WASHINGTON, D.C. 20549
Form 10-Q
(Mark One)
[X] QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended May 2, 1998
OR
[ ] TRANSITION REPORT PURSUANT TO SECTION 13 OR 15 (d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the Transition period from $\qquad$ to $\qquad$ Commission File No. 1-7819

Analog Devices, Inc.
(Exact name of registrant as specified in its charter)

Massachusetts
(State or other jurisdiction of incorporation or organization)

One Technology Way, Norwood, MA
(Address of principal executive offices)

04-2348234
(I.R.S. Employer Identification No.)

02062-9106
(Zip Code)
(781) 329-4700
(Registrant's telephone number, including area code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15 (d) of the Securities Exchange Act of 1934 during the preceding 12 months (or such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. YES [X] NO

The number of shares outstanding of each of the issuer's classes of Common Stock as of May 29, 1998 was $162,924,214$ shares of Common Stock.

ITEM 1. FINANCIAL STATEMENTS
ANALOG DEVICES, INC.
CONDENSED CONSOLIDATED STATEMENTS OF INCOME
(Unaudited)
(thousands except per share amounts)

|  | Three Mo | Ended |
| :---: | :---: | :---: |
|  | May 2, 1998 | May 3, 1997 |
| Net sales | \$333, 109 | \$300, 813 |
| Cost of sales | 169,426 | 150,544 |
| Gross margin | 163,683 | 150,269 |
| Operating expenses: |  |  |
| Research and development | 56,190 | 47,768 |
| Selling, marketing, general and administrative | 57,014 | 46,859 |
| Gain on sale of business, net | $(13,100)$ | - - |
|  | 100,104 | 94,627 |
| Operating income | 63,579 | 55,642 |
| Nonoperating expenses (income): |  |  |
| Interest expense | 3,103 | 2,973 |
| Interest income | $(4,318)$ | $(3,976)$ |
| Other | 996 | 477 |
|  | (219) | (526) |
| Income before income taxes | 63,798 | 56,168 |
| Provision for income taxes | 15,358 | 14, 051 |
| Net income | \$ 48, 440 | \$ 42, 117 |
| Shares used to compute basic earnings per share | 162,124 | 158,714 |
| Basic earnings per share | \$ 0.30 | \$ 0.27 |
| Shares used to compute diluted earnings per share | 179,427 | 176,104 |
| Diluted earnings per share | \$ 0.28 | \$ 0.25 |

See accompanying notes.

ANALOG DEVICES, INC.
CONDENSED CONSOLIDATED STATEMENTS OF INCOME
(Unaudited)
(thousands except per share amounts)

|  | Six Months Ended |  |
| :---: | :---: | :---: |
|  | May 2, 1998 | May 3, 1997 |
| Net sales | \$663, 830 | \$592, 876 |
| Cost of sales | 332, 086 | 299,165 |
| Gross margin | 331,744 | 293,711 |
| Operating expenses: |  |  |
| Research and development | 111,165 | 93,472 |
| Selling, marketing, general and administrative <br> Gain on sale of business, net | $\begin{aligned} & 112,660 \\ & (13,100) \end{aligned}$ | 91,990 |
|  | 210,725 | 185,462 |
| Operating income | 121, 019 | 108,249 |
| Nonoperating expenses (income): |  |  |
| Interest expense | 5,532 | 6,753 |
| Interest income | $(8,299)$ | $(7,370)$ |
| Other | 1,781 | 470 |
|  | (986) | (147) |
| Income before income taxes | 122,005 | 108,396 |
| Provision for income taxes | 29,281 | 27,099 |
| Net income | \$ 92,724 | \$ 81, 297 |
| Shares used to compute basic earnings per share | 161,574 | 158,615 |
| Basic earnings per share | \$ 0.58 | \$ 0.52 |
| Shares used to compute diluted earnings per share | 178,787 | 176, 027 |
| Diluted earnings per share | \$ 0.54 | \$ 0.48 |

See accompanying notes.

## Assets

Cash and cash equivalents Short-term investments Accounts receivable, net Inventories:

Finished goods
Work in process
Raw materials

Deferred tax assets
Prepaid expenses

Total current assets

Property, plant and equipment, at cost:
Land and buildings
Machinery and equipment
Office equipment
Leasehold improvements

Less accumulated depreciation and amortization

Net property, plant and equipment

Investments
Intangible assets, net
Other assets
Total other assets

May 2, 1998
November 1, 1997
May 3, 1997
----------
$\$ \quad 286,105$
33,819
242,981

97,554
141,867
27,558

266, 979 63,500 18,473

911, 857
-------

158,598
1, 022, 398
63, 091
95,939
1, 340, 026

619, 059

720, 967
----------

191, 623
17, 227
57,875
266, 725
\$1, 899, 549
=========

| \$ 289,601 | \$ | 234,393 |
| :---: | :---: | :---: |
| 51, 006 |  | 68,198 |
| 255,886 |  | 233,327 |
| 66,253 |  | 59,243 |
| 128,187 |  | 129, 092 |
| 31, 526 |  | 29,444 |
| 225,966 |  | 217,779 |
| 54, 761 |  | 54,500 |
| 18,209 |  | 16,060 |
| 895,429 |  | 824, 257 |


| 145,952 | 143,677 |
| :---: | :---: |
| 938,602 | 856,606 |
| 58,714 | 53, 230 |
| 87,407 | 81,599 |
| 1,230,675 | 1,135,112 |
| 569,040 | 525,933 |
| 661,635 | 609,179 |
| 131,468 | 122,343 |
| 14,768 | 15,817 |
| 60,553 | 31,838 |
| 206,789 | 169,998 |
| \$1, 763,853 | \$1,603,434 |

See accompanying notes.

ANALOG DEVICES, INC.
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)
(thousands except share amounts)
Liabilities and Stockholders'
Equity

Short-term borrowings and current portion of long-term debt
Obligations under capital leases Accounts payable
Deferred income on shipments to domestic distributors
Income taxes payable
Accrued liabilities
Total current liabilities

Long-term debt
Noncurrent obligations under capital leases
Deferred income taxes
Other noncurrent liabilities
Total noncurrent liabilities

Commitments and Contingencies
Stockholders' equity:
Preferred stock, \$1.00 par value, 500, 000 shares authorized, none outstanding
Common stock, \$. 16 2/3 par value, 600,000,000 shares authorized, $163,578,201$ shares issued (161,941, 094 in November 1997, 160, 285, 212 in May 1997) Capital in excess of par value Retained earnings Cumulative translation adjustment

Less 24,682 shares in treasury, at cost (35,094 in November 1997 and 26,464 in May 1997)

Total stockholders' equity

May 2, 1998
-----------
November 1, 1997
May 3, 1997
\$

| \$ | 332 |
| ---: | ---: |
| 11,954 |  |
| 95,811 |  |
|  |  |
| 47,788 |  |
| 64,335 |  |
| 84,268 |  |
| ------ |  |
| 304,488 |  |

11,733
97,654
37,013
52, 550
75, 444
---------
---------

309, 989

32, 863
24, 000
36,716
403, 568
---------
27,26
233,29
924,308
7,195
\$1, 899, 549
==========

26, 991
223, 885
831, 584
6,724
1, 089, 184

1, 054
1, 088, 130
----------
=========

26,715
182,678
734, 663
5,199
949, 255

653
948, 602
\$1,603,434
==========

See accompanying notes.

## Six Months Ended

May 2, $1998 \quad$ May 3, 1997
\$ 92,724
\$ 81, 297

61, 002
48,564
3, 253
2,985
(116)
$(6,232)$
$(3,319)$
45, 201
61, 774
------
154, 498
126,498
---------2

## INVESTMENTS

Cash flows from investments:
Additions to property, plant and equipment, net
Maturities of short-term investments available for sale
Purchases of short-term investments available for sale
Long-term investments
Increase in other assets

Net cash used for investments

## FINANCING ACTIVITIES

Cash flows from financing activities:
Proceeds from employee stock plans
Payments on capital lease obligations
Proceeds from equipment financing
Net increase (decrease) in variable rate borrowings

Net cash provided by financing activities

Effect of exchange rate changes on cash

Net (decrease) increase in cash and cash equivalents
Cash and cash equivalents at beginning of period

Cash and cash equivalents at end of period

SUPPLEMENTAL INFORMATION
Cash paid during the period for:
Income taxes

Interest
$(119,292)$
$(73,748)$
94, 370
89,810
$(77,183) \quad(68,198)$
$(54,228)$
$(6,152)$
$(53,961)$
$(5,524)$
$(162,485)$
$(111,621)$

| $\begin{gathered} 8,775 \\ (5,768) \end{gathered}$ | $\begin{gathered} 4,791 \\ (5,505) \end{gathered}$ |
| :---: | :---: |
| - | 7,123 |
| 315 | $(1,964)$ |
| 3,322 | 4,445 |
| 1,169 | 4,962 |
| $(3,496)$ | 24,284 |
| 289,601 | 210,109 |
| \$ 286,105 | \$ 234, 393 |
| \$ 18,962 | \$ 21,640 |
| \$ 7,830 | \$ 8,114 |

Analog Devices, Inc.
Notes to Condensed Consolidated Financial Statements
May 2, 1998

Note 1 - In the opinion of management, the information furnished in the accompanying financial statements reflects all adjustments which are necessary to fairly state the results for this interim period and should be read in conjunction with the most recent Annual Report to Stockholders.

Note 2 - Certain amounts reported in the previous year have been reclassified to conform to the 1998 presentation.

## Note 3 - Investments

During the first quarter of fiscal 1998 the Company made the final payment of $\$ 56$ million in connection with its joint venture with Taiwan Semiconductor Manufacturing Company ("TSMC") and other investors for the construction and operation of a semiconductor fabrication facility in Camas, Washington ("WaferTech"). The Company has invested $\$ 140$ million in WaferTech and has an $18 \%$ equity ownership in the joint venture.

## Note 4 - Gain on Sale of Business

During the second quarter of fiscal 1998, the Company completed the sale of its disk drive IC business to Adaptec, Inc. This disposal is in line with the Company's strategic decision to concentrate on other areas of its business, specifically analog ICs and DSP products. The Company received approximately $\$ 27$ million in cash for the disk drive product line and after providing for the write-off of inventory, fixed assets and other costs incurred to complete the transaction, recorded a net gain of approximately $\$ 13$ million. The Company has entered into other arrangements with Adaptec that provide for payments to the Company aggregating $\$ 13$ million for assisting Adaptec in future research and development efforts and up to $\$ 20$ million in royalties based on sales by Adaptec of products incorporating the acquired ADI technology.

## Note 5 - Earnings Per Share

In February 1997, the Financial Accounting Standards Board issued Statement No. 128, "Earnings per Share", which the Company adopted in the first quarter of fiscal 1998. The Company changed the method used to compute earnings per share and will restate all prior periods. Under the new requirements, primary and fully diluted earnings per share were replaced by basic and diluted earnings per share. Basic earnings per share is computed based only on the weighted average number of common shares outstanding during the period and the dilutive effect of future issues of common stock relating to stock option programs and convertible debt financing is excluded. Diluted earnings per share is computed essentially in the same manner as fully diluted earnings per share with some exceptions. The primary exception affecting the Company's calculation of diluted EPS is that the dilutive effect of stock options is always based on the average market price of the stock during the period, not the higher of the average and period end market price which was required under APB 15. The following table sets forth the computation of basic and diluted earnings per share:

Analog Devices, Inc.
Notes to Condensed Consolidated Financial Statements (Continued)
May 2, 1998

Note 5 - Earnings Per Share (Continued)

|  | Three Mon | , Ended |
| :---: | :---: | :---: |
|  | May 2, 1998 | May 3, 1997 |
| Net income | \$ 48,440 | \$ 42,117 |
| Weighted average common shares outstanding | 162,124 | 158,714 |
| BASIC EARNINGS PER SHARE | \$ 0.30 | \$ 0.27 |
| Net income | \$ 48,440 | \$ 42,117 |
| Interest related to convertible subordinated notes, net of tax | 1,453 | 1,425 |
| Earnings available for common stock | \$ 49,893 | \$ 43, 542 |
| Weighted average common shares outstanding | 162,124 | 158,714 |
| Assumed exercise of common stock equivalents | 6,319 | 6,405 |
| Assumed conversion of subordinated notes | 10,984 | 10,985 |
| Weighted average common and common equivalent shares | 179,427 | 176,104 |
| diluted earnings per share | \$ 0.28 | \$ 0.25 |
|  | Six Mon | ( Ended |
|  | May 2, 1998 | May 3, 1997 |
| Net income | \$ 92,724 | \$ 81, 297 |
| Weighted average common shares outstanding | 161,574 | 158,615 |
| BASIC EARNINGS PER SHARE | \$ 0.58 | \$ 0.52 |
| Net income | \$ 92,724 | \$ 81, 297 |
| Interest related to convertible subordinated notes, net of tax | 2,864 | 2,850 |
| Earnings available for common stock | \$ 95,588 | \$ 84,147 |
| Weighted average common shares outstanding | 161,574 | 158,615 |
| Assumed exercise of common stock equivalents | 6,229 | 6,427 |
| Assumed conversion of subordinated notes | 10,984 | 10,985 |
| Weighted average common and common equivalent shares | 178,787 | 176,027 |

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

This information should be read in connection with the unaudited consolidated condensed financial statements and the notes thereto included in Item 1 of this Quarterly Report and the audited consolidated financial statements and notes thereto and Management's Analysis for the fiscal year ended November 1, 1997, contained in the Annual Report on Form 10-K.

The following discussion and analysis may contain forward-looking statements. Such statements are subject to certain risks and uncertainties, including those discussed below or in the Company's Form 10-K for the fiscal year ended November 1, 1997, that could cause actual results to differ materially from the Company's expectations. Readers are cautioned not to place undue reliance on any forward-looking statements, as they reflect management's analysis only as of the date hereof. The Company undertakes no obligation to release the results of any revision to these forward-looking statements which may be made to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

## Results of Operations

Net sales for the second quarter of fiscal 1998 were $\$ 333$ million, an increase of $11 \%$ from the $\$ 301$ million reported for the second quarter of fiscal 1997. Net sales for the first two quarters of fiscal 1998 were $\$ 664$ million, an increase of $12 \%$ from the $\$ 593$ million reported for the comparable period of fiscal 1997. Excluding revenue from the disk drive IC business, which was sold during the second quarter of fiscal 1998, revenue increased $16 \%$ as compared to the second quarter of fiscal 1997 and $18 \%$ as compared to first half of fiscal 1997. For both the second quarter of fiscal 1998 and the six months ended May 2, 1998 the growth is due to higher sales volumes of standard linear IC products which more than offset a decline in demand for GSM (Global Systems for Mobile communications) chipsets. Consistent with the current market environment for the semiconductor industry, the Company has experienced diminished backlog and a softening of demand for its products, which has resulted in increased levels of inventory and more dependence on orders that are received and shipped in the same quarter.

The gross margin for the second quarter of fiscal 1998 was $49.1 \%$, compared to $50.0 \%$ for the second quarter of fiscal 1997. The gross margin was $50.0 \%$ for the first half of fiscal 1998 compared to $49.5 \%$ for the first half of fiscal 1997. Overall, gross margin in fiscal 1998 benefited from a sales mix shift in favor of higher margin products. The margin in the second quarter of fiscal 1998 was adversely affected by additional inventory reserves of $\$ 8$ million associated with older GSM chipsets.

Research and development expenses were $16.9 \%$ and $16.7 \%$ of sales for the three months and six months ended May 2, 1998, compared to $15.9 \%$ and $15.8 \%$ of sales for the corresponding periods of fiscal 1997. These increases were partly due to an increase in customer funded initiatives and to the continued development of innovative SLIC products and processes and higher spending for the development of new products utilizing the Company's high-speed linear and digital signal processing technologies. The Company believes that a continued commitment to research and development is essential in order to maintain product leadership with its existing products and to provide innovative new product offerings, and therefore, expects to continue to make significant investments in research and development in the future.

Selling, marketing, general \& administrative ("SMG\&A") expenses for the second quarter of fiscal 1998 were $\$ 57$ million an increase of $\$ 10$ million from the $\$ 47$ million reported for second quarter of fiscal 1997. SMG\&A expense for the six months ended May 2, 1998 were $\$ 113$ million and increase of $\$ 21$ million from the $\$ 92$ million for the six months ended May 3, 1997. These increases are primarily attributable to a charge of $\$ 6$ million recorded in the second quarter related to the consolidation and realignment of the Company's North American third-party distribution channel and initiatives to streamline the Company's cost structure. In addition, the first quarter of fiscal 1998 included an $\$ 8$ million charge related to bad debt reserves.

During the second quarter of fiscal 1998, the Company completed the sale of its disk drive IC business to Adaptec, Inc. This disposal is in line with the Company's strategic decision to concentrate on other areas of its business, specifically analog ICs and DSP products. The Company received approximately $\$ 27$ million in cash for the disk drive product line and after providing for the write-off of inventory, fixed assets and other costs incurred to complete the transaction, recorded a net gain of approximately $\$ 13$ million. The Company has entered into other arrangements with Adaptec that provide for payments to the Company aggregating $\$ 13$ million for assisting Adaptec in future research and development efforts and up to $\$ 20$ million in royalties based on sales by Adaptec of products incorporating the acquired ADI technology.

The effective income tax rate decreased to $24 \%$ for the second quarter and the first six month period of fiscal 1998 from $25 \%$ for the second quarter and first six month period of fiscal 1997 due to a shift in the mix of worldwide profits.

Net income for the second quarter of fiscal 1998 of $\$ 48$ million increased $15 \%$ compared to the second quarter of fiscal 1997. Net income for the first half of fiscal 1998 of $\$ 93$ million increased $14 \%$ compared to the first half of fiscal 1997. Diluted earnings per share were $\$ 0.28$ and $\$ 0.54$ for the three months and six months ended May 2, 1998, compared to $\$ 0.25$ and $\$ 0.48$ for the comparable periods of fiscal 1997 an increase of $12 \%$ and $12.5 \%$, respectively.

## Liquidity and Capital Resources

At May 2, 1998, cash, cash equivalents and short-term investments totaled \$320 million. The Company's primary source of funds for the first six months of fiscal 1998 was $\$ 154$ million of cash provided by operations. The principal uses of funds in the first six months of fiscal 1998 were a $\$ 56$ million payment made in connection with the Company's joint venture agreement and the purchase of $\$ 119$ million of property, plant and equipment.

Accounts receivable totaled $\$ 243$ million at the end of the second quarter of fiscal 1998, a decrease of $\$ 3$ million from the first quarter of fiscal 1998, and $\$ 13$ million from the fourth quarter of fiscal 1997 and an increase of $\$ 10$ million from the second quarter of fiscal 1997. The number of days sales outstanding has consistently decreased to 66 days for the second quarter of fiscal 1998, compared to 68, 70 and 71 for the first quarter of fiscal 1998, the fourth quarter of fiscal 1997 and the second quarter of fiscal 1997, respectively.

Inventories of $\$ 267$ million at May 2, 1998 rose $\$ 41$ million compared to the fourth quarter of fiscal 1997 and were $\$ 49$ million above the second quarter of fiscal 1997. Inventory as a percentage of annualized quarterly sales increased to $20 \%$ at May 2, 1998 compared to $17 \%$ for the fourth quarter of fiscal 1997 and 18\% for the second quarter of fiscal 1997. The increase in inventory levels was a result of the increase in manufacturing capacity over the past year, combined with the current slowdown in demand. The current inventory levels will allow the Company to respond to the expected resumption in demand.

Net additions to property, plant and equipment of $\$ 57$ million for the second quarter of fiscal 1998 were funded with cash generated from operations. Capital expenditures related to the Company's continued upgrade and expansion of its existing manufacturing facilities worldwide.

The Company currently plans to spend approximately $\$ 175$ million on capital expenditures during fiscal 1998, primarily in connection with the continued expansion of its manufacturing capacity.

At May 2, 1998, the Company's principal sources of liquidity were $\$ 320$ million of cash and cash equivalents and short-term investments. In addition, the Company has various lines of credit both in the U.S. and overseas, including a $\$ 60$ million credit facility in the U.S. which expires in 2000, all of which were substantially unused at May 2, 1998. At May 2, 1998, the Company's debt-to-equity ratio was $30 \%$.

The Company believes that its existing sources of liquidity and cash expected to be generated from future operations, together with current and anticipated available long-term financing, will be sufficient to fund operations, capital expenditures and research and development efforts for the foreseeable future.

## Factors Which May Affect Future Results

The Company's future operating results are difficult to predict and may be affected by a number of factors including the timing of new product announcements or introductions by the Company and its competitors, competitive pricing pressures, fluctuations in manufacturing yields, adequate availability of wafers and manufacturing capacity, changes in product mix and economic conditions in the United States and international markets. In addition, the semiconductor market has historically been cyclical and subject to significant economic downturns at various times. This can cause customer and distributor inventory levels to fluctuate and can disrupt the order patterns from both customers and distributors. The Company is exposed to the risk of obsolescence of its inventory depending on the mix of future business. As a result of these and other factors, there can be no assurance that the Company will not experience material fluctuations in future operating results on a quarterly or annual basis.

The Company's success depends in part on its continued ability to develop and market new products. There can be no assurance that the Company will be able to develop and introduce new products in a timely manner or that such products, if developed, will achieve market acceptance. In addition, the Company's growth is dependent on its continued ability to penetrate new markets such as the communications, computer and automotive segments of the electronics market, where the Company has limited experience and competition is intense. There can be no assurance that the markets being served by the Company will grow in the future; that the Company's existing and new products will meet the requirements of such markets; that the Company's products will achieve customer acceptance in such markets; that competitors will not force prices to an unacceptably low level or take market share from the Company; or that the Company can achieve or maintain profits in these markets. Also, some of the customers in these markets are less well established which could subject the Company to increased credit risk.

The semiconductor industry is intensely competitive. Certain of the Company's competitors have greater technical, marketing, manufacturing and financial resources than the Company. The Company's competitors also include emerging companies attempting to sell products to specialized markets currently served by the Company. Competitors of the Company have, in some cases, developed and marketed products having similar design and functionality as the Company's products. There can be no assurance that the Company will be able to compete successfully in the future against existing or new competitors or that the Company's operating results will not be adversely affected by increased price competition.

The Company has substantially increased its manufacturing capacity through both expansion of its production facilities and increased access to third-party foundries; there can be no assurance that the Company will not encounter unanticipated production problems at either its own facilities or at third-party foundries; or if the demand were to increase significantly that the increased capacity would be sufficient to satisfy demand for its products. The Company relies, and plans to continue to rely, on assembly and test subcontractors and on third-party wafer fabricators to supply most of its wafers that can be manufactured using industry-standard digital processes, and such reliance involves several risks, including reduced control over delivery schedules, manufacturing yields and costs. In addition, the Company's capacity additions will result in a significant increase in operating expenses, and if revenue levels do not increase to offset these additional expense levels, the Company's future operating results could be adversely affected, including the potential adverse impact in operating results for "take or pay" covenants in certain of its supply agreements. While the Company tries to ensure that its manufacturing capacity and demand for its products are in relative balance, no assurance can be given that from time to time an imbalance between the Company's manufacturing capacity and the demand for its products would not occur. Any such imbalance could adversely affect the Company's consolidated results of operations.

For the first six months of fiscal 1998, 51\% of the Company's revenues were derived from customers in international markets. The Company has manufacturing facilities outside the U.S., in Ireland, the Philippines and Taiwan. The Company also has supply agreements that include "take or pay" covenants with suppliers located in Southeast Asia ("SEA") and as part of these arrangements, the Company has $\$ 26$ million on deposit with two of these suppliers. The Company also has a $\$ 21$ million investment with one of these suppliers. In addition, the Company's major partner in its joint venture, WaferTech, is TSMC which is located in the SEA region. The Company is therefore subject to the economic and political risks inherent in international operations, including risks associated with the ongoing uncertainties in the economies in SEA. These risks include air transportation disruptions, expropriation, currency controls and changes in currency exchange rates, tax and tariff rates and freight rates. Although the Company engages in certain hedging transactions to reduce its exposure to currency exchange rate fluctuations, there can be no assurance that the Company's competitive position will not be adversely affected by changes in the exchange rate of the U.S. dollar against other currencies.

The semiconductor industry is characterized by frequent claims and litigation involving patent and other intellectual property rights. The Company has from time to time received, and may in the future receive, claims from third parties asserting that the Company's products or processes infringe their patents or other intellectual property rights. In the event a third party makes a valid intellectual property claim and a license is not available on commercially reasonable terms, the Company's operating results could be materially and adversely affected. Litigation may be necessary to enforce patents or other intellectual property rights of the Company or to defend the Company against claims of infringement, and such litigation can be costly and divert the attention of key personnel. See the Company's Annual Report on form $10-\mathrm{K}$ for the fiscal year ended November 1, 1997 for information concerning certain pending litigation involving the Company. An adverse outcome in such litigation, may, in certain cases, have a material adverse effect on the Company's consolidated financial position or on its consolidated results of operations or cash flows in the period in which the litigation is resolved.

The Company has installed Year 2000 compliant software in many of its major systems. A task force is engaged in the ongoing effort to complete this activity for the balance of the Company's systems. The cost of these efforts is not expected to be material. The Company presently believes that the Year 2000 issue will not pose significant operational problems. However, Year 2000 issues could have a significant impact on the Company's operations and its financial results if modifications cannot be completed on a timely basis; unforeseen needs or problems arise; or, if the systems operated by the Company's customers, vendors or subcontractors are not Year 2000 compliant.

Because of these and other factors, past financial performance should not be considered an indicator of future performance. Investors should not use historical trends to anticipate future results and should be aware that the trading price of the Company's common stock may be subject to wide fluctuations in response to quarter-to-quarter variations in operating results, general conditions in the semiconductor industry, changes in earnings estimates and recommendations by analysts or other events.

Item 4. Submission of Matters to a Vote of Security Holders
At the Annual Meeting of Stockholders held on March 10, 1998, the stockholders of the Company elected Messers. Jerald G. Fishman and F. Grant Saviers to serve as Class II Directors for a term of three years by the following votes:

| Nominee | Votes for | Votes Withheld | Broker Non Votes |
| :---: | :---: | :---: | :---: |
| Jerald G. Fishman | 136,971,458 | 824,118 | -0- |
| F. Grant Saviers | 136,890, 786 | 904,790 | -0- |

The terms of office of Messrs. John L. Doyle, Samuel H. Fuller, Charles 0. Holliday, Jr., Joel Moses, Lester C. Thurow and Ray Stata continued after the meeting.

At the same meeting, the stockholders approved the adoption of the 1998 Stock Option Plan, which replaces the Company's 1988 Stock Option Plan, and allows for the grant of up to 15 million shares of Common Stock (subject to adjustment in the event of stock splits, stock dividends and other similar events), by a vote of $78,460,614$ in favor, $43,560,284$ opposed and 354,859 abstaining. There were 15,419,819 broker non-votes on the proposal.

At the same meeting, the stockholders approved amendments to the Company's 1994 Director Option Plan, by a vote of 111,907,918 in favor, 9,785,761 opposed and 682,078 abstaining. There were 15,419,819 broker non-votes on the proposal.

Stockholders also ratified the selection by the Board of Directors of Ernst \& Young LLP as the Company's independent auditors for the fiscal year ending October 31, 1998, by a vote of $137,346,956$ in favor, 110,002 opposed and 338,618 abstaining.

Item 6. Exhibits and reports on Form 8-K
(a) See Exhibit Index
(b) Form 8-K - Reporting Date - March 19, 1998

Item reported - Item 5. Other Events. On March 19, 1998 the Registrant filed information relating to the March 10, 1998 declaration of a dividend, by the Board of Directors of the Company, of one Right for each outstanding share of the Company's Common Stock to stockholders of record at the close of business on March 23, 1998.

## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Analog Devices, Inc.
(Registrant)

By: /s/ Jerald G. Fishman
-------------------------------
Jerald G. Fishman
President and
Chief Executive Officer (Principal Executive Officer)

By: /s/ Joseph E. McDonough
Joseph E. McDonough Vice President-Finance and Chief Financial Officer (Principal Financial and Accounting Officer)

## EXHIBIT INDEX

## Analog Devices, Inc.

27 Financial Data Schedule

1, 000
U.S. DOLLARS

6-MOS
OCT-31-1998
NOV-02-1998 MAY-02-1998

1
286,105
33, 819
242,981
266,979
911, 857
1,340,026
619, 059
1,899,549
304, 488
309,989
0
27,264
1,164,229
1, 899, 549

| 663,830 |  |
| :---: | :---: |
| $663,830 \quad 332,086$ |  |
| 332,086 |  |
| 210,725 |  |
| 0 |  |
| 5,532 |  |
| 122,005 |  |
| 29,281 |  |
| 92,724 |  |
| 0 |  |
| 92,724 |  |
| .58 |  |
| .54 |  |

