All other assets and liabilities are translated at year-end exchange rates. Cost of sales and depreciation are translated at historical exchange rates. All other income and expense items are translated at the average rates of exchange prevailing during the year. Gains and losses that result from translation are included in net income.

# Financial Instruments

In the normal course of business, the company uses a variety of derivative financial instruments to manage currency exchange rate and interest rate risk. To qualify for hedge accounting, the company requires that the derivative instruments that are used for risk management purposes effectively reduce the risk exposure that they are designed to hedge. For instruments that are associated with the hedge of an anticipated transaction, hedge effectiveness criteria also require that it be probable that the underlying transaction will occur. Instruments that meet these hedging criteria are formally designated as hedges at the inception of the contract. When the terms of an underlying hedged item or transaction are modified, or when the underlying hedged item ceases to exist, all changes in the fair value of the risk management instrument are recognized in income each period until the instrument matures. Those risk management instruments that do not meet the hedging criteria are accounted for at fair value, and changes in fair value are recognized immediately in net income. Refer to note L, "Financial Instruments," on pages 75 through 77 for descriptions of the major classes of derivative financial instruments used by the company, including the specific methods that the company uses to account for them.

In determining the fair value of its derivative and non-derivative financial instruments, the company uses a variety of methods and assumptions that are based on market conditions and risks existing at each balance sheet date. For the majority of financial instruments including most derivatives, long-term investments and long-term debt, standard market conventions and techniques such as estimated discounted value of future cash flows, option pricing models, replacement cost and termination cost are used to determine fair value. Quoted market prices or dealer quotes for the same or similar instruments are used for the remaining financial instruments.

# **Cash Equivalents**

All highly-liquid investments with a maturity of three months or less at date of purchase are carried at fair value and considered to be cash equivalents.

## Marketable Securities

Marketable securities included in current assets represent securities with a maturity of less than one year. The company's policy is to invest in primarily high-grade marketable securities. The company's marketable securities are considered available for sale and are reported at fair value with changes in unrealized gains and losses, net of applicable taxes, recorded in Accumulated gains and losses not affecting retained earnings within stockholders' equity. Realized gains and losses are calculated based on the specific identification method.

## Inventories

Raw materials, work in process and finished goods are stated at the lower of average cost or net realizable value.

# Depreciation

Plant, rental machines (computer equipment that is used internally, subject to an operating lease or as part of strategic outsourcing contracts) and other property are carried at cost and depreciated over their estimated useful lives using the straight-line method.

The estimated useful lives of depreciable properties generally are as follows: buildings, 50 years; building equipment, 20 years; land improvements, 20 years; plant, laboratory and office equipment, 2 to 15 years; and computer equipment, 1.5 to 5 years.

# Software

Costs that are related to the conceptual formulation and design of licensed programs are expensed as research and development. Also, for licensed programs, the company capitalizes costs to produce the finished product that are incurred after technological feasibility is established. The annual amortization of the capitalized amounts is the greater of the amount computed based on the estimated revenue distribution over the products' revenue-producing lives, or the straight-line method, and is applied over periods ranging up to three years. The company performs periodic reviews to ensure that unamortized program costs remain recoverable from future revenue. The company charges costs to support or service licensed programs against income as they are incurred.

The company capitalizes certain costs that are incurred to purchase or to create and implement internal use computer software, which include software coding, installation, testing and data conversion. Capitalized costs are amortized on a straight-line basis over two years.

## **Retirement Plans and Nonpension Postretirement Benefits**

Current service costs of retirement plans and postretirement healthcare and life insurance benefits are accrued in the period. Prior service costs that result from amendments to the plans are amortized over the average remaining service period of the employees expected to receive benefits. Unrecognized net gains and losses that exceed ten percent of the greater of the projected benefit obligation or the market-related value of plan assets are amortized to service cost over the average remaining service life of employees expected to receive benefits. See note W, "Retirement Plans," on pages 86 through 88 and note X, "Nonpension Postretirement Benefits," on pages 88 and 89 for further discussion.

# Goodwill

Goodwill is charged to net income on a straight-line basis over the periods estimated to benefit, generally not to exceed five years. The company performs reviews to evaluate the recoverability of goodwill and takes into account events or circumstances that warrant revised estimates of useful lives or that indicate that an impairment exists.

# Common Stock

Common stock refers to the \$.20 par value capital stock as designated in the company's Certificate of Incorporation.

## Earnings Per Share of Common Stock

Earnings per share of common stock—basic is computed by dividing Net income applicable to common stockholders by the weighted-average number of common shares outstanding for the period. Earnings per share of common stock—assuming dilution reflects the maximum potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock and would then share in the net income of the company. See note T, "Earnings Per Share of Common Stock," on page 83 for further discussion.

#### **B** Accounting Changes

### Standards Implemented

The company implemented new accounting standards in 1999, 1998 and 1997. None of these standards had a material effect on the financial position or results of operations of the company.

Effective January 1, 1999, the company adopted American Institute of Certified Public Accountants (AICPA) Statement of Position (SOP) 98-1, "Accounting for the Costs of Computer Software Developed or Obtained for Internal Use." The SOP requires a company to capitalize certain costs that are incurred to purchase or to create and implement internal use computer software. See note A, "Significant Accounting Policies" on pages 69 through 71 for a description of the company's policies for internal use software.

Effective December 31, 1998, the company adopted SFAS No. 131, "Disclosures about Segments of an Enterprise and Related Information," which establishes standards for reporting operating segments and disclosures about products and services, geographic areas and major customers. See note Y, "Segment Information," on pages 89 through 93 for the company's segment information. Effective December 31, 1998, the company adopted SFAS No. 132, "Employers' Disclosures about Pensions and Other Postretirement Benefits," which establishes standardized disclosures for defined benefit pension and postretirement benefit plans. See note W, "Retirement Plans," on pages 86 through 88 and note X, "Nonpension Postretirement Benefits," on pages 88 and 89 for the disclosures.

Effective January 1, 1998, the company adopted SFAS No. 130, "Reporting Comprehensive Income," which establishes standards for reporting and displaying in a full set of general-purpose financial statements the gains and losses not affecting retained earnings. The disclosures required by SFAS No. 130 are presented in the Accumulated gains and losses not affecting retained earnings section in the Consolidated Statement of Stockholders' Equity on pages 66 and 67 and in note N, "Stockholders' Equity Activity," on pages 78 and 79.

Effective January 1, 1998, the company adopted the AICPA SOP 97-2, "Software Revenue Recognition." This SOP provides guidance on revenue recognition for software transactions. See note A, "Significant Accounting Policies" on pages 69 through 71 for a description of the company's policy for software revenue recognition.

Effective December 31, 1997, the company implemented SFAS No. 128, "Earnings Per Share" (EPS). This statement prescribes the methods for calculating basic and diluted EPS and requires dual presentation of these amounts on the face of the Consolidated Statement of Earnings.

Effective January 1, 1997, the company implemented SFAS No. 125, "Accounting for Transfers and Servicing of Financial Assets and Extinguishments of Liabilities." This statement provides accounting and reporting standards for transfers and servicing of financial assets and extinguishments of liabilities.

# New Standards to be Implemented

In June 1999, the Financial Accounting Standards Board issued SFAS No. 137, "Accounting for Derivative Instruments and Hedging Activities – Deferral of the Effective Date of FASB Statement No. 133." This statement defers the effective date of SFAS No. 133, "Accounting for Derivative Instruments and Hedging Activities," to fiscal years beginning after June 15, 2000, although early adoption is encouraged. SFAS No. 133 establishes accounting and reporting standards for derivative instruments. It requires a company to recognize all derivatives as

either assets or liabilities in the statement of financial position and to measure those instruments at fair value. Additionally, the fair value adjustments will affect either stockholders' equity or net income depending on whether the derivative instrument qualifies as a hedge for accounting purposes and, if so, the nature of the hedging activity. The company will adopt this standard as of January 1, 2001. Management does not expect the adoption to have a material effect on the company's results of operations; however, the effect on the company's financial position depends on the fair values of the company's derivatives and related financial instruments at the date of adoption.

# C Common Stock Split

On January 26, 1999, the company's Board of Directors approved a two-for-one stock split effective May 10, 1999. On April 27, 1999, the stockholders of the company approved amendments to the Certificate of Incorporation to increase the number of authorized shares of common stock from 1,875 million to 4,687.5 million, which was required to effect that stock split. In addition, the amendment reduced the par value of the common shares from \$.50 to \$.20 per share. Common stockholders of record at the close of business on May 10, 1999, received one additional share for each share held. All share and per share data presented in the Consolidated Financial Statements and notes of this Annual Report reflect the two-for-one stock split.

# D Acquisitions/Divestitures

#### Acquisitions

In 1999, the company completed 17 acquisitions at a cost of approximately \$1.5 billion. Three of the major acquisitions for the year are detailed in the following discussion.

On September 24, 1999, the company acquired all of the outstanding capital stock of Sequent Computer Systems, Inc. (Sequent) for approximately \$828 million. Sequent was an acknowledged leader in systems based on NUMA (non-uniform memory access) architecture.

On September 29, 1999, the company acquired all of the outstanding stock of Mylex Corporation (Mylex) for approximately \$259 million. Mylex was a leading developer of technology for moving, storing, protecting and managing data in desktop and networked environments.

On September 27, 1999, the company acquired DASCOM, Inc. (DASCOM), an industry leader in Web-based and enterprise-security technology, for approximately \$115 million.

The company accounted for each acquisition as a purchase transaction. The effects of these acquisitions on the company's Consolidated Financial Statements were not material. Hence, the company has not provided pro forma financial statements as if the companies had combined at the beginning of the current period or the immediately preceding period.

The company engaged a nationally recognized independent appraisal firm to express an opinion on the fair value of the net assets that the company acquired to serve as a basis for the following allocation of the purchase price.

(Dollars in millions)	Sequent	Mylex	DASCOM
Purchase price	\$ 828	\$ 259	\$ 115
Tangible net assets (liabilities)	382	67	(17)
Identifiable intangible assets	187	35	13
Current technology	87	26	19
Goodwill	183	145	92
In-process research			
and development	85	7	19
Deferred tax liabilities			
related to identifiable			
intangible assets	(96)	(21)	(11)

The tangible net assets comprise primarily cash, accounts receivable, land, buildings and leasehold improvements. The identifiable intangible assets comprise primarily patents, trademarks, customer lists, assembled workforce, employee agreements and leasehold interests. The identifiable intangible assets and goodwill will be amortized on a straight-line basis over a fiveyear period.

In connection with the acquisitions of Sequent, Mylex and DASCOM, the company recorded a pre-tax charge for research, development and engineering of \$111 million (\$111 million after tax, or \$.06 per diluted common share) for acquired inprocess research and development (IPR&D). At the date of each acquisition, the IPR&D projects had not yet reached technological feasibility and had no alternative future uses. The value of the IPR&D reflects the relative value and contribution of the acquired research and development to the company's existing research or product lines. In January 1998, the company acquired Software Artistry, Inc., a leading provider of both consolidated service desk and customer relationship management solutions for distributed enterprise environments. In March 1998, the company acquired CommQuest Technologies, Inc., a company that designs and markets advanced semiconductors for wireless communications applications such as cellular phones and satellite communications. In connection with these acquisitions, the company recorded a pre-tax charge for IPR&D of \$111 million (\$111 million after tax, or \$.06 per diluted common share).

On April 16, 1997, the company purchased a majority interest in NetObjects, a leading provider of Web site development tools for designers and intranet developers. In 1999, as a result of NetObject's initial public offering, the company's interest declined to less than 50 percent. In September 1997, the company acquired the 30 percent equity interest held by Sears in Advantis, the U.S. network services arm of the company's Global Network. Advantis was then owned 100 percent by the company. Advantis became part of the company's Global Network, which the company sold to AT&T in 1999. In December 1997, the company acquired Eastman Kodak's share of Technology Service Solutions, which was formed in 1994 by the company and Eastman Kodak. In December 1997, the company acquired Unison Software, Inc., a leading developer of workload management software. In connection with these acquisitions the company recorded a pre-tax charge for IPR&D of \$111 million (\$111 million after tax, or \$.05 per diluted common share).

## Divestitures

In December 1998, the company announced that it would sell its Global Network business to AT&T. During 1999, the company completed the sale to AT&T for \$4,991 million. More than 5,300 IBM employees joined AT&T as a result of these sales of operations in 71 countries.

The company recognized a pre-tax gain of \$4,057 million (\$2,495 million after tax, or \$1.33 per diluted common share). The net gain reflects dispositions of Plant, rental machines and other property of \$410 million, other assets of \$182 million and contractual obligations of \$342 million.

# E Inventories

1999	1998
\$ 1,162	\$ 1,088
3,706	4,112
\$ 4,868	\$ 5,200
	\$ 1,162 3,706

## F Plant, Rental Machines and Other Property

(Dollars in millions)		
At December 31:	1999	1998
Land and land improvements	\$ 1,026	\$ 1,091
Buildings	10,395	11,088
Plant, laboratory and office equipment	22,503	27,025
	33,924	39,204
Less: Accumulated depreciation	19,268	22,463
	14,656	16,741
Rental machines	5,692	5,666
Less: Accumulated depreciation	2,758	2,776
	2,934	2,890
Total	\$ 17,590	\$ 19,631

G Investments and Sundry Assets		
(Dollars in millions)		
At December 31:	1999	1998
Net investment in sales-type leases*	\$ 14,201	\$ 14,384
Less: Current portion-net	6,220	6,510
	7,981	7,874
Deferred taxes	2,654	2,921
Prepaid pension assets	5,636	4,836
Customer loan receivables –		
not yet due	4,219	3,499
Installment payment receivables	848	1,087
Alliance investments:		
Equity method	595	420
Other-available for sale	1,439	138
Goodwill, less accumulated amortization	1	
(1999, \$2,646; 1998, \$2,111)	1,045	945
Marketable securities – non-current	113	281
Other investments and sundry assets	1,557	1,509
Total	\$ 26,087	\$ 23,510

<sup>\*</sup> These leases relate principally to IBM equipment and are generally for terms ranging from three to five years. Net investment in sales-type leases includes unguaranteed residual values of approximately \$737 million and \$685 million at December 31, 1999 and 1998, respectively, and is reflected net of unearned income at those dates of approximately \$1,600 million for both years. Scheduled maturities of minimum lease payments outstanding at December 31, 1999, expressed as a percentage of the total, are approximately as follows: 2000, 49 percent; 2001, 32 percent; 2002, 14 percent; 2003, 4 percent; and 2004 and beyond, 1 percent.

International Business Machines Corporation and Subsidiary Companies

# H Lines of Credit

The company maintains a \$10.0 billion global credit facility. The company's other committed and uncommitted lines of credit were \$5.5 billion and \$5.2 billion at December 31, 1999 and 1998, respectively. Interest rates and other terms of borrowing under these lines of credit vary from country to country depending on local market conditions at the time of the borrowing.

(Dollars in billions)		
At December 31:	1999	1998
Unused Lines		
From the global credit facility	\$ 8.6	\$ 8.8
From other committed and		
uncommitted lines	4.5	4.3
Total unused lines of credit	\$ 13.1	\$ 13.1

## Sale and Securitization of Receivables

The company manages assets of \$273 million and \$864 million from the securitization of loans, leases and trade receivables, at year-end 1999 and 1998, respectively. The company received cash proceeds of \$1,311 million and \$2,425 million in 1999 and 1998, respectively, from the sale and securitization of these receivables and assets. No significant gain or loss resulted from these transactions. The company expects recourse amounts associated with the aforementioned sale and securitization activities to be minimal, and has adequate reserves to cover potential losses.

# J Debt

# Short-term debt

(Dollars in millions)		
At December 31:	1999	1998
Commercial paper	\$ 5,074	\$ 4,885
Short-term loans	3,351	6,370
Long-term debt: Current maturities	5,805	2,650
Total	\$ 14,230	\$ 13,905

The weighted-average interest rates for commercial paper at December 31, 1999 and 1998, were 5.9 percent and 5.7 percent, respectively. The weighted-average interest rates for short-term loans at December 31, 1999 and 1998, were 4.0 percent and 5.3 percent, respectively.

# Long-term debt

(Dollars in millions)			
At December 31:	Maturities	1999	1998
U.S. Dollars:			
Debentures:			
6.22%	2027	\$ 500	\$ 500
6.5%	2028	700	700
7.0%	2025	600	600
7.0%	2045	150	150
7.125%	2096	850	850
7.5%	2013	550	550
8.375%	2019	750	750
Notes: 6.3% average	2000-2014	4,191	2,695
Medium-term note			
program: 5.8% average	2000-2014	6,230	4,885
Other: 6.5% average	2000-2012	1,227	1,514
		15,748	13,194
Other currencies			
(average interest rate			
at December 31, 1999,			
in parentheses):			
Japanese yen (3.0%)	2000-2014	3,141	3,866
Canadian dollars (5.7%)	2000-2005	707	672
German marks (4.9%)	2002	103	120
Swiss francs (2.5%)	2001	78	91
U.K. pounds (7.0%)	2000-2003	33	25
Other (13.6%)	2000-2014	159	221
		19,969	18,189
Less: Net unamortized			
discount		40	31
		19,929	18,158
Less: Current maturities		5,805	2,650
Total		\$ 14,124	\$ 15,508

Annual maturities in millions of dollars on long-term debt outstanding at December 31, 1999, are as follows: 2000, \$5,805; 2001, \$2,915; 2002, \$2,659; 2003, \$1,234; 2004, \$489; 2005 and beyond, \$6,867.

# K Interest on Debt

Interest paid and accrued on borrowings of the company and its subsidiaries was \$1,475 million in 1999, \$1,585 million in 1998 and \$1,596 million in 1997. Of these amounts, the company capitalized \$23 million in 1999, \$28 million in 1998 and \$32 million in 1997. Of the remainder, the company charged to the cost of financing \$725 million in 1999, \$844 million in 1998 and \$836 million in 1997, and to interest expense \$727 million in 1999, \$713 million in 1998 and \$728 million in 1997. The decrease in total interest in 1999 versus 1998 was due primarily to lower average interest rates, partially offset by an increase in average debt outstanding during 1999. The decrease in 1998 versus 1997 was due primarily to lower average interest rates, partially offset by higher outstanding average debt. The average effective interest rate for total debt was 5.1 percent, 5.7 percent and 6.4 percent in 1999, 1998 and 1997, respectively. These rates include the results of currency and interest rate swaps applied to the debt described in note J, "Debt," on page 74.

# L Financial Instruments

The company maintains on- and off-balance sheet portfolios of financial instruments.

# Financial Instruments On-Balance Sheet (excluding derivatives)

Financial assets with carrying values that approximate fair value include cash and cash equivalents, marketable securities, notes and other accounts receivable and other investments. Financial liabilities with carrying values that approximate fair value include accounts payable and other accrued expenses and liabilities, and short-term and long-term debt. The following table summarizes the company's marketable securities, all of which are considered available for sale.

# MARKETABLE SECURITIES\*

(Dollars in millions)	Fair Value		alue
At December 31:		1999	1998
Current marketable securities:			
U.S. government securities	\$	15	\$ 15
Time deposits and other bank obligations		746	335
Non-U.S. government securities and			
other fixed-term obligations		27	43
Total	\$	788	\$ 393
Marketable securities—non-current:**			
Time deposits and other bank obligations	\$	105	\$ 271
Non-U.S. government securities and			
other fixed-term obligations		8	10
Total	\$	113	\$ 281
Alliance investments**	\$	1,439	\$ 138

\* Gross unrealized gains (before taxes) on marketable securities were \$1,310 million and \$87 million at December 31, 1999 and 1998, respectively. Gross unrealized losses (before taxes) on marketable securities were \$7 million and \$8 million at December 31, 1999 and 1998, respectively.

\*\*Included within Investments and sundry assets on the Consolidated Statement of Financial Position. (See note G on page 73.)

# Financial Instruments Off-Balance Sheet (excluding derivatives)

IBM has guaranteed certain loans and financial commitments of its affiliates. The approximate amount of these financial guarantees was \$1.2 billion at December 31, 1999 and 1998.

The company's dealers had unused lines of credit available from IBM for working capital financing of approximately \$4.5 billion and \$3.6 billion at December 31, 1999 and 1998, respectively.

The company enters into contracts that effectively provide the company with committed future borrowings in select foreign currencies. The aggregate notional value of these contracts was \$6.4 billion and \$3.0 billion as of December 31, 1999 and 1998, respectively. The terms of these contracts generally are less than eighteen months. Foreign exchange gains and losses associated with these contracts are recorded in net income as they are realized. These amounts have not been and are not expected to be material to the company's financial results.

## **Derivative Financial Instruments**

The company uses derivative financial instruments as an element of its risk management strategy. The company manages the risk of nonperformance by counterparties by establishing explicit dollar and term limitations that correspond to the credit rating of each carefully selected counterparty. The company has not sustained a material loss from these instruments nor does it anticipate any material adverse effect on its results of operations or financial position in the future.

The following table summarizes the notional value, carrying value and fair value of the company's derivative financial instruments on- and off-balance sheet. The notional value at December 31 provides an indication of the extent of the company's involvement in these instruments at that time, but does not represent exposure to credit, interest rate or foreign exchange rate market risks.

	At December 31, 1999			At I	At December 31, 1998		
(Dellars in millions)	Notional Value	Carrying Value	Fair Value	Notional Value	Carrying Value	Fair Value	
(Dollars in millions)	value	value	value	value	value	value	
Interest rate and currency contracts	\$ 29,830	\$ (257)	\$ (491)	\$ 31,484	\$ (485)	\$ (427)	
Option contracts	1,705	59	54	9,021	67	45	
Total	\$ 31,535	\$ (198)	\$ (437)*	\$ 40,505	\$ (418)	\$ (382)*	

Amounts in parentheses are liabilities.

\* The estimated fair value of derivatives both on- and off-balance sheet at December 31, 1999 and 1998, comprises assets of \$616 million and \$486 million

and liabilities of \$1,053 million and \$868 million, respectively.

A significant portion of the company's derivative transactions relates to matching the interest and foreign currency rate profiles of funding liabilities with the interest and foreign currency rate profiles of global financing and other market risk sensitive assets. The company issues debt, using the most efficient capital markets and products, which may result in a currency or interest rate mismatch with the underlying assets. The company uses interest rate swaps or currency swaps to match the interest rate and currency profiles of its debt to the related assets. The terms of these swap contracts generally are less than five years. Net interest settlements and currency rate differentials that accrue under interest rate and currency swap contracts, respectively, are recognized in interest expense over the life of the contracts. The company uses its Global Treasury Centers to manage the cash of its subsidiaries. These treasury centers principally use currency swaps to convert cash flows in a cost-effective manner, predominantly for the company's European subsidiaries. The terms of the swaps generally are less than one year. The interest rate differential in these contracts is recognized in interest expense over the life of the contracts.

The company also uses currency swaps and other foreign currency contracts to hedge the foreign currency exposures of certain of the company's net investments in foreign subsidiaries. The currency effects of these hedges are reflected in the Accumulated gains and losses not affecting retained earnings section of stockholders' equity thereby offsetting a portion of the translation of the net foreign assets. The company also uses derivatives to limit its exposure to loss resulting primarily from fluctuations in foreign currency exchange rates on anticipated cash transactions among foreign subsidiaries and with the parent company. The company receives significant intracompany royalties and net payments for goods and services from its non-U.S. subsidiaries. In anticipation of these foreign currency flows, and in view of the volatility of the currency markets, the company selectively employs foreign currency derivatives to manage its currency risk. The terms of these instruments generally are less than eighteen months.

For purchased options that hedge qualifying anticipated transactions, gains and losses are deferred and recognized in net income in the same period that the underlying transaction occurs, expires or otherwise is terminated. At December 31, 1999 and 1998, there were no material deferred gains or losses. The premiums associated with entering into these option contracts generally are amortized over the life of the options and are not material to the company's results. Unamortized premiums are recorded in prepaid assets. Gains and losses on purchased options that hedge anticipated transactions that do not qualify for hedge accounting, and on written options, are recorded in earnings as they occur and are not material to the company's results.

# M Other Liabilities and Environmental Remediation

Other liabilities principally comprises accruals for nonpension postretirement benefits for U.S. employees (\$6,392 million) and nonpension postretirement benefits, indemnity and retirement plan reserves for non-U.S. employees (\$1,028 million). More detailed discussion of these liabilities appears in note X, "Nonpension Postretirement Benefits," on pages 88 and 89, and note W, "Retirement Plans," on pages 86 through 88. Also included in other liabilities are non-current liabilities associated with infrastructure reduction and restructuring actions taken through 1993. Other liabilities includes \$659 million for postemployment preretirement accruals and \$503 million (net of sublease receipts) for accruals for leased space that the company vacated.

The company employs extensive internal environmental protection programs that primarily are preventive in nature. The cost of these ongoing programs is recorded as incurred.

The company continues to participate in environmental assessments and cleanups at a number of locations, including operating facilities, previously owned facilities and Superfund sites. The company accrues for all known environmental liabilities when it becomes probable that the company will incur clean-up costs and those costs can reasonably be estimated. In addition, estimated environmental costs that are associated with postclosure activities (for example, the removal and restoration of chemical storage facilities and monitoring) are accrued when the decision is made to close a facility. The total amounts accrued, which do not reflect actual or anticipated insurance recoveries, were \$240 million and \$238 million at December 31, 1999 and 1998, respectively.

The amounts accrued do not cover sites that are in the preliminary stages of investigation; that is, for which neither the company's percentage of responsibility nor the extent of cleanup required has been identified. Estimated environmental costs are not expected to materially affect the financial position or results of the company's operations in future periods. However, estimates of future costs are subject to change due to protracted cleanup periods and changing environmental remediation regulations.

# N Stockholders' Equity Activity

#### Stock Repurchases

From time to time, the Board of Directors authorizes the company to repurchase IBM common stock. The company repurchased 71,618,800 common shares at a cost of \$7.3 billion and 114,768,200 common shares at a cost of \$6.9 billion in 1999 and 1998, respectively. In 1999, the company did not retire the shares it repurchased. The 1998 repurchases resulted in a reduction of \$28,498,409 in the stated capital (par value) associated with common stock. In 1998, the company retired the repurchased shares and restored them to the status of authorized but unissued shares. In 1999 and 1998, the company issued 906,829 and 774,564 shares, respectively, as a result of exercises of employee stock options. At December 31, 1999, approximately \$2.5 billion of Board authorization for repurchases remained. The company plans to purchase shares on the open market from time to time, depending on market conditions.

In 1995, the Board of Directors authorized the company to purchase all of its outstanding Series A 7-1/2 percent preferred stock. The company did not repurchase any shares in 1999. During 1998, the company repurchased 51,250 shares at a cost of \$5.5 million. This resulted in a \$512.50 (\$.01 par value per share) reduction in the stated capital associated with preferred stock as of December 31, 1998. The company retired the

Accumulated Gains and Losses Not Affecting Retained Earnings

repurchased shares and restored them to the status of authorized but unissued shares. The company plans to purchase the remaining outstanding shares on the open market and in private transactions from time to time, depending on market conditions. There were 2,546,011 shares outstanding at December 31, 1999 and 1998.

# **Employee Benefits Trust**

Effective November 1, 1997, the company created an employee benefits trust to which it contributed 20 million shares of treasury stock. The company is authorized to instruct the trustee to sell shares from time to time and to use proceeds from those sales, and any dividends paid on the contributed stock, toward the partial satisfaction of the company's future obligations under certain of its compensation and benefits plans. The shares held in trust are not considered outstanding for purposes of calculating earnings per share until they are committed to be released. The trustee will vote the shares in accordance with its fiduciary duties. As of December 31, 1999 and 1998, the company had not committed any shares to be released.

At December 31, 1998, the company adjusted its valuation of the employee benefits trust to fair value. This adjustment affected only line items within stockholders' equity; it did not affect total stockholders' equity or net income.

(Dollars in millions)	Foreign Currency Items*	Net Unrealized Gains (Losses) on Marketable Securities*	Total Gains and Losses Not Affecting Retained Earnings*
Beginning balance, January 1, 1997	\$ 2,401	\$ 168	\$ 2,569
Change for period	(1,610)	(60)	(1,670)
Ending balance, December 31, 1997	791	108	899
Change for period	69	(57)	12
Ending balance, December 31, 1998	860	51	911
Change for period	(546)	796	250
Ending balance, December 31, 1999	\$ 314	\$ 847	\$ 1,161

\* Net of tax.

# NET CHANGE IN UNREALIZED GAINS (LOSSES) ON MARKETABLE SECURITIES (NET OF TAX)

(Dollars in millions)		
For the year ended December 31:	1999	1998*
Net unrealized gains arising		
during the period	\$ 943	\$ 44
Less net gains included		
in net income for the period	147	101
Net increase in net unrealized		
gains on marketable securities	\$ 796	\$ (57)

\* Restated to present amounts net of tax.

# O Contingencies

The company is subject to a variety of claims and suits that arise from time to time in the ordinary course of its business, including actions with respect to contracts, intellectual property, product liability and environmental matters. The company does not believe that any current action will have a material effect on the company's business, financial condition or results of operations.

# P Taxes

#### (Dollars in millions)

For the year ended December 31:	1999	1998	1997
Income before income taxes:			
U.S. operations	\$ 5,892	\$ 2,960	\$ 3,193
Non-U.S. operations	5,865	6,080	5,834
	\$ 11,757	\$ 9,040	\$ 9,027

The provision for income taxes

by geographic operations

Non-U.S. operations Total provision for income taxes	\$	2,040		1,721 2.712		1,960 2.934
U.S. operations	≯	2,005	1.1		1	
is as follows:	*	0.005	*	001		074

The components of the provision for income taxes by taxing jurisdiction are as follows:

(Dollars in millions)			
For the year ended December 31:	1999	1998	1997
U.S. federal:			
Current	\$ 1,759	\$ 1,117	\$ 163
Deferred	(427)	(475)	349
	1,332	642	512
U.S. state and local:			
Current	272	139	83
Deferred	7	(260)	(87)
	279	(121)	(4)
Non-U.S.:			
Current	2,727	2,062	2,330
Deferred	(293)	129	96
	2,434	2,191	2,426
Total provision for income taxes	4,045	2,712	2,934
Provision for social security,			
real estate, personal property			
and other taxes	2,831	2,859	2,774
Total provision for taxes	\$ 6,876	\$ 5,571	\$ 5,708

The effect of tax law changes on deferred tax assets and liabilities did not have a significant effect on the company's effective tax rate. The significant components of activities that gave rise to deferred tax assets and liabilities that are recorded on the balance sheet were as follows:

# **DEFERRED TAX ASSETS**

# (Dollars in millions)

At December 31:	1999	1998
Employee benefits	\$ 3,737	\$ 3,909
Alternative minimum tax credits	1,244	1,169
Bad debt, inventory and		
warranty reserves	1,093	1,249
Infrastructure reduction charges	918	863
Capitalized research and development	880	913
Deferred income	870	686
General business credits	605	555
Foreign tax loss carryforwards	406	304
Equity alliances	377	387
Depreciation	326	201
State and local tax loss carryforwards	227	212
Intracompany sales and services	153	182
Other	2,763	2,614
Gross deferred tax assets	13,599	13,244
Less: Valuation allowance	647	488
Net deferred tax assets	\$ 12,952	\$ 12,756

#### DEFERRED TAX LIABILITIES

(Dollars in millions)

At December 31:	1999	1998
Retirement benefits	\$ 3,092	\$ 2,775
Sales-type leases	2,914	3,433
Depreciation	1,237	1,505
Software costs deferred	250	287
Other	2,058	1,841
Gross deferred tax liabilities	\$ 9,551	\$ 9,841

The valuation allowance at December 31, 1999, principally applies to certain state and local and foreign tax loss carryforwards that, in the opinion of management, are more likely than not to expire before the company can use them. A reconciliation of the company's effective tax rate to the statutory U.S. federal tax rate is as follows:

For the year ended December 31:	1999	1998	1997
Statutory rate	35%	35%	35%
Foreign tax differential	(2)	(6)	(3)
State and local	1	1	1
Valuation allowance			
related items	_	(1)	_
Other	_	1	_
Effective rate	34%	30%	33%

For tax return purposes, the company has available tax credit carryforwards of approximately \$1,919 million, of which \$1,244 million have an indefinite carryforward period, \$199 million expire in 2004 and the remainder thereafter. The company also has state and local and foreign tax loss carryforwards, the tax effect of which is \$633 million. Most of these carryforwards are available for 10 years or have an indefinite carryforward period.

Undistributed earnings of non-U.S. subsidiaries included in consolidated retained earnings were \$14,900 million at December 31, 1999, \$13,165 million at December 31, 1998, and \$12,511 million at December 31, 1997. These earnings, which reflect full provision for non-U.S. income taxes, are indefinitely reinvested in non-U.S. operations or will be remitted substantially free of additional tax.

# Q Selling and Advertising

Selling and advertising expense is charged against income as incurred. Advertising expense, which includes media, agency and promotional expenses, was \$1,758 million, \$1,681 million and \$1,708 million in 1999, 1998 and 1997, respectively.

# R 1999 Actions

#### Technology Group Actions

During 1999, the company implemented actions that were designed to better align the operations and cost structure of IBM's Technology Group with that group's strategic direction in view of the competitive environment, overcapacity in the industry and resulting pricing pressures. The actions affect the Microelectronics Division (MD), the Storage Systems Division (SSD) and the Networking Hardware Division (NHD) of the company's Technology Group. The company expects these actions to be substantially completed by the first half of 2000.

In total, the Technology Group actions resulted in a charge of \$1,690 million (\$1,366 million after tax, or \$.73 per diluted common share) as described below and in the table on page 82.

The actions within MD addressed a prolonged, industry-wide downturn in memory chip prices that affected the results of the company's semiconductor business. They are intended to enable the company to (1) reconfigure the assets and capabilities of the division to allow more focus on the faster-growth, highermargin custom logic portion of the MD business and (2) enhance its ability to more cost effectively manage a partnership agreement that was formed to produce complementary metal oxide semiconductor (CMOS) based logic components.

The company will reduce its internal dynamic random access memory (DRAM) capacity by converting its manufacturing facility in Essonnes, France, from DRAM to custom logic over an 18month period. The company is effecting that conversion through a joint venture with Infineon Technologies, a subsidiary of Siemens AG. Also related to DRAM, the company executed contracts with various banks and other financing institutions to sell and lease back test equipment. The company also participates in a 50/50 joint venture (Dominion Semiconductor Company) with Toshiba Corporation to produce DRAM memory components. The company entered into an agreement whereby Toshiba will assume the company's interest in Dominion effective December 31, 2000. The company will participate in the capacity output of Dominion at a significantly reduced rate in the interim period.

The company held a majority interest in a joint venture (MiCRUS) with Cirrus Logic Inc. (the partner) to produce CMOS-based logic components for IBM and its partner based on contractual capacity agreements. The partner indicated that it would not require the output capacity that is provided for in the partnership agreement. The company determined that the most cost-effective manner in which to address the partner's desire to exit the partnership agreement was to acquire the minority interest held by that partner.

The company also announced aggressive steps intended to improve its competitive position in the markets that SSD serves by merging server hard disk drive (HDD) product lines and realigning operations. The company is integrating all server HDDs into a single low-cost design platform that uses common development and manufacturing processes. The company continues to transfer manufacturing assembly and test operations to Hungary and Mexico and expects to complete these actions by mid 2000.

The actions within NHD relate to a global alliance with Cisco Systems, Inc. As a result of the announcement of the alliance, demand for the router and switch products from both existing and new customers deteriorated. International Business Machines Corporation and Subsidiary Companies

The following table identifies the significant components of the pre-tax charge related to the 1999 actions as well as the after-tax charges and the effect on earnings per share assuming dilution; the investments and other asset write-downs in 1999; and the liability as of December 31, 1999:

	Total Pre-Tax	After-Tax	Effect on Earnings per Share– Assuming	Investments and Other Asset	Liability Created	Liability as of
(Dollars in millions except per share amounts)	Charges*	Charges	Dilution	Write-Downs	in 1999	Dec. 31, 1999
Technology Group						
MD Actions:						
DRAM						
Equipment (1)	\$ 662	\$ 603	\$.32	\$ 662	\$ —	\$ —
Employee Terminations <sup>(2)</sup>	167	167	.09	—	167	149
Dominion Investment (3)	171	104	.05	171	_	_
MiCRUS Investment (4)	152	92	.05	_	152	152
SSD Actions:						
Equipment (5)	337	277	.15	337	_	_
Employee Terminations (6)	23	14	.01	_	23	7
NHD Action:						
Inventory Write-downs and						
Contract Cancellations (7)	178	109	.06	178	_	_
Total 1999 Actions	\$ 1,690	\$ 1,366	\$ .73	\$ 1,348	\$ 342	\$ 308

\* With the exception of NHD inventory write-downs, all charges were recorded in Selling, general and administrative expense. NHD inventory write-downs were recorded in Hardware cost.

(1) Represents (a) the difference between net book value and fair value of assets that were contributed to a joint venture, (b) the book value of assets that were idled as a result of the MD actions and that were scrapped and (c) the difference between the net book value and the appraised fair value of test equipment subject to sale-leaseback agreements.

(2) Workforce reductions that affect approximately 790 employees (455 direct manufacturing and 335 indirect manufacturing) in France. The workforce reductions are expected to be substantially completed by the end of the first quarter of 2000.

(3) Write-off of investment in joint venture at the signing of the agreement with Toshiba Corporation.

(4) Acquisition of minority interest in MiCRUS and charges for equipment leasehold cancellation liabilities and lease rental payments for idle equipment.

(5) Represents (a) the book value of assets that were idled as a result of the SSD actions and scrapped, (b) write-downs to fair value of equipment under contract for sale and delivery by December 31, 1999, and March 31, 2000, and (c) the difference between the net book value and the appraised fair value of equipment subject to sale-leaseback agreements.

(6) Workforce reductions that affect approximately 900 employees (780 direct manufacturing and 120 indirect manufacturing) in the United States. There are 210 terminations remaining in the first half of 2000.

(7) Write-down to net realizable value of inventory of router and switch products (\$144 million) and contract cancellation fees (\$34 million) related to deterioration in demand for router and switch products.

#### Change in Estimate

As a result of a change in estimate of the useful life of personal computers (PCs) from five years to three years, the company recognized a charge in the second quarter of 1999 of \$404 million (\$241 million after tax, \$.13 per diluted common share). In the second quarter, the company wrote off the net book value of PCs that were 3 years or older and, therefore, had no remaining useful life. The remaining book value of the assets will be depreciated over the remaining new useful life. The net effect on future operations is expected to be minimal as the increased depreciable base attributable to the write-off of PCs older than three years.

## S Research, Development and Engineering

Research, development and engineering expense was \$5,273 million in 1999, \$5,046 million in 1998 and \$4,877 million in 1997. Expenses for product-related engineering included in these amounts were \$698 million, \$580 million and \$570 million in 1999, 1998 and 1997, respectively.

The company had expenses of \$4,575 million in 1999, \$4,466 million in 1998 and \$4,307 million in 1997 for basic scientific research and the application of scientific advances to the development of new and improved products and their uses. Of these amounts, software-related expenses were \$2,036 million, \$2,086 million and \$2,016 million in 1999, 1998 and 1997, respectively. Included in the expense each year are charges for acquired in-process research and development. See note D, "Acquisitions/Divestitures" on pages 72 and 73 for further information about that expense.

# T Earnings Per Share of Common Stock

The following table sets forth the computation of basic and diluted earnings per share of common stock.

For the year ended December 31:	1999	1998	1997
Number of shares on which basic earnings per share is calculated:			
Weighted-average shares outstanding during year	1,808,538,346	1,869,005,570	1,966,572,722
Add-Incremental shares under stock compensation plans	59,344,849	51,124,900	55,297,162
Add-Incremental shares associated with contingently issuable shares	3,190,717	_	
Number of shares on which diluted earnings per share is calculated	1,871,073,912	1,920,130,470	2,021,869,884
Net income applicable to common stockholders (millions)	\$ 7,692	\$ 6,308	\$ 6,073
Add-net income applicable to contingently issuable shares (millions)	11	—	
Net income on which diluted earnings per share is calculated (millions)	\$ 7,703	\$ 6,308	\$ 6,073
Earnings per share of common stock:			
Assuming dilution	\$ 4.12	\$ 3.29	\$ 3.00
Basic	\$ 4.25	\$ 3.38	\$ 3.09

Stock options to purchase 27,355,056 common shares in 1999, 4,124,730 shares in 1998 and 331,666 shares in 1997 were outstanding, but were not included in the computation of diluted earnings per share because the exercise price of the options was greater than the average market price of the common shares and, therefore, the effect would have been antidilutive. In addition, 5,131,038 restricted stock units in 1998 relating to the company's Long Term Performance Plan were not included in the computation of diluted earnings per share as their effect would have been antidilutive. Net income applicable to common stockholders excludes preferred stock dividends of \$20 million for 1999, 1998 and 1997.

# U Rental Expense and Lease Commitments

Rental expense, including amounts charged to inventories and fixed assets and excluding amounts previously reserved, was \$1,397 million in 1999, \$1,431 million in 1998 and \$1,280 million in 1997. The table below depicts (a) gross minimum rental commitments under noncancelable leases, including amounts related to vacant space associated with infrastructure reduction and restructuring actions taken through 1993 (previously reserved), and (b) offsetting sublease income commitments. These amounts generally reflect activities related to office space and manufacturing equipment.

						Beyond
(Dollars in millions)	2000	2001	2002	2003	2004	2004
Gross rental commitments	\$ 1,314	\$ 1,143	\$ 982	\$ 769	\$ 469	\$ 1,213
Vacant space	219	168	122	75	41	130
Sublease income commitments	124	91	71	48	34	62

# V Stock-Based Compensation Plans

The company applies Accounting Principles Board (APB) Opinion No. 25, "Accounting for Stock Issued to Employees," and related Interpretations in accounting for its stock-based compensation plans. A description of the terms of the company's stock-based compensation plans follows:

## Long-Term Performance Plan

Incentive awards are provided to officers and other key employees under the terms of the IBM 1999 Long-Term Performance Plan, which was approved by stockholders in April 1999, the IBM 1997 Long-Term Performance Plan, which was approved by stockholders in April 1997, and its predecessor plan, the IBM 1994 Long-Term Performance Plan ("the Plans"). The Plans are administered by the Executive Compensation and Management Resources Committee of the Board of Directors. The committee determines the type and terms of the awards to be granted, including vesting provisions.

Awards may include stock options, stock appreciation rights, restricted stock, cash or stock awards, or any combination thereof. The number of shares that may be issued under the IBM 1999 Long-Term Performance Plan is 118.7 million, which

was 6.5 percent of the company's outstanding common stock on February 10, 1999. No shares were issued under this Plan during 1999. There were 33.7 million and 68.8 million unused shares available to be granted under the IBM 1997 Long-Term Performance Plan as of December 31, 1999 and 1998, respectively. As of December 31, 1999, there were no unused shares under the IBM 1994 Long-Term Performance Plan. There were 4.1 million shares available to be granted under that Plan as of December 31, 1998.

With the exception of stock options, these awards (which are expressed in terms of shares) are adjusted to fair value at the end of each period and the change in value is included in net income. Awards under the Plans resulted in compensation expense of \$267.3 million, \$322.4 million and \$214.1 million in 1999, 1998 and 1997, respectively.

## STOCK OPTION GRANTS

Stock options are granted to employees at an exercise price equal to the fair market value of the company's stock at the date of grant. Generally, options vest 25 percent per year, are fully vested four years from the grant date and have a term of 10 years. The following tables summarize option activity under the Plans during 1999, 1998 and 1997:

	1999		1998		1997	
	Wtd. Avg. Exercise Price	No. of Shares under Option	Wtd. Avg. Exercise Price	No. of Shares under Option	Wtd. Avg. Exercise Price	No. of Shares under Option
Balance at January 1	\$ 36	131,443,850	\$ 27	123,456,722	\$ 22	122,870,644
Options granted	115	42,786,845	53	41,175,350	36	42,942,456
Options exercised	28	(23,160,228)	22	(29,633,476)	21	(39,260,010)
Options canceled/expired	61	(4,933,944)	36	(3,554,746)	28	(3,096,368)
Balance at December 31	\$ 60	146,136,523	\$ 36	131,443,850	\$ 27	123,456,722
Exercisable at December 31	\$ 29	51,599,735	\$ 22	46,191,636	\$ 19	53,239,096

The shares under option at December 31, 1999, were in the following exercise price ranges:

	0	ptions Outstandin	Options Currently Exercisable		
Exercise Price Range	No. of Options	Wtd. Avg. Exercise Price	Wtd. Avg. Remaining Contractual Life (in years)	No. of Options	Wtd. Avg. Exercise Price
\$ 10 - 40	64,827,422	\$ 28	6	42,694,829	\$ 24
\$ 41 – 70	37,007,973	52	8	8,234,965	52
\$ 71 – 100	17,135,848	87	9	664,991	76
\$ 101 and over	27,165,280	127	10	4,950	126
	146,136,523	\$ 60		51,599,735	\$ 29

## IBM Employees Stock Purchase Plan

The IBM Employees Stock Purchase Plan (ESPP) enables substantially all regular employees to purchase full or fractional shares of IBM common stock through payroll deductions of up to 10 percent of eligible compensation. The price an employee pays is 85 percent of the average market price on the last day of the applicable pay period. The stockholders approved the current plan in 1995. Approximately 57.3 million, 63.0 million and 71.0 million reserved unissued shares were available for purchase under the ESPP at December 31, 1999, 1998 and 1997, respectively.

During 1999, 1998 and 1997, employees purchased 5.7 million, 8.0 million and 9.4 million shares, respectively, all of which were

treasury shares, and paid to IBM \$514 million, \$415 million and \$354 million, respectively, for these shares.

#### Pro Forma Disclosure

In accordance with APB Opinion No. 25, the company does not recognize expense for stock options granted under the Plans or for employee stock purchases under the ESPP. SFAS No. 123, "Accounting for Stock-Based Compensation," requires a company to determine the fair market value of all awards of stock-based compensation using an option-pricing model and to disclose pro forma net income and earnings per share as if the resulting stock-based compensation amounts were recorded in the Consolidated Statement of Earnings. The table below presents these pro forma disclosures.

	1999		199	8	1997			
(Dollars in millions except per share amounts)	As reported	Pro forma	As reported	Pro forma	As reported	Pro forma		
Net income applicable to								
common shareholders	\$ 7,692	\$ 7,044	\$ 6,308	\$ 5,985	\$ 6,073	\$ 5,866		
Earnings per share of								
common stock—assuming dilution	\$ 4.12	\$ 3.78	\$ 3.29	\$ 3.12	\$ 3.00	\$ 2.91		
Earnings per share of								
common stock-basic	\$ 4.25	\$ 3.89	\$ 3.38	\$ 3.20	\$ 3.09	\$ 2.98		

The pro forma amounts that are disclosed in accordance with SFAS 123 reflect the portion of the estimated fair value of awards that was earned in 1999, 1998 and 1997.

The company used the Black-Scholes model to value the stock options that it granted in 1999, 1998 and 1997. The assumptions that the company used to estimate the fair value of the options and the weighted-average estimated fair value of an option on the date of grant are as follows:

	1999	1998	1997
Term (years)*	5/6	5/6	5/6
Volatility**	27.3%	<b>26.4</b> %	23.0%
Risk-free interest rate (zero			
coupon U.S. treasury note)	6.6%	5.1%	<b>6.2</b> %
Dividend yield	0.4%	0.8%	1.0%
Weighted-average fair			
value per option	\$46	\$ 18	\$ 13

\* Option term is 5 years for tax incentive options and 6 years for non-tax incentive options.

\*\* To determine volatility, the company measured the daily price changes of the stock over the last 5- and 6-year periods for tax incentive options and non-tax incentive options, respectively.

# W Retirement Plans

The company and its subsidiaries have defined benefit and defined contribution retirement plans that cover substantially all regular employees, and a supplemental retirement plan that covers certain executives.

The changes in the benefit obligations and plan assets of the U.S. and material non-U.S. defined benefit plans for 1999 and 1998 were as follows:

	U.S.	Plan	Non-U.S	S. Plans
(Dollars in millions)	1999	1998	1999	1998
Change in benefit obligation:				
Benefit obligation at beginning of year	\$ 36,561	\$ 33,161	\$ 22,048	\$ 18,846
Service cost	566	532	475	399
Interest cost	2,404	2,261	1,282	1,213
Plan participants' contributions	_	—	29	29
Acquisitions/divestitures, net	68	22	(47)	—
Amendments	75	—	—	2
Actuarial (gains) losses	(2,766)	2,729	522	1,331
Benefits paid from trust	(2,474)	(2,144)	(737)	(683)
Direct benefit payments	_	—	(257)	(254)
Foreign exchange impact	_	—	(1,552)	1,155
Plan curtailments/settlements/termination benefits	_	—	7	10
Benefit obligation at end of year	34,434	36,561	21,770	22,048
Change in plan assets:				
Fair value of plan assets at beginning of year	41,593	38,475	25,294	21,841
Actual return on plan assets	6,397	5,240	5,184	2,400
Employer contribution	_	—	143	452
Acquisitions/divestitures, net	68	22	(36)	—
Plan participants' contributions	_	—	29	29
Benefits paid from trust	(2,474)	(2,144)	(737)	(683)
Foreign exchange impact	_	—	(1,995)	1,283
Settlements	—	_	(39)	(28)
Fair value of plan assets at end of year	45,584	41,593	27,843	25,294
Fair value of plan assets in excess of				
benefit obligation	11,150	5,032	6,073	3,246
Unrecognized net actuarial gains	(7,003)	(1,289)	(4,597)	(2,342)
Unrecognized prior service costs	269	174	140	181
Unrecognized net transition asset	(632)	(771)	(72)	(78)
Adjustment to recognize minimum liability	—	—	(84)	(87)
Net prepaid pension asset recognized in the				
Consolidated Statement of Financial Position	\$ 3,784	\$ 3,146	\$ 1,460	\$ 920

#### U.S. Plan

U.S. regular, full-time and part-time employees are covered by a noncontributory plan that is funded by company contributions to an irrevocable trust fund, which is held for the sole benefit of participants.

Effective July 1, 1999, IBM converted to a new formula, the Personal Pension Account (PPA), for determining pension benefits for most of its employees. Under the PPA, retirement benefits are credited to each employee's cash balance account monthly based on a percentage of the employee's pensionable compensation. Employees who were retirement eligible or within five years of retirement eligibility with at least one year of service, or who were at least forty years of age with at least ten years of service as of June 30, 1999, could elect to participate in the PPA or to have their service and earnings credit accrue under the preexisting benefit formula. Benefits become vested on the completion of five years of service under either formula.

The number of individuals who were receiving benefits at December 31, 1999 and 1998, was 124,175 and 116,685, respectively.

#### Non-U.S. Plans

Most subsidiaries and branches outside the U.S. have retirement plans that cover substantially all regular employees, under

#### WEIGHTED-AVERAGE ASSUMPTIONS AS OF DECEMBER 31:

which the company deposits funds under various fiduciary-type arrangements, purchases annuities under group contracts or provides reserves. Retirement benefits are based on years of service and the employee's compensation, generally during a fixed number of years immediately before retirement. The ranges of assumptions that are used for the non-U.S. plans reflect the different economic environments within various countries.

#### U.S. Supplemental Executive Retention Plan

The company also has a non-qualified U.S. Supplemental Executive Retention Plan (SERP). The SERP, which is unfunded, provides defined pension benefits outside the IBM Retirement Plan to eligible executives based on average earnings, years of service and age at retirement. Effective July 1, 1999, the company adopted the Supplemental Executive Retention Plan (which replaces the previous Supplemental Executive Retirement Plan). Some participants of the pre-existing SERP still will be eligible for benefits under that plan, but will not be eligible for the new plan. At December 31, 1999 and 1998, the projected benefit obligation was \$149 million and \$178 million, respectively, and the amounts included in the Consolidated Statement of Financial Position were pension liabilities of \$109 million and \$81 million, respectively.

		U.S. Plan		Non-U.S. Plans					
	1999	1998	1997	1999	1998	1997			
Discount rate	7.75%	<b>6.5</b> %	7.0%	4.5-7.3%	4.5-7.5%	4.5-7.5%			
Expected return on plan assets	9.5%	<b>9.5</b> %	9.5%	6.0-10.5%	<b>6.5–10.0</b> %	6.0-9.5%			
Rate of compensation increase	6.0%	5.0%	5.0%	<b>2.6–6.1</b> %	2.7-6.1%	<b>2.6–6.1</b> %			
COST OF THE DEFINED BENEFIT PLANS:									
		U.S. Plan			Non-U.S. Plans	;			
(Dollars in millions)	1999	1998	1997	1999	1998	1997			
Service cost	\$ 566	\$ 532	\$ 397	\$ 475	\$ 399	\$ 366			
Interest cost	2,404	2,261	2,215	1,282	1,213	1,182			
Expected return on plan assets	(3,463)	(3,123)	(2,907)	(1,937)	(1,739)	(1,457)			
Net amortization of unrecognized net actuarial									
gains, net transition asset and prior service costs	(145)	(124)	(125)	42	21	15			
Settlement (gains)/losses	_	_	_	(23)	10	(63)			
Net periodic pension (benefit) cost-U.S. Plan									
and material non-U.S. Plans	\$ (638)	\$ (454)	\$ (420)	\$ (161)	\$ (96)	\$ 43			
Total net periodic pension (benefit) cost for all									
non-U.S. Plans				\$ (124)	\$ (42)	\$ 50			
Cost of defined contribution plans	\$ 275	\$ 258	\$ 236	\$ 131	\$ 90	\$ 64			
Cost of complementary defined benefits	\$ 38	\$ 34	\$ 33						
Cost of U.S. Supplemental Executive									
Retention Plan	\$ 30	\$ 25	\$ 20						

Net periodic pension cost is determined using the Projected Unit Credit actuarial method.

The effects on the company's results of operations and financial position from most changes in the estimates and assumptions used to compute pension and prepaid pension assets or pension liability is mitigated by the delayed recognition provisions of SFAS No. 87, "Employers' Accounting for Pensions." The effects of settlement gains, curtailment losses and early terminations are recognized immediately. The 1.25 percent increase in the discount rate in 1999 resulted in an actuarial gain of \$5,003 million for the U.S. plan. The 0.5 percent decrease in the discount rate in 1998 resulted in an actuarial loss of \$2,144 million for the U.S. plan.

It is the company's practice to fund amounts for pensions sufficient to meet the minimum requirements set forth in applicable employee benefits laws and local tax laws. From time to time, the company contributes additional amounts as it deems appropriate. Liabilities for amounts in excess of these funding levels are accrued and reported in the company's Consolidated Statement of Financial Position. The assets of the various plans include corporate equities, government securities, corporate debt securities and real estate.

At December 31, 1999, the material non-U.S. defined benefit plans in which the plan assets exceeded the benefit obligation had obligations of \$21,168 million and assets of \$27,400 million. The material non-U.S. defined benefit plans in which the benefit obligation exceeded the fair value of plan assets had obligations of \$602 million and assets of \$443 million.

At December 31, 1998, the material non-U.S. defined benefit plans in which the plan assets exceeded the benefit obligation had obligations of \$18,217 million and assets of \$21,736 million. The material non-U.S. defined benefit plans in which the benefit obligation exceeded the fair value of plan assets had obligations of \$3,831 million and assets of \$3,558 million.

#### X Nonpension Postretirement Benefits

The company and its U.S. subsidiaries have defined benefit postretirement plans that provide medical, dental and life insurance for retirees and eligible dependents. Effective July 1, 1999, IBM established a "Future Health Account (FHA) Plan" for employees who are more than five years away from retirement eligibility. Employees who are eligible to retire within five years retained the benefits under the company's preexisting retiree health benefits plan. Under either the FHA or the preexisting plan, there is a maximum cost to the company for retiree health care. For employees who retired before January 1, 1992, that maximum will become effective in the year 2001. For all other employees, the maximum is effective on retirement.

The changes in the benefit obligation and plan assets of the U.S. plans for 1999 and 1998 are as follows:

(Dollars in millions)	1999	1998
Change in benefit obligation:		
Benefit obligation at beginning of year	\$ 6,457	\$ 6,384
Service cost	48	42
Interest cost	424	427
Amendments	(127)	(26)
Actuarial gains	(445)	(146)
Actuarial losses	371	272
Benefits paid from trust	(325)	(486)
Direct benefit payments	(225)	(10)
Benefit obligation at end of year	6,178	6,457
Change in plan assets:		
Fair value of plan assets at		
beginning of year	123	120
Actual (loss)/gain on plan assets	(18)	10
Employer contributions	325	479
Benefits paid, net of employee		
contributions	(325)	(486)
Fair value of plan assets at end of year	105	123
Benefit obligation in excess		
of plan assets	(6,073)	(6,334)
Unrecognized net actuarial losses	631	700
Unrecognized prior service costs	(948)	(965)
Accrued postretirement benefit	(010)	(000)
liability recognized in the		
Consolidated Statement		
of Financial Position	\$ (6,390)	\$ (6,599)

The benefit obligation was determined by applying the terms of medical, dental and life insurance plans, including the effects of established maximums on covered costs, together with relevant actuarial assumptions. These actuarial assumptions include a projected healthcare cost trend rate of 6 percent.

The net periodic postretirement benefit cost for the U.S. plan for the years ended December 31 included the following components:

1999	1998	1997
\$ 48	\$ 42	\$ 32
424	427	455
(6)	(5)	(15)
(124)	(133)	(119)
\$ 342	\$ 331	\$ 353
	\$ 48 424 (6) (124)	\$ 48   \$ 42     424   427     (6)   (5)     (124)   (133)

WEIGHTED-AVERAGE ASSUMPTIONS AS OF DECEMBER 31:

Discount rate	7.75%	6.5%	7.0%
Expected return			
on plan assets	5.0%	5.0%	5.0%

The plan assets primarily comprise short-term fixed income investments.

Certain of the company's non-U.S. subsidiaries have similar plans for retirees. However, most of the retirees outside the United States are covered by government-sponsored and administered programs. The obligations and cost of these programs are not significant to the company.

A one-percentage-point change in the assumed healthcare cost trend rate would have the following effects as of December 31, 1999:

(Dollars in millions)	One-Percentage- Point Increase	One-Percentage- Point Decrease
Effect on total service and		
interest cost	\$7	\$ (9)
Effect on postretirement benefit		
obligation	\$ 95	\$ (120)

## Y Segment Information

IBM uses advanced information technology to provide customer solutions. The company operates primarily in a single industry using several segments that create value by offering a variety of solutions that include, either singularly or in some combination, technologies, systems, products, services, software and financing. Organizationally, the company's major operations comprise three hardware product segments—Technology, Personal Systems and Server; a Global Services segment; a Software segment; a Global Financing segment and an Enterprise Investment segment. The segments are determined based on several factors, including customer base, homogeneity of products, technology and delivery channels.

The Technology segment produces peripheral equipment for use in general-purpose computer systems, including storage and networking devices, advanced function printers and display devices. In addition, the segment provides components such as semiconductors and HDDs for use in the company's products and for sale to original equipment manufacturers (OEM). Major business units include Storage Systems, Microelectronics, Printer Systems and Networking Hardware.

The Personal Systems segment produces general-purpose computer systems, including some system and consumer software, that operate applications for use by one user at a time (personal computer clients) or as servers, and display devices. Major brands include the Aptiva home PCs, IntelliStation workstations, Netfinity servers, PC 300 commercial desktop and ThinkPad mobile systems. These products are sold directly by the company and through reseller and retail channels.

The Server segment produces powerful multi-purpose computer systems that operate many open-network-based applications and are used simultaneously by multiple users. They perform high-volume transaction processing and serve data to personal systems and other end-user devices. The servers are the engines behind the bulk of electronic business transactions, including e-commerce. Brands include S/390, AS/400, RS/6000 and NUMA-Q. The segment's products are sold directly by the company and through business partner relationships.

The Global Services segment is the world's largest and most versatile information technology services provider, supporting computer hardware and software products and providing professional services to help customers of all sizes realize the full value of information technology. The segment provides value through three primary lines of business: Strategic Outsourcing Services; Business Innovation Services; and Integrated Technology Services. Strategic Outsourcing Services create business value through long-term strategic partnerships with customers by taking on responsibility for their processes and systems. Business Innovation Services (formerly Systems Integration and Consulting) provide business/industry consulting and endto-end e-business implementation of offerings like Supply Chain Management, Customer Relationship Management, Enterprise Resource Planning and Business Intelligence. Integrated Technology Services offer customers a single IT partner to manage multi-vendor IT systems' complexity in today's e-business environment including traditional offerings like Product Support, Business Recovery Services, Site and Connectivity Services, and Systems Management and Networking Services. Learning Services supports the three primary lines of business and help customers design, develop and deploy curricula to educate their employees. The Global Services segment is uniquely suited to integrate the full range of the company's and key industry participants' capabilities, including hardware, software, services and research.

The Software segment delivers operating systems for the company's servers and e-business enabling software (middleware) for IBM and non-IBM platforms. The company has reorganized its e-business offerings to align with key customer opportunity areas – transformation and integration, leveraging information, organizational effectiveness and managing technology. In addition to its own development, product and marketing effort, the segment supports more than 35,000 Independent Software Vendors to ensure that the company's software and hardware offerings are included in those partners' solutions.

The Global Financing segment is the world's largest provider of financing services for information technology (IT). The segment provides lease and loan financing that enables the company's customers to acquire complete IT and e-business solutions—hardware, software and services—provided by the company and its business partners. Special focus is placed on the financing needs of small and medium businesses, and the emerging financing needs of NetGen companies. Global Financing, as a reliable source of capital for the distribution channel, also provides the company's business partners with customized commercial financing for inventory, accounts receivable, term loans and acquisitions, helping them manage their cash flow, invest in infrastructure and grow their business.

The Enterprise Investments segment provides industry specific information technology solutions, supporting the hardware, software and services segments of the company. The segment develops unique products designed to meet specific marketplace requirements and to complement the company's overall portfolio of products.

Segment revenue and pre-tax income include transactions between the segments that are intended to reflect an arm'slength transfer at the best price available for comparable external customers. Specifically, semiconductors and disk drives are sourced internally from the Technology segment for use in the manufacture of the Server segment and Personal Systems segment products. Technology, hardware and software that are used by the Global Services segment in outsourcing engagements are sourced internally from the Technology, Server, Personal Systems and Software segments. For the internal use of information technology services, the Global Services segment recovers cost as well as a reasonable fee reflecting the arm's-length value of providing the services. The Global Services segment enters into arm's-length leases at prices equivalent to market rates with the Global Financing segment to facilitate the acquisition of equipment used in outsourcing engagements. All internal transaction prices are reviewed and reset annually if appropriate.

The company extensively uses shared-staff concepts to realize economies of scale and efficient use of resources. Thus, a significant amount of expense is shared by all of the company's segments. This expense represents sales coverage, marketing and support functions such as Accounting, Treasury, Procurement, Legal, Human Resources, and Billing and Collections. Where practical, shared expenses are allocated based on measurable drivers of expense; e.g., Human Resources costs are allocated on headcount while account coverage expenses are allocated on a revenue mix that reflects the company's sales commission plan. When a clear and measurable driver cannot be identified, shared expenses are allocated on a financial basis that is consistent with the company's management system; e.g., image advertising is allocated based on the gross profit of the segments. The unallocated corporate expenses arising from certain acquisitions, indirect infrastructure reductions, certain intellectual property income and currency exchange gains and losses are recorded in net income but are not allocated to the segments.

The following tables reflect the results of the segments consistent with the company's management system. These results are not necessarily a depiction that is in conformity with generally accepted accounting principles; e.g., employee retirement plan costs are developed using actuarial assumptions on a countryby-country basis and allocated to the segments on headcount. A different result could be arrived at for any segment using actuarial assumptions that are unique to the segment. Performance measurement is based on income before income taxes (pre-tax income). These results are used, in part, by management, both in evaluating the performance of, and in allocating resources to, each of the segments.

# MANAGEMENT SYSTEM SEGMENT VIEW

Personal (poltars in millions)     Technology (poltars in millions)     Technology (poltars in millions)     Global (poltars in millions)     Clobal (poltars in millions)     External revenue     \$ 12,597     \$ 15,290     \$ 8,718     \$ 32,172     \$ 12,662     \$ 3,219     \$ 2,499     \$ 87,167       Internal revenue     \$ 16,397     \$ 15,335     \$ 9,044     \$ 34,808     \$ 13,429     \$ 4,054     \$ 2,518     \$ 95,585       Pre-tax income     \$ 764     \$ (557)     \$ 1,590     \$ 4,528     \$ 2,830     \$ 1,286     \$ (324)     \$ 10,117       Revenue year-to-year change     (0.4)%     19.8%     (18.3)%     9.9%     6.5%     7.5%     (0.2)%     5.1%       Pre-tax income margin     4.7%     (3.6)%     17.6%     13.0%     21.1%     31.7%     (12.9)%     10.6%       1998:     External revenue     \$ 11,890     \$ 12,776     \$ 10,624     \$ 2,916     \$ 11,863     \$ 2,979     \$ 2,468     \$ 81,516				ł	Hardware											
1999:   External revenue   \$ 12,597   \$ 15,290   \$ 8,718   \$ 32,172   \$ 12,662   \$ 3,219   \$ 2,499   \$ 87,157     Internal revenue   3,800   45   326   2,636   767   835   19   8,428     Internal revenue   \$ 16,397   \$ 15,335   \$ 9,044   \$ 34,808   \$ 13,429   \$ 4,054   \$ 2,518   \$ 95,585     Pre-tax income   \$ 764   \$ (657)   \$ 1,590   \$ 4,528   \$ 2,830   \$ 1,286   \$ (324)   \$ 10,117     Revenue year-to-year change   (0.49%   19.8%   (18.3)%   9.9%   6.5%   7.5%   (0.2)%   5.1%     Pre-tax income margin   4.7%   (3.6)%   17.6%   13.0%   21.1%   31.7%   (12.9)%   10.6%     1998:   External revenue   \$ 11,850   \$ 12,776   \$ 10,624   \$ 28,916   \$ 11,863   \$ 2,979   \$ 2,468   \$ 81,516     Internal revenue   \$ 11,850   \$ 12,776   \$ 10,624   \$ 28,916   \$ 11,863   \$ 2,979   \$ 2,468   \$ 81,516     Internal revenue   \$ 11,850   \$ 12,777   \$ 10,624   \$ 28,916 <th>(Dellers in millions)</th> <th>То</th> <th>shoology</th> <th></th> <th></th> <th></th> <th>Sonior</th> <th></th> <th></th> <th></th> <th>Softwara</th> <th></th> <th></th> <th></th> <th>c</th> <th></th>	(Dellers in millions)	То	shoology				Sonior				Softwara				c	
External revenue     \$ 12,597     \$ 15,290     \$ 8,718     \$ 32,172     \$ 12,662     \$ 3,219     \$ 2,499     \$ 87,157       Internal revenue     3,800     45     326     2,636     767     835     19     8,428       Total revenue     \$ 16,397     \$ 15,335     \$ 9,044     \$ 34,808     \$ 13,429     \$ 4,054     \$ 2,518     \$ 95,585       Pre-tax income     \$ 764     \$ (557)     \$ 1,590     \$ 4,528     \$ 2,830     \$ 1,286     \$ (324)     \$ 10,117       Revenue year-to-year change     (0.4)%     19.8%     (18.3)%     9.9%     6.5%     7.5%     (0.2)%     5.1%       Pre-tax income year-to-year change     (20.0)%     43.9%     (44.1)%     20.5%     9.4%     10.4%     47.4%     4.3%       Pre-tax income margin     4.7%     (3.6)%     17.6%     13.0%     21.1%     31.7%     (12.9)%     10.6%       1098:     External revenue     \$ 11,680     \$ 2,747     749     792     56     9,396       Iotal revenue     \$ 16,468     \$ 12,005		Tec	chilology		Systems		Server		Services		SUILWAIE	Financing	IIIve	siments	3	egments
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Total revenue\$ 16,397\$ 15,335\$ 9,044\$ 34,808\$ 13,429\$ 4,054\$ 2,518\$ 95,585Pre-tax income\$ 764\$ (557)\$ 1,590\$ 4,528\$ 2,830\$ 1,286\$ (324)\$ 10,117Revenue year-to-year change(0.4)%19.8%(18.3)%9.9% $6.5\%$ 7.5%(0.2)%5.1%Pre-tax income year- to-year change(20.0)%43.9%(44.1)%20.5%9.4%10.4%47.4%4.3%Pre-tax income margin4.7%(3.6)%17.6%13.0%21.1%31.7%(12.9)%10.6%1998:External revenue\$ 11,890\$ 12,776\$ 10,624\$ 28,916\$ 11,863\$ 2,979\$ 2,468\$ 81,516Internal revenue\$ 11,890\$ 12,776\$ 10,624\$ 28,916\$ 11,863\$ 2,979\$ 2,468\$ 81,516Internal revenue\$ 11,890\$ 12,776\$ 10,624\$ 28,916\$ 11,863\$ 2,979\$ 2,468\$ 81,516Internal revenue\$ 11,890\$ 12,776\$ 10,624\$ 28,916\$ 11,863\$ 2,979\$ 2,468\$ 81,516Internal revenue\$ 11,6468\$ 12,005\$ 11,069\$ 31,663\$ 12,612\$ 3,771\$ 2,524\$ 90,912Pre-tax income year- to-year change(4.4)%(10.8)%(6.0)%13.5%6.6%5.8%0.6%2.0%Pre-tax income wear- to-year change(47,1)%(516,1)%(1.9)%30.0%27.2%3.0%32.3%0.1%Pre-tax income margin		+	,	-		-		-	,	-	•			. ,	-	
Pre-tax income\$764\$(557)\$1,590\$4,528\$2,830\$1,286\$(324)\$10,117Revenue year-to-year change(0.4)%19.8%(18.3)%9.9%6.5%7.5%(0.2)%5.1%Pre-tax income year- to-year change(20.0)%43.9%(44.1)%20.5%9.4%10.4%47.4%4.3%Pre-tax income margin4.7%(3.6)%17.6%13.0%21.1%31.7%(12.9)%10.6%1998:External revenue\$11,890\$12,776\$10,624\$28,916\$11,863\$2,979\$2,468\$81,516Internal revenue4,578294452,747749792569,396Total revenue\$16,468\$12,805\$11,069\$31,663\$12,612\$3,771\$2,524\$90,912Pre-tax income\$955\$(992)\$2,842\$3,757\$2,588\$1,165\$(616)\$9,699Revenue year-to-year change(44.1)%(10.8)%(6.0)%13.5%6.6%5.8%0.6%2.0%Pre-tax income year- to-year change(47.1)%(516.1)%(1.9)%30.0%27.2%3.0%32.3%0.1%1997:External revenue\$11,033\$14,337\$\$11,285\$\$2,658\$ <th></th> <th>\$</th> <th></th> <th>\$</th> <th></th> <th>\$</th> <th></th> <th>\$</th> <th></th> <th>\$</th> <th>-</th> <th></th> <th></th> <th></th> <th>\$</th> <th></th>		\$		\$		\$		\$		\$	-				\$	
Revenue year-to-year change Pre-tax income year- to-year change $(0.4)\%$ $19.8\%$ $(18.3)\%$ $9.9\%$ $6.5\%$ $7.5\%$ $(0.2)\%$ $5.1\%$ Pre-tax income year- to-year change $(20.0)\%$ $43.9\%$ $(44.1)\%$ $20.5\%$ $9.4\%$ $10.4\%$ $47.4\%$ $4.3\%$ Pre-tax income margin $4.7\%$ $(3.6)\%$ $17.6\%$ $13.0\%$ $21.1\%$ $31.7\%$ $(12.9)\%$ $10.6\%$ 1998:External revenue $4.578$ $29$ $445$ $2.747$ $749$ $792$ $56$ $9.396$ Total revenue $4.578$ $29$ $445$ $2.747$ $749$ $792$ $56$ $9.396$ Total revenue $$16,468$ $$12,805$ $$11,069$ $$31,663$ $$12,612$ $$3.771$ $$2,524$ $$90,912$ Pre-tax income $$955$ $$(992)$ $$2,842$ $$3,757$ $$2,588$ $$1,165$ $$(616)$ $$9,699$ Revenue year-to-year change $(4.4)\%$ $(10.8)\%$ $(6.0)\%$ $13.5\%$ $6.6\%$ $5.8\%$ $0.6\%$ $2.0\%$ Pre-tax income year- to-year change $(47.1)\%$ $(516.1)\%$ $(1.9)\%$ $30.0\%$ $27.2\%$ $3.0\%$ $32.3\%$ $0.1\%$ 1997:External revenue $$11,083$ $$14,337$ $$11,286$ $$25,166$ $$11,164$ $$2,935$ $$2,438$ $$78,409$ Internal revenue $$6,147$ $20$ $491$ $2,737$ $671$ $628$ $70$ $10,764$ Total revenue $$17,230$ $$14,337$ $$11,777$ $$27,903$ $$11,131$	<u> </u>											<u> </u>		. ,		
Pre-tax income year- to-year change(20.0)%43.9%(44.1)%20.5%9.4%10.4%47.4%4.3%Pre-tax income margin4.7%(3.6)%17.6%13.0%21.1%31.7%(12.9)%10.6%1998: External revenue $4,578$ 29445 $2,747$ 749792569,396Total revenue $4,578$ 29445 $2,747$ 749792569,396Total revenue $516,468$ $$12,805$ $$11,069$ $$31,663$ $$12,612$ $$3,771$ $$2,524$ $$90,912$ Pre-tax income $$955$ $$(992)$ $$2,842$ $$3,757$ $$2,588$ $$1,165$ $$(616)$ $$9,699$ Revenue year-to-year change $(4.4)%$ $(10.8)%$ $(6.0)%$ $13.5\%$ $6.6\%$ $5.8\%$ $0.6\%$ $2.0\%$ Pre-tax income year- to-year change $(47.1)\%$ $(516.1)\%$ $(1.9)\%$ $30.0\%$ $27.2\%$ $3.0\%$ $32.3\%$ $0.1\%$ 1997: External revenue $$11,083$ $$14,337$ $$11,286$ $$25,166$ $$11,164$ $$2,935$ $$2,438$ $$78,409$ Internal revenue $$6,147$ $20$ $491$ $2,737$ $671$ $628$ $70$ $10,764$ Total revenue $$17,230$ $$14,357$ $$11,777$ $$2,903$ $$11,835$ $$3,563$ $$2,508$ $$89,173$ Pre-tax income $$1,806$ $$(161)$ $$2,896$ $$2,890$ $$2,034$ $$1,131$ $$(910)$ $$9,686$ Revenue year-to-year change <th>Pre-tax income</th> <th>\$</th> <th>764</th> <th>\$</th> <th>(557)</th> <th>\$</th> <th>1,590</th> <th>\$</th> <th>4,528</th> <th>\$</th> <th>2,830</th> <th>\$ 1,286</th> <th></th> <th>\$ (324)</th> <th>\$</th> <th>10,117</th>	Pre-tax income	\$	764	\$	(557)	\$	1,590	\$	4,528	\$	2,830	\$ 1,286		\$ (324)	\$	10,117
to-year change     (20.0)%     43.9%     (44.1)%     20.5%     9.4%     10.4%     47.4%     4.3%       Pre-tax income margin     4.7%     (3.6)%     17.6%     13.0%     21.1%     31.7%     (12.9)%     10.6%       1998:     External revenue     \$ 11,890     \$ 12,776     \$ 10,624     \$ 28,916     \$ 11,863     \$ 2,979     \$ 2,468     \$ 81,516       Internal revenue     4,578     29     445     2,747     749     792     56     9,396       Total revenue     \$ 16,468     \$ 12,805     \$ 11,069     \$ 31,663     \$ 12,612     \$ 3,771     \$ 2,524     \$ 9,0912       Pre-tax income     \$ 955     \$ (992)     \$ 2,842     \$ 3,757     \$ 2,588     \$ 1,165     \$ (616)     \$ 9,699       Revenue year-to-year change     (4.4)%     (10.8)%     (6.0)%     13.5%     6.6%     5.8%     0.6%     2.0%       Pre-tax income margin     5.8%     (7.7)%     25.7%     11.9%     20.5%     30.9%     (24.4)%     10.7%       1997:     External revenu			(0.4)%		19.8%		(18.3)%		<b>9.9</b> %		6.5%	7.5%		(0.2)%		5.1%
Pre-lax income margin     4.7%     (3.6)%     17.6%     13.0%     21.1%     31.7%     (12.9)%     10.6%       1998:     External revenue     \$ 11,890     \$ 12,776     \$ 10,624     \$ 28,916     \$ 11,863     \$ 2,979     \$ 2,468     \$ 81,516       Internal revenue     4,578     29     445     2,747     749     792     56     9,396       Total revenue     \$ 16,468     \$ 12,805     \$ 11,069     \$ 31,663     \$ 12,612     \$ 3,771     \$ 2,524     \$ 90,912       Pre-tax income     \$ 955     \$ (992)     \$ 2,842     \$ 3,757     \$ 2,588     \$ 1,165     \$ (616)     \$ 9,699       Revenue year-to-year change     (4.4)%     (10.8)%     (6.0)%     13.5%     6.6%     5.8%     0.6%     2.0%       Pre-tax income year-to-year change     (47.1)%     (516.1)%     (1.9)%     30.0%     27.2%     3.0%     32.3%     0.1%       1997:     External revenue     \$ 11,083     \$ 14,337     \$ 11,286     \$ 25,166     \$ 11,164     \$ 2,935     \$ 2,438     \$ 78,409			(20.0)%		43.9%		(44.1)%		20.5%		9.4%	10.4%		47.4%		4.3%
External revenue   \$ 11,890   \$ 12,776   \$ 10,624   \$ 28,916   \$ 11,863   \$ 2,979   \$ 2,468   \$ 81,516     Internal revenue   \$ 16,468   \$ 12,805   \$ 11,069   \$ 31,663   \$ 12,612   \$ 3,771   \$ 2,524   \$ 9,999     Pre-tax income   \$ 955   \$ (992)   \$ 2,842   \$ 3,757   \$ 2,588   \$ 1,165   \$ (616)   \$ 9,699     Revenue year-to-year change   (4.4)%   (10.8)%   (6.0)%   13.5%   6.6%   5.8%   0.6%   2.0%     Pre-tax income year-to-year change   (47.1)%   (516.1)%   (1.9)%   30.0%   27.2%   3.0%   32.3%   0.1%     Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   \$ 17,230   \$ 14,357   \$ 11,777 <td< th=""><th>, ,</th><th></th><th>• •</th><th></th><th></th><th></th><th>• •</th><th></th><th></th><th></th><th></th><th>31.7%</th><th></th><th>(12.9)%</th><th></th><th></th></td<>	, ,		• •				• •					31.7%		(12.9)%		
External revenue   \$ 11,890   \$ 12,776   \$ 10,624   \$ 28,916   \$ 11,863   \$ 2,979   \$ 2,468   \$ 81,516     Internal revenue   \$ 16,468   \$ 12,805   \$ 11,069   \$ 31,663   \$ 12,612   \$ 3,771   \$ 2,524   \$ 9,999     Pre-tax income   \$ 955   \$ (992)   \$ 2,842   \$ 3,757   \$ 2,588   \$ 1,165   \$ (616)   \$ 9,699     Revenue year-to-year change   (4.4)%   (10.8)%   (6.0)%   13.5%   6.6%   5.8%   0.6%   2.0%     Pre-tax income year-to-year change   (47.1)%   (516.1)%   (1.9)%   30.0%   27.2%   3.0%   32.3%   0.1%     Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   \$ 17,230   \$ 14,357   \$ 11,777 <td< td=""><td>1008-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	1008-															
Internal revenue   4,578   29   445   2,747   749   792   56   9,396     Total revenue   \$ 16,468   \$ 12,805   \$ 11,069   \$ 31,663   \$ 12,612   \$ 3,771   \$ 2,524   \$ 90,912     Pre-tax income   \$ 955   \$ (992)   \$ 2,842   \$ 3,757   \$ 2,588   \$ 1,165   \$ (616)   \$ 9,699     Revenue year-to-year change   (4.4)%   (10.8)%   (6.0)%   13.5%   6.6%   5.8%   0.6%   2.0%     Pre-tax income year-to-year change   (47.1)%   (516.1)%   (1.9)%   30.0%   27.2%   3.0%   32.3%   0.1%     Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 2,890   \$ 2,034   \$ 1,131   \$		¢	11 890	¢	12 776	¢	10 624	¢	28 9 16	¢	11 863	\$ 2 979		\$ 2 468	¢	81 5 1 6
Total revenue\$ 16,468\$ 12,805\$ 11,069\$ 31,663\$ 12,612\$ 3,771\$ 2,524\$ 90,912Pre-tax income\$ 955\$ (992)\$ 2,842\$ 3,757\$ 2,588\$ 1,165\$ (616)\$ 9,699Revenue year-to-year change(4.4)%(10.8)%(6.0)%13.5% $6.6\%$ $5.8\%$ $0.6\%$ $2.0\%$ Pre-tax income year- to-year change(47.1)%(516.1)%(1.9)% $30.0\%$ $27.2\%$ $3.0\%$ $32.3\%$ $0.1\%$ Pre-tax income margin $5.8\%$ (7.7)% $25.7\%$ $11.9\%$ $20.5\%$ $30.9\%$ $(24.4)\%$ $10.7\%$ 1997:External revenue\$ 11,083\$ 14,337\$ 11,286\$ 25,166\$ 11,164\$ 2,935\$ 2,438\$ 78,409Internal revenue\$ 11,083\$ 14,337\$ 11,286\$ 25,166\$ 11,164\$ 2,935\$ 2,438\$ 78,409Internal revenue\$ 11,083\$ 14,357\$ 11,777\$ 27,903\$ 11,835\$ 3,563\$ 2,508\$ 89,173Pre-tax income\$ 1,806\$ (161)\$ 2,896\$ 2,890\$ 2,034\$ 1,131\$ (910)\$ 9,686Revenue year-to-year change0.3%3.3%(6.9)%12.6%(1.5)%(3.3)%5.0%3.0%Pre-tax income year- to-year change17.7%(312.8)%(12.1)%14.3%(17.5)%(10.2)%(17.4)%(5.7)%		Ψ	· · · ·	4	1 - C	4		4	· · · · ·	4					4	
Pre-tax income     \$ 955     \$ (992)     \$ 2,842     \$ 3,757     \$ 2,588     \$ 1,165     \$ (616)     \$ 9,699       Revenue year-to-year change Pre-tax income year- to-year change     (4.4)%     (10.8)%     (6.0)%     13.5%     6.6%     5.8%     0.6%     2.0%       Pre-tax income year- to-year change     (47.1)%     (516.1)%     (1.9)%     30.0%     27.2%     3.0%     32.3%     0.1%       Pre-tax income margin     5.8%     (7.7)%     25.7%     11.9%     20.5%     30.9%     (24.4)%     10.7%       1997:     External revenue     \$ 11,083     \$ 14,337     \$ 11,286     \$ 25,166     \$ 11,164     \$ 2,935     \$ 2,438     \$ 78,409       Internal revenue     6,147     20     491     2,737     671     628     70     10,764       Total revenue     \$ 17,230     \$ 14,357     \$ 11,777     \$ 27,903     \$ 11,835     \$ 3,563     \$ 2,508     \$ 89,173       Pre-tax income     \$ 1,806     \$ (161)     \$ 2,896     \$ 2,890     \$ 2,034     \$ 1,131     \$ (910)     \$ 9,686		\$	,	\$		\$		\$	,	\$					\$	
Revenue year-to-year change   (4.4)%   (10.8)%   (6.0)%   13.5%   6.6%   5.8%   0.6%   2.0%     Pre-tax income year- to-year change   (47.1)%   (516.1)%   (1.9)%   30.0%   27.2%   3.0%   32.3%   0.1%     Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     rotal revenue   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)	Pre-tax income															
Pre-tax income year- to-year change   (47.1)%   (516.1)%   (1.9)%   30.0%   27.2%   3.0%   32.3%   0.1%     Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year- to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%	Revenue vear-to-vear change		(4.4)%		(10.8)%		(6.0)%		13 5%		6.6%	5.8%		0.6%		2.0%
to-year change Pre-tax income margin(47.1)% 5.8%(516.1)% (7.7)%(1.9)% 25.7%30.0% 27.2%27.2% 30.9%3.0% (24.4)%32.3% 10.7%1997:External revenue Internal revenue\$ 11,083\$ 14,337\$ 11,286\$ 25,166\$ 11,164\$ 2,935\$ 2,438\$ 78,409Internal revenue Internal revenue6,147204912,7376716287010,764Total revenue\$ 17,230\$ 14,357\$ 11,777\$ 27,903\$ 11,835\$ 3,563\$ 2,508\$ 89,173Pre-tax income\$ 1,806\$ (161)\$ 2,896\$ 2,890\$ 2,034\$ 1,131\$ (910)\$ 9,686Revenue year-to-year change Pre-tax income year- to-year change0.3%3.3%(6.9)%12.6%(1.5)%(3.3)%5.0%3.0%17.7%(312.8)%(12.1)%14.3%(17.5)%(10.2)%(17.4)%(5.7)%	, , , ,		( , / ,		(1010)//0		(010)//0		1010 /0			01070		010 /0		210 / 0
Pre-tax income margin   5.8%   (7.7)%   25.7%   11.9%   20.5%   30.9%   (24.4)%   10.7%     1997:   External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year-to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%	· · · · · · · · · · · · · · · · · · ·		(47.1)%		(516.1)%		(1.9)%		30.0%		27.2%	3.0%		32.3%		0.1%
External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year-to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%					1 - C				11.9%		20.5%	30.9%		(24.4)%		10.7%
External revenue   \$ 11,083   \$ 14,337   \$ 11,286   \$ 25,166   \$ 11,164   \$ 2,935   \$ 2,438   \$ 78,409     Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year-to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%	-															
Internal revenue   6,147   20   491   2,737   671   628   70   10,764     Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year-to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%	1997:															
Total revenue   \$ 17,230   \$ 14,357   \$ 11,777   \$ 27,903   \$ 11,835   \$ 3,563   \$ 2,508   \$ 89,173     Pre-tax income   \$ 1,806   \$ (161)   \$ 2,896   \$ 2,890   \$ 2,034   \$ 1,131   \$ (910)   \$ 9,686     Revenue year-to-year change   0.3%   3.3%   (6.9)%   12.6%   (1.5)%   (3.3)%   5.0%   3.0%     Pre-tax income year-to-year change   17.7%   (312.8)%   (12.1)%   14.3%   (17.5)%   (10.2)%   (17.4)%   (5.7)%	External revenue	\$	11,083	\$	14,337	\$	11,286	\$	25,166	\$	11,164	\$ 2,935		\$ 2,438	\$	78,409
Pre-tax income     \$ 1,806     \$ (161)     \$ 2,896     \$ 2,890     \$ 2,034     \$ 1,131     \$ (910)     \$ 9,686       Revenue year-to-year change     0.3%     3.3%     (6.9)%     12.6%     (1.5)%     (3.3)%     5.0%     3.0%       Pre-tax income year- to-year change     17.7%     (312.8)%     (12.1)%     14.3%     (17.5)%     (10.2)%     (17.4)%     (5.7)%	Internal revenue		6,147		20		491		2,737		671	628		70		10,764
Revenue year-to-year change     0.3%     3.3%     (6.9)%     12.6%     (1.5)%     (3.3)%     5.0%     3.0%       Pre-tax income year- to-year change     17.7%     (312.8)%     (12.1)%     14.3%     (17.5)%     (10.2)%     (17.4)%     (5.7)%	Total revenue	\$	17,230	\$	14,357	\$	11,777	\$	27,903	\$	11,835	\$ 3,563		\$ 2,508	\$	89,173
Pre-tax income year- to-year change     17.7%     (312.8)%     (12.1)%     14.3%     (17.5)%     (10.2)%     (17.4)%     (5.7)%	Pre-tax income	\$	1,806	\$	(161)	\$	2,896	\$	2,890	\$	2,034	\$ 1,131		\$ (910)	\$	9,686
to-year change 17.7% (312.8)% (12.1)% 14.3% (17.5)% (10.2)% (17.4)% (5.7)%	Revenue year-to-year change		0.3%		3.3%		(6.9)%		12.6%		(1.5)%	(3.3)%	D	5.0%		3.0%
	Pre-tax income year-															
Pre-tax income margin     10.5%     (1.1)%     24.6%     10.4%     17.2%     31.7%     (36.3)%     10.9%	to-year change		17.7%		(312.8)%		(12.1)%		14.3%		(17.5)%	(10.2)%	b	(17.4)%		(5.7)%
	Pre-tax income margin		10.5%		(1.1)%		24.6%		10.4%		17.2%	31.7%		(36.3)%		10.9%

# Reconciliations to IBM as Reported

(Dollars in millions)	1999	1998	1997
REVENUE:			
Total reportable segments	\$ 95,585	\$ 90,912	\$ 89,173
Other revenues	391	151	99
Elimination of internal			
revenue	(8,428)	(9,396)	(10,764)
Total IBM Consolidated	\$ 87,548	\$ 81,667	\$ 78,508

(Dollars in millions)	1999	1998	1997
PRE-TAX INCOME:			
Total reportable segments	\$ 10,117	\$ 9,699	\$ 9,686
Elimination of internal			
transactions	(145)	(162)	(377)
Sale of Global Network	4,057	_	_
1999 actions	(2,205)	_	_
Unallocated corporate			
expenses	(67)	(497)	(282)
Total IBM Consolidated	\$ 11,757	\$ 9,040	\$ 9,027

#### Immaterial Items

INVESTMENT IN EQUITY ALLIANCES AND EQUITY ALLIANCES GAINS/LOSSES

The investments in equity alliances and the resulting gains and losses from these investments that are attributable to the segments do not have a significant effect on the financial results of the segments.

#### Segment Assets and Other Items

The assets of the hardware segments primarily are inventory and plant, property and equipment. The software segment assets mainly are plant, property and equipment, and investment in deferred software development. The Global Services segment assets primarily are maintenance inventory and plant, property and equipment associated with its strategic outsourcing business.

To accomplish the efficient use of the company's space and equipment, it usually is necessary for several segments to share plant, property and equipment assets. Where assets are shared, landlord ownership of the assets is assigned to one segment and is not allocated to each user segment. This is consistent with the company's management system and is reflected accordingly in the schedule below. In those cases, there will not be a precise correlation between segment pre-tax income and segment assets.

Similarly, the depreciation amounts reported by each segment are based on the assigned landlord ownership and may not be consistent with the amounts that are included in the segments' pre-tax income. The amounts that are included in pre-tax income reflect occupancy charges from the landlord segment and are not specifically identified by the management reporting system.

Capital expenditures that are reported by each segment also are in line with the landlord ownership basis of asset assignment.

The Global Financing segment amounts below for interest income and interest expense reflect the interest income and interest expense associated with the financing business as well as the investment in cash and marketable securities. The remaining amounts of interest income and interest expense are not discretely identified to the other segments, but are included as part of an indirect expense allocation.

#### MANAGEMENT SYSTEM SEGMENT VIEW

		Hardware						
	Technology	Personal	Conver	Global	Coffuero	Global	Enterprise	Total
(Dollars in millions) 1999:	Technology	Systems	Server	Services	Software	Financing	Investments	Segments
	÷ 10 100	<i><b>±</b> 1 070</i>	÷ 0 040	¢ 0.000	÷ 0 507	<i>*</i>	÷ 400	÷ 50 000
Assets	\$ 10,409	\$ 1,372	\$ 2,846	\$ 2,060	\$ 2,527	\$ 39,686	\$ 408	\$ 59,308
Depreciation/amortization	2,142	127	191	367	576	2,976	15	6,394
Capital expenditures/								
investment in software	1,834	172	312	249	656	3,217	12	6,452
Interest income	—	—	—	—	—	2,961	—	2,961
Interest expense	—	—	—	—	—	1,232	—	1,232
1998:								
Assets	\$ 11,251	\$ 1,464	\$ 2,106	\$ 2,236	\$ 2,577	\$ 40,109	\$ 363	\$ 60,106
Depreciation/amortization	1,207	121	178	322	681	2,768	15	5,292
Capital expenditures/								
investment in software	2,044	156	288	358	424	3,438	19	6,727
Interest income	_	_	_	_		2,725	_	2,725
Interest expense	—	—	—	—	—	1,252	—	1,252
1997:								
Assets	\$ 10,060	\$ 1,629	\$ 2,191	\$ 1,914	\$ 2,642	\$ 35,444	\$ 362	\$ 54,242
Depreciation/amortization	1,092	112	167	315	1,132	2,170	10	4,998
Capital expenditures/								
investment in software	2,028	195	235	361	515	3,615	16	6,965
Interest income	_	_	_	_	_	2,639		2,639
Interest expense		_	_	_	_	1,175	_	1,175
								, , ,

#### Reconciliations to IBM as Reported

(Dollars in millions)	1999	1998	1997
ASSETS:			
Total reportable segments	\$ 59,308	\$ 60,106	\$ 54,242
Elimination of internal			
transactions	(5,776)	(7,519)	(6,287)
Unallocated amounts:			
Cash and marketable			
securities	4,563	4,295	6,062
Notes and accounts			
receivable	7,004	7,715	7,441
Deferred tax assets	5,428	5,376	4,746
Plant, other property			
and equipment	6,146	7,706	7,564
Pension assets	5,636	4,836	3,828
Other	5,186	3,585	3,903
Total IBM Consolidated	\$ 87,495	\$ 86,100	\$ 81,499

#### Revenue by Classes of Similar Products or Services

For the Personal Systems, Server, Software and Global Financing segments, the segment data on page 91 represents the revenue contributions from the products that are contained in the segments and that are basically similar in nature. The table below provides external revenue for similar classes of products within the Technology and Global Services segments. OEM hardware comprises primarily revenue from the sale of HDD storage files and semiconductors. Storage comprises externally attached direct access storage devices and tape storage devices. Other technology comprises advanced function printers and networking devices.

	Consolidated					
(Dollars in millions)	1999	1998	1997			
Technology:						
OEM	\$ 7,800	\$ 6,756	\$ 5,560			
Storage	2,389	2,439	2,644			
Other technology	2,408	2,695	2,879			
Global Services:						
Services	27,035	23,730	19,534			
Maintenance	5,137	5,186	5,632			

#### Major Customers

No single customer represents 10 percent or more of the company's total revenue.

#### Geographic Information

		Long-lived Assets**				
(Dollars in millions)	1999	1998	1997	1999	1998	1997
United States	\$ 37,171	\$ 35,303	\$ 32,663	\$ 19,309	\$ 18,450	\$ 17,802
Japan	10,411	8,567	9,765	4,710	4,310	3,635
Other countries	39,966	37,797	36,080	10,259	12,343	11,621
Total	\$ 87,548	\$ 81,667	\$ 78,508	\$ 34,278	\$ 35,103	\$ 33,058

\* Revenues are attributed to countries based on location of customer.

\*\* Includes all non-current assets except non-current financial instruments and deferred tax assets.

# Five-Year Comparison of Selected Financial Data

(Dollars in millions except per share amounts)

For the year:	1999	1998	1997	1996	1995
Revenue	\$ 87,548	\$ 81,667	\$ 78,508	\$ 75,947	\$ 71,940
Net income	7,712	6,328	6,093	5,429	4,178
Per share of common stock:					
Assuming dilution	4.12	3.29*	3.00*	2.50*	1.76*
Basic	4.25	3.38*	3.09*	2.56*	1.81*
Cash dividends paid on common stock	859	814	763	686	572
Per share of common stock	.47	.43*	.3875*	.325*	.25*
Investment in plant, rental machines					
and other property	5,959	6,520	6,793	5,883	4,744
Return on stockholders' equity	39.0%	<b>32.6</b> %	<b>29.7</b> %	<b>24.8</b> %	18.5%
At end of year:					
Total assets	\$ 87,495	\$ 86,100	\$ 81,499	\$ 81,132	\$ 80,292
Net investment in plant, rental machines					
and other property	17,590	19,631	18,347	17,407	16,579
Working capital	3,577	5,533	6,911	6,695	9,043
Total debt	28,354	29,413	26,926	22,829	21,629
Stockholders' equity	20,511	19,433	19,816	21,628	22,423

\* Adjusted to reflect a two-for-one stock split effective May 10, 1999.

#### Selected Quarterly Data

(Dollars in millions except per share amounts and stock prices)

				Per Share of Common Stock				
				Earnin	igs			
		Gross	Net	Assuming			Stock	Prices**
	Revenue	Profit	Income	Dilution	Basic	Dividends	High	Low
1999								
First quarter	\$ 20,317	\$ 7,258	\$ 1,470	\$.78	\$ 0.80	\$.11*	\$ 99.63*	\$ 80.88*
Second quarter	21,905	8,224	2,391	1.28	1.32	.12	132.00	81.50*
Third quarter	21,144	7,564	1,762	.93	.97	.12	139.19	117.56
Fourth quarter	24,182	8,883	2,089	1.12	1.16	.12	123.25	89.00
Total	\$ 87,548	\$ 31,929	\$ 7,712	<b>\$ 4.12</b> <sup>†</sup>	\$ 4.25	\$.47		
1998								
First quarter	\$ 17,618	\$ 6,450	\$ 1,036	\$.53*	\$.54*	\$.10*	\$ 54.19*	\$ 47.81*
Second quarter	18,823	7,146	1,452	.75*	.77*	.11*	64.66*	51.66*
Third quarter	20,095	7,467	1,494	.78*	.80*	.11*	69.06*	55.38*
Fourth quarter	25,131	9,809	2,346	1.24*	1.27*	.11*	94.97*	<b>58.41</b> *
Total	\$ 81,667	\$ 30,872	\$ 6,328	\$ 3.29* <sup>†</sup>	\$ 3.38*	\$.43*		

\* Adjusted to reflect a two-for-one stock split effective May 10, 1999.

\* Earnings Per Share (EPS) in each quarter is computed using the weighted-average number of shares outstanding during that quarter while EPS for the full year is computed using the weighted-average number of shares outstanding during the year. Thus, the sum of the four quarters' EPS does not equal the full-year EPS. \*\* The stock prices reflect the high and low prices for IBM's common stock on the New York Stock Exchange composite tape for the last two years.

International Business Machines Corporation and Subsidiary Companies

#### **IBM Stockholder Services**

Stockholders with questions about their accounts should contact: EquiServe, First Chicago Trust Division Mail Suite 4688

P.O. Box 2530 Jersey City, New Jersey 07303-2530 (888) IBM-6700 Investors residing outside the United States, Canada and Puerto Rico should call (201) 324-0405.

Stockholders can also reach EquiServe, First Chicago Trust Division, via the Internet at: ibmfct@equiserve.com

Hearing-impaired stockholders with access to a telecommunications device (TDD) can communicate directly with EquiServe, First Chicago Trust Division, by calling (800) 490-1493. Stockholders residing outside the United States, Canada and Puerto Rico should call (201) 222-4489.

#### IBM on the Internet

Topics featured in this Annual Report can be found via the IBM home page on the Internet (http://www.ibm.com). Financial results, news on IBM products, services and other activities can also be found via that address. Stockholders of record can receive online account information and answers to frequently asked questions regarding stockholder accounts via the internet (http://www.ibm.com/investor).

Stockholder of record can also consent to receive future IBM Annual Reports and Proxy Statements online through the Internet at this site.

#### **IBM Investor Services Program**

The Investor Services Program brochure outlines a number of services provided for IBM stockholders and potential IBM investors, including the reinvestment of dividends, direct purchase and the deposit of IBM stock certificates for safekeeping. Call (888) 421-8860 for a copy of the brochure. Investors residing outside the United States, Canada and Puerto Rico should call (201) 324-0405.

#### **Annual Meeting**

The IBM Annual Meeting of Stockholders will be held on Tuesday, April 25, 2000, at 10 a.m. (EST) in the Grand Ballroom at the Renaissance Cleveland Hotel in Cleveland, Ohio.

#### IBM Stock

IBM common stock is listed on the New York Stock Exchange, on other exchanges in the United States and around the world.

#### Stockholder Communications

Stockholders in the United States and Canada can get quarterly financial results, listen to a summary of Mr. Gerstner's Annual Meeting remarks and hear voting results from the meeting by calling (800) IBM-7800. Callers can also request printed copies of the information via mail or fax. Stockholders residing outside the United States, Canada and Puerto Rico should call (402) 573-9861. Investors with other requests may write to:

Investors with other requests may write to: IBM Stockholder Relations IBM Corporation New Orchard Road Armonk, New York 10504

#### Literature for IBM Stockholders

The following literature on IBM is available without charge from EquiServe, First Chicago Trust Division Mail Suite 4688 P.O. Box 2530 Jersey City, New Jersey 07303-2530 (888) IBM-6700 Investors residing outside the United States, Canada and Puerto Rico should call (201) 324-0405.

The Form 10-K Annual Report and Form 10-Q Quarterly Reports to the SEC provide additional information on IBM's business. The 10-K is issued in March; 10-Q reports are released in May, August and November.

An audio cassette recording of the 1999 Annual Report will be available for sight-impaired stockholders in June.

IBM Credit Corporation's Annual Report is available in April.

"IBM Environment and Well-Being: Progress Report" reports on IBM's environmental, safety and energy programs.

"Valuing Diversity: An Ongoing Commitment" communicates to the company's entire community of employees, customers, stockholders, vendors, suppliers, business partners and employment applicants the importance IBM places on the diversity of the company's workplace and marketplace.

#### **General Information**

For answers to general questions about IBM from within the continental United States, call (800) IBM-4YOU. From outside the United States, call (770) 863-1234.

#### Corporate Offices

International Business Machines Corporation New Orchard Road Armonk, New York 10504 (914) 499-1900

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G507-0501-05

# board of directors and senior management

International Business Machines Corporation and Subsidiary Companie

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# a quick look back

In January of this year, we sampled expert opinion – including IBM employees, via a survey on our intranet – to compile a list of IBM's most significant contributions to the 20th century. Herewith our top 10 (and three more we couldn't resist).

# Hollerith Tabulating

Machine, 1890 Punch-card tabulating machine first demonstrated the possibilities of large-scale automated computation and came of age with U.S. Social Security accounting in 1937.

#### Disk Storage, 1956

Beginning with the original RAMAC disk drive, IBM has introduced every significant advance in magnetic disk technology.

#### Relational Database and SQL (Structured Query Language), 1970 This more flexible, standardized way to store and retrieve data became the foundation for most modern data management systems, including IBM's hugely popular DB2. SQL is an industry standard for database access.

# RISC (Reduced Instruction Set Computer) Architecture,

1980 Boosts computer speed by using simplified machine instructions for frequently used functions. It is the basis for most workstations and UNIXbased servers in use today. Three more for the ages. They didn't make the top 10, but we couldn't exit the 20th century without a bow to:



#### FORTRAN (FORmula TRANslation Language), 1957

The first modern computer language, and still the basis for all important numerical analysis programs.

# Manned Space Exploration,

1960s-today In a long partnership with NASA, IBM developed systems for telemetry monitoring, trajectory calculations, mission command, and fail-safe software for running multiple programs at once.

System/360, 1964 Redefined business computing by introducing the concept of compatibility across a family of systems and peripheral equipment.

# Single-cell DRAM (Dynamic Random Access Memory),

**1966** The one-transistor memory cell became the mainstay of modern computer memory systems. DRAMs have been called the "crude oil" of the information age.

#### **IBM Personal Computer**,

1981 Introduced personal computing to a mass market and helped legitimize the then-novel PC for the business world.

e-business, 1997 IBM coined the term and defined an enormous new industry category to describe the broad implications of the Internet as a medium for real business and institutional transformation.

#### Selectric Typewriter, 1961

Iconic "golf ball" typing element symbolized stunningly elegant product design and prefigured modern-day word processing.

IBM Logo, 1972 Paul Rand's classic eight-bar design has withstood the test of time. It focused attention on the importance of corporate branding and the central role a company's ubiquitous logo could play in maintaining it.

Deep Blue, 1997 First computer to defeat a reigning chess world champion. The win sparked a fundamental re-examination of the relationship between people and machines.

