

PROXY STATEMENT PURSUANT TO SECTION 14(a) OF THE SECURITIES EXCHANGE ACT OF 1934 (AMENDMENT NO.)

Filed by the Registrant [X]

Filed by a Party other than the Registrant []

Check the appropriate box:

- Preliminary Proxy Statement
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to 240.14a-11(c) or 240.14a-12

APPLIED MATERIALS, INC.

(Name of Registrant as Specified In Its Charter)

Donald A. Slichter, Secretary

(Name of Person(s) Filing Proxy Statements)

Payment of Filing Fee (Check the appropriate box):

- No fee.
- \$125 per Exchange Act Rules 0-11(c)(1)(ii), or 14a-6(i)(1), or 14a-6(i)(2).
- \$500 per each party to the controversy pursuant to Exchange Act Rule 14a-6(i)(3).
- Fee computed on table below per Exchange Act Rules 14a-6(i)(4) and 0-11.

(1) Title of each class of securities to which transaction applies:

(2) Aggregate number of securities to which transaction applies:

(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11:

(4) Proposed maximum aggregate value of transaction:

Set forth the amount on which the filing fee is calculated and state how it was determined:

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(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

APPLIED MATERIALS

James C. Morgan
CHAIRMAN

CHIEF EXECUTIVE OFFICER
February 9, 1998

Dear Applied Materials Stockholder:

We cordially invite you to attend Applied Materials' 1998 Annual Meeting of Stockholders which will be held at the Omni Austin Hotel at Southpark, 4140 Governor's Row, Austin, Texas on Tuesday, March 17, 1998 at 3:00 p.m. At the meeting, the stockholders will elect nine directors and vote on proposals to amend the Company's Certificate of Incorporation to increase the number of shares of Common Stock authorized to be issued from 500,000,000 to 1,100,000,000, and to approve an increase of 18,000,000 in the number of shares authorized for issuance under the 1995 Equity Incentive Plan (the "1995 Plan").

The need for amending the Certificate of Incorporation has arisen because the 100% stock dividend distributed in October depleted the pool of authorized but unissued shares of Common Stock by approximately 183,467,000 shares. As of January 23, 1998, approximately 366,266,000 shares are outstanding, and approximately 53,404,000 shares are reserved for issuance under the Company's various employee benefit plans. Under the current authorization of 500,000,000 shares, only about 80,330,000 authorized shares are available to the Company for such potentially important purposes as additional stock dividends (if any), public offerings (if any), acquisitions (if any) or other corporate purposes. If the proposed amendment is approved, the resulting number of authorized, unissued and unreserved shares would, for example, permit the Board of Directors to declare an additional 100% stock dividend without another amendment to the Certificate of Incorporation. Although no such action is currently being contemplated, the Board of Directors believes such flexibility to be in the best interest of the Company and its stockholders.

Stock option grants, which are made under the 1995 Plan, constitute an important incentive for key technical and managerial employees of the Company. Option grants are a significant part of the Company's ability to attract, retain and motivate people whose skills and performance are critical to the Company's success. The 22% growth in the Company's employee population from the end of fiscal 1996 to the end of fiscal 1997, combined with the extension of stock option grants to a broader employee base, require the utilization of an ever increasing number of shares. It is the Company's current practice to grant options at not less than the fair market value of the underlying shares on the date of grant and for a term not longer than 7 years. No restricted stock has been or is expected to be issued under the 1995 Plan.

I urge you to review the proxy materials carefully, to vote FOR the director nominees, to vote FOR the proposal to authorize additional shares under the Company's Certificate of Incorporation, and to vote FOR the proposal to authorize additional shares for the 1995 Plan.

Sincerely,

LOGO

James C. Morgan

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Santa Clara, California 95054
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LOGO

APPLIED MATERIALS, INC.
3050 BOWERS AVENUE
SANTA CLARA, CALIFORNIA 95054

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS
TUESDAY, MARCH 17, 1998
AT 3:00 P.M.

To the Stockholders:

The Annual Meeting of Stockholders of Applied Materials, Inc. will be held in the Omni Austin Hotel at Southpark, 4140 Governor's Row, Austin, Texas on Tuesday, March 17, 1998 at 3:00 p.m. for the following reasons:

1. To elect nine directors to serve for a one-year term and until their successors have been elected and qualified.
2. To approve an amendment of the 1995 Equity Incentive Plan to increase the number of shares issuable thereunder by 18,000,000 shares.
3. To approve an amendment of the Company's Certificate of Incorporation to increase the number of shares of Common Stock authorized for issuance thereunder to 1,100,000,000.
4. To transact such other business as may properly come before the meeting or any adjournment or postponement thereof.

Only stockholders of record at the close of business on Friday, January 23, 1998 are entitled to notice of and to vote at the meeting and any adjournment or postponement thereof.

By Order of the Board of Directors

Donald A. Slichter
Secretary

Santa Clara, California
February 9, 1998

YOU ARE CORDIALLY INVITED TO ATTEND THE ANNUAL MEETING IN PERSON. WHETHER OR NOT YOU PLAN TO ATTEND THE MEETING, PLEASE MARK, SIGN, DATE AND RETURN THE ENCLOSED PROXY AS PROMPTLY AS POSSIBLE IN THE ENCLOSED POSTAGE PREPAID ENVELOPE.

APPLIED MATERIALS, INC.
3050 BOWERS AVENUE
SANTA CLARA, CALIFORNIA 95054

PROXY STATEMENT

The accompanying proxy is solicited on behalf of the Board of Directors (the "Board") of Applied Materials, Inc., a Delaware corporation (the "Company"), for use at the Annual Meeting of Stockholders of the Company to be held at 3:00 p.m. on March 17, 1998, and at any adjournment or postponement thereof (the "Annual Meeting" or "Meeting"), for the reasons set forth in the accompanying Notice of Annual Meeting of Stockholders. Only stockholders of record at the close of business on January 23, 1998 are entitled to notice of and to vote at the Annual Meeting. On that date, the Company had outstanding 366,266,123 shares of Common Stock. Holders of Common Stock are entitled to one vote for each share held. All references to number of shares, number of options and exercise prices of options made herein, unless otherwise indicated in the text, give effect to a two-for-one stock split in the form of a 100% stock dividend, effective October 13, 1997.

If the enclosed form of proxy is properly signed and returned, the shares represented thereby will be voted at the Annual Meeting in accordance with the instructions specified thereon. If the proxy does not specify how the shares represented thereby are to be voted, the proxy will be voted FOR the election of the nine directors proposed by the Board unless the authority to vote for the election of directors (or for any one or more nominees) is withheld and, if no contrary instructions are given, the proxy will be voted FOR the approval of the amendment of the 1995 Equity Incentive Plan (the "1995 Plan") and the amendment of the Company's Certificate of Incorporation. Any stockholder signing a proxy in the form accompanying this Proxy Statement has the power to revoke it prior to or at the Meeting. A proxy may be revoked by a writing delivered to the Secretary of the Company stating that the proxy is revoked, by a subsequent proxy signed by the person who signed the earlier proxy or by attendance at the Meeting and voting in person. Votes will be tabulated by the inspector of elections of the Meeting, and results will be announced by the inspector of elections at the conclusion of the Meeting.

A majority of the shares entitled to vote, represented in person or by proxy, constitutes a quorum. If a quorum is present, (i) a plurality vote of the shares present, in person or by proxy, at the Meeting and entitled to vote is required for the election of directors, (ii) the affirmative vote of the majority of the shares present, in person or by proxy, at the Meeting and entitled to vote is required for the approval of the amendment of the 1995 Plan, and (iii) the affirmative vote of a majority of shares outstanding is required for the approval of the amendment of the Company's Certificate of Incorporation. Abstentions are considered shares present and entitled to vote, and therefore have the same legal effect as a vote against a matter presented at the Meeting. Any shares held in street name for which the broker or nominee receives no instructions from the beneficial owner, and as to which such broker or nominee does not have discretionary voting authority under applicable New York Stock Exchange rules, will be considered as shares not entitled to vote and will therefore not be considered in the tabulation of the votes. Accordingly, a broker non-vote will have no effect with respect to items 1 and 2 of this Proxy Statement, but will have the same effect as a vote against item 3 which requires the approval of a majority of the outstanding shares.

The expense of soliciting proxies will be paid by the Company. Following the original mailing of the proxies and soliciting materials, employees of the Company may solicit proxies by mail, telephone, facsimile transmission and personal interviews. The Company will request brokers, custodians, nominees and other record holders to forward copies of the proxies and soliciting materials to persons for whom they hold shares of the Company's Common Stock and to request authority for the exercise of proxies; in such cases, the Company will reimburse such holders for their reasonable expenses. Proxies will also be solicited on behalf of the Company by the firm of Skinner & Co., whose fee (\$5,000) and expenses (estimated to be \$6,000) will be borne by the Company.

This Proxy Statement was first mailed to stockholders on or about February 9, 1998.

ITEM 1 -- ELECTION OF DIRECTORS

NOMINEES

At the Annual Meeting of Stockholders, a Board of nine directors will be elected, each to hold office until a successor is elected and qualified, or until the death, resignation or removal of the director. Shares represented by the accompanying proxy will be voted for the election of the nine nominees (recommended by the Board of Directors) who are named in the following table, unless the proxy is marked in such a manner as to withhold authority so to vote. All of the nominees were elected directors by a vote of the stockholders at the last Annual Meeting of Stockholders which was held on March 19, 1997 (the "1997 Annual Meeting"), except for Deborah A. Coleman, who was appointed a director at the organizational meeting of the Board that followed the 1997 Annual Meeting to fill the vacancy created by the retirement of Mr. George B. Farnsworth. The Company has no reason to believe that the nominees for election will not be available to serve their prescribed terms. However, if any nominee for any reason is unable to serve or will not serve, the proxy may be voted for such substitute nominee as the persons appointed in the proxy may in their discretion determine.

The following table sets forth certain information concerning the nominees which is based on data furnished by them.

NAME OF NOMINEE	AGE	PRINCIPAL OCCUPATION	DIRECTOR SINCE
James C. Morgan.....	59	Chairman of the Board and Chief Executive Officer of the Company	1977
Dan Maydan.....	62	President of the Company and Chairman of Applied Komatsu Technology, Inc.	1992
Michael H. Armacost*.....	60	President of The Brookings Institution	1993
Deborah A. Coleman*.....	45	Chairman and Chief Executive Officer of Merix Corporation	1997
Herbert M. Dwight, Jr.**...	67	Chairman and Chief Executive Officer of Optical Coating Laboratory, Inc.	1981
Philip V. Gerdine*.....	58	Executive Director (Overseas Acquisitions) of Siemens AG	1976
Tsuyoshi Kawanishi*.....	68	Senior Adviser to Toshiba Corporation	1994
Paul R. Low**.....	64	Chief Executive Officer of P.R.L. Associates	1992
Alfred J. Stein**.....	65	Chairman and Chief Executive Officer of VLSI Technology, Inc.	1981

* Member of Audit Committee

** Member of Stock Option and Compensation Committee

There is no family relationship between any of the foregoing nominees or between any of such nominees and any of the Company's executive officers. The Company's executive officers serve at the discretion of the Board of Directors.

James C. Morgan has been Chairman of the Board of the Company since 1987 and Chief Executive Officer of the Company since February 1977. Mr. Morgan was elected a director of Cisco Systems, Inc. in January 1998.

Dan Maydan has been President of the Company since December 1993 and a Chairman of Applied Komatsu Technology, Inc. (formerly Applied Display Technology, Inc.) since December 1991. From 1990 to December 1993, he was Executive Vice President of the Company. Dr. Maydan is a director of Electronics for Imaging, Inc.

Michael H. Armacost has been President of The Brookings Institution, a nonpartisan public policy research organization, since October 1995. From September 1993 through September 1995, he was a Distinguished Senior Fellow and Visiting Professor at the Asia/Pacific Research Center, Stanford University.

From 1989 to 1993, he was the U.S. Ambassador to Japan. Mr. Armacost is a director of TRW, Inc., AFLAC Incorporated and Cargill, Incorporated.

Deborah A. Coleman has been Chairman and Chief Executive Officer of Merix Corporation, a manufacturer of interconnect solutions for use in electronic equipment, since April 1994. From November 1992 through March 1994, she was the Vice President of Materials Operations at Tektronix, Inc. Ms. Coleman is a director of Synopsys, Inc.

Herbert M. Dwight, Jr. has been Chairman and Chief Executive Officer of Optical Coating Laboratory, Inc., a manufacturer of optical thin films and components, since August 1991. Mr. Dwight is a director of Applied Magnetics Corporation and Optical Coating Laboratory, Inc.

Philip V. Gerdine has been Executive Director (Overseas Acquisitions) of Siemens AG, Munich, Germany, a manufacturer of electrical and electronic products, since October 1990.

Tsuyoshi Kawanishi has been Senior Adviser to Toshiba Corporation, a manufacturer of electrical and electronic products, since June 1994, and Chairman of the Management Board of the Institute of Microelectronics since June 1996. From June 1990 to June 1994, he was Senior Executive Vice President and a member of the Board of Directors of Toshiba Corporation. Mr. Kawanishi is a director of Chartered Semiconductor Manufacturing Ltd. and Asyst Technologies, Inc.

Paul R. Low has been Chief Executive Officer of P.R.L. Associates, a consulting firm, since July 1992. From July 1990 to July 1992, Dr. Low was a Vice President and General Manager of Technical Products of International Business Machines Corporation. Dr. Low is a director of Network Computing Devices, Inc., Number Nine Visual Technology Corporation, Solectron Corporation, Veeco Instruments Inc., VLSI Technology, Inc., Integrated Packaging Assembly Corporation and Xionics Document Technologies, Inc.

Alfred J. Stein has been Chairman and Chief Executive Officer of VLSI Technology, Inc., a manufacturer of semiconductor devices, since March 1982. Mr. Stein is a director of Tandy Corporation.

BOARD AND COMMITTEE MEETINGS

The Board of Directors met six times during fiscal 1997. Standing committees of the Board include an Audit Committee, which met three times during such fiscal year, and a Stock Option and Compensation Committee, which met six times during such fiscal year. There is no nominating committee. Potential nominees are interviewed by outside directors, who submit their recommendations to the Board.

The Audit Committee is comprised of Messrs. Gerdine (Chairman), Armacost and Kawanishi, and Ms. Coleman, who has served as a member of the Audit Committee from the date of her appointment as a member of the Board. Messrs. Low and Stein are alternate members. Mr. Farnsworth served as an alternate member of the Audit Committee until his retirement as a director after the conclusion of the 1997 Annual Meeting. All members and alternate members are non-employee directors. Pursuant to the Audit Committee Charter, the Committee addresses on a regular basis matters which include, among other things, (1) making recommendations to the Board of Directors regarding engagement of independent auditors, (2) reviewing with Company financial management the plans for, and results of, the independent audit engagement, (3) reviewing the adequacy of the Company's system of internal accounting controls, (4) monitoring the Company's internal audit program to assure that areas of potential risk are adequately covered, and (5) reviewing legal and regulatory matters that may have a material effect on the Company's financial statements.

The Stock Option and Compensation Committee is comprised of Messrs. Dwight (Chairman), Low and Stein. Mr. Farnsworth served as a member until his retirement as a director following the 1997 Annual Meeting. Alternate members include Mr. Armacost and Ms. Coleman, who has served as an alternate member from the date of her appointment as a member of the Board. All members and alternate members are non-employee directors. The Committee's primary functions are to determine remuneration policies applicable to the Company's executive officers and to determine the bases of the compensation of the Chief Executive Officer, including the factors and criteria on which such compensation is to be based. The Committee also administers the Company's 1995 Equity Incentive Plan (the "1995 Plan") and Senior Executive Bonus Plan.

No incumbent director during fiscal 1997 attended fewer than seventy-five percent (75%) of the aggregate of (1) the total number of meetings of the Board of Directors (held during the period for which the individual has been a director) and (2) the total number of meetings held by all committees of the Board on which the director served (during the periods that the director served), with the exception of Mr. Stein who attended fifty percent (50%) of the aggregate of such meetings.

COMPENSATION OF DIRECTORS

Directors who are officers of the Company do not receive any additional compensation for their services as a director. During fiscal 1997, regular fees for directors who were not officers of the Company were a quarterly retainer of \$3,000, a fee of \$2,000 for each Board meeting attended and a fee of \$500 for each committee meeting attended if the committee met on a day other than the day the Board met. Mr. Kawanishi received an additional \$1,200 for each Board meeting. Directors are reimbursed for out-of-pocket costs incurred in connection with attending meetings, and directors who are not residents of California are reimbursed for the costs of preparing California tax returns. Mr. Kawanishi is also reimbursed for the costs of preparing a U.S. federal tax return. In August 1996, the Board voted to accept a 10% reduction in fees in support of the Company's cost-reduction programs during the industry downturn. The reduction in fees remained in effect through the March 19, 1997 Board meeting, after which, the directors' regular fees were reinstated. At the December 10, 1997 meeting of the Stock Option and Compensation Committee, the Committee approved an increase from \$3,000 to \$3,750 in the quarterly retainer paid to Directors who are not officers of the Company, beginning in the second quarter of fiscal 1998.

Directors who are not officers of the Company participate in one compensation plan, the 1995 Plan, which was approved by the Company's stockholders at the 1995 Annual Meeting of Stockholders. Under the 1995 Plan, options to purchase 20,000 shares of the Company's Common Stock are automatically granted to each non-employee director on the date such director is for the first time elected or appointed to the Board of Directors. Thereafter, each such director is automatically granted options to purchase 6,000 shares on the last business day of each fiscal year, provided that such automatic option grants are made only if the director was on the Board of Directors for the entire fiscal year then ending (including the last business day of the fiscal year) and was not an employee of the Company or any affiliate for any part of the fiscal year then ending. The exercise price for all non-employee director options granted under the 1995 Plan is 100% of the fair market value of the shares on the grant date; and all such options become exercisable over a four-year period, assuming continued service on the Board of Directors. The options expire no later than five years after the date of grant (up to six years in the event of the director's death).

MANAGEMENT

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table contains certain information regarding beneficial ownership of the Company's Common Stock as of November 1, 1997 by (i) each of the Company's current directors, (ii) the Chief Executive Officer and each of the Company's four other most highly compensated executive officers (the five officers shall be referred to as the "Named Executive Officers"), and (iii) all directors and executive officers as a group. No person is known by the Company to own 5% or more of the Company's Common Stock.

DIRECTORS AND NAMED EXECUTIVE OFFICERS	SHARES BENEFICIALLY OWNED	
	NUMBER(1)	PERCENT
NON-EMPLOYEE DIRECTORS:		
Michael H. Armacost.....	79,000(2)	*
Deborah A. Coleman.....	0	*
Herbert M. Dwight, Jr.....	250,984(3)	*
Philip V. Gerdine.....	100,600(4)	*
Tsuyoshi Kawanishi.....	45,000(5)	*
Paul R. Low.....	51,000(6)	*
Alfred J. Stein.....	57,000(7)	*
NAMED EXECUTIVE OFFICERS:		
James C. Morgan.....	1,512,967(8)	*
Dan Maydan.....	660,527	*
Sasson Somekh.....	912,040(9)	*
Gerald F. Taylor.....	108,885(10)	*
David N.K. Wang.....	699,837(11)	*
ALL DIRECTORS AND EXECUTIVE OFFICERS AS A GROUP (12 PERSONS).....	4,477,840(12)	1.22%

* Less than 1%

- (1) Represents shares held directly and with sole voting and investment power or with voting and investment power shared with a spouse.
- (2) Includes options to purchase 70,600 shares of Common Stock exercisable by Mr. Armacost within 60 days of November 1, 1997.
- (3) Includes options to purchase 51,000 shares of Common Stock exercisable by Mr. Dwight within 60 days of November 1, 1997.
- (4) Includes options to purchase 51,000 shares of Common Stock exercisable by Dr. Gerdine within 60 days of November 1, 1997.
- (5) Includes options to purchase 45,000 shares of Common Stock exercisable by Mr. Kawanishi within 60 days of November 1, 1997.
- (6) Includes options to purchase 51,000 shares of Common Stock exercisable by Dr. Low within 60 days of November 1, 1997.
- (7) Includes options to purchase 21,000 shares of Common Stock exercisable by Mr. Stein within 60 days of November 1, 1997.
- (8) Includes options to purchase 288,000 shares of Common Stock exercisable by Mr. Morgan within 60 days of November 1, 1997.

(9) Includes options to purchase 224,000 shares of Common Stock exercisable by Dr. Somekh within 60 days of November 1, 1997.

(10) Includes shares held in trust to which Mr. Taylor has sole or shared voting or investment power.

(11) Includes options to purchase 426,300 shares of Common Stock exercisable by Dr. Wang within 60 days of November 1, 1997.

(12) Includes options to purchase 1,227,900 shares of Common Stock exercisable by directors and executive officers within 60 days of November 1, 1997.

EXECUTIVE COMPENSATION

The following table contains information concerning compensation paid to the Named Executive Officers for services rendered to the Company and its subsidiaries in all capacities during the last three fiscal years:

SUMMARY COMPENSATION TABLE

NAME AND PRINCIPAL POSITION	FISCAL YEAR	ANNUAL COMPENSATION			LONG-TERM COMPENSATION			ALL OTHER COMPENSATION(1) (\$)
		SALARY (\$)	BONUS (\$)	OTHER ANNUAL COMPEN- SATION (\$)	RESTRICTED STOCK AWARDS (\$)	SECURITIES UNDERLYING OPTIONS (#)	PAYOUTS LTIP PAYOUTS (\$)	
James C. Morgan.....	1997	671,539	602,640	0	0	160,000	0	6,750
Chairman of the Board and	1996	645,136	919,215	0	0	140,000	0	6,750
Chief Executive Officer	1995	546,033	1,141,793	0	0	288,000	0	11,637
Dan Maydan.....	1997	508,094	460,350	0	0	140,000	0	6,750
President of the Company	1996	476,586	683,144	0	0	110,000	0	4,457
and Chairman of Applied Komatsu Technology, Inc.	1995	377,308	788,955	0	0	200,000	0	12,084
Sasson Somekh.....	1997	348,077	318,060	0	0	80,000	0	3,742
Senior Vice President	1996	322,596	459,608	0	0	70,000	0	3,562
	1995	272,308	464,063	0	0	112,000	0	4,009
Gerald F. Taylor(2).....	1997	348,636	318,060	0	0	80,000	0	6,750
Senior Vice President and	1996	322,981	459,608	0	0	70,000	0	6,750
Chief Financial Officer	1995	293,463	398,250	0	0	144,000	0	10,436
David N.K. Wang.....	1997	348,077	318,060	0	0	80,000	0	3,742
Senior Vice President	1996	322,596	459,608	0	0	70,000	0	3,562
	1995	272,308	464,063	0	0	112,000	0	4,009

(1) Amounts consist of matching contributions made by the Company under the Employee Savings and Retirement Plan, a "401(k)" plan providing for broad-based employee participation.

(2) Mr. Taylor retired as Senior Vice President and Chief Financial Officer on January 13, 1998, and now serves as Senior Advisor to the Company.

The following table contains information concerning the grant of stock options to the Named Executive Officers during fiscal 1997 under the Company's 1995 Equity Incentive Plan:

OPTION GRANTS IN LAST FISCAL YEAR

NAME	INDIVIDUAL GRANTS(1)				POTENTIAL REALIZABLE VALUE AT ASSUMED ANNUAL RATES OF STOCK PRICE APPRECIATION FOR OPTION TERM	
	NUMBER OF SECURITIES UNDERLYING OPTIONS GRANTED (#)	% OF TOTAL OPTIONS GRANTED TO EMPLOYEES IN FISCAL YEAR	EXERCISE PRICE (\$/SH)	EXPIRATION DATE	5%	10%
James C. Morgan.....	160,000	1.21%	17.3125	12/17/03	\$1,127,668	\$2,627,946
Dan Maydan.....	140,000	1.06%	17.3125	12/17/03	986,710	2,299,453
Sasson Somekh.....	80,000	0.60%	17.3125	12/17/03	563,834	1,313,973
Gerald F. Taylor.....	80,000	0.60%	17.3125	12/17/03	563,834	1,313,973
David N.K. Wang.....	80,000	0.60%	17.3125	12/17/03	563,834	1,313,973

(1) The options in this table were granted in December 1996 and have an exercise price equal to the fair market value of the Company's Common Stock on the date of grant. For each grant, 100% of the options become exercisable on April 15, 2000, assuming continued employment with the Company.

The Company has not granted stock appreciation rights.

The following table contains information concerning (i) the exercise of options by the Named Executive Officers during fiscal 1997 and (ii) unexercised options held by the Named Executive Officers as of the end of fiscal 1997:

AGGREGATED OPTION EXERCISES IN LAST FISCAL YEAR AND FISCAL YEAR-END OPTION VALUES

NAME	SHARES ACQUIRED ON EXERCISE (#)	VALUE REALIZED (\$)	NUMBER OF UNEXERCISED OPTIONS AT FY-END (#)		VALUE OF UNEXERCISED IN-THE-MONEY OPTIONS AT FY-END (\$)	
			EXERCISABLE	UNEXERCISABLE	EXERCISABLE	UNEXERCISABLE
James C. Morgan.....	288,000	11,376,000	288,000	588,000	7,024,522	11,176,231
Dan Maydan.....	400,000	12,025,000	0	450,000	0	8,410,815
Sasson Somekh.....	160,000	3,902,496	224,000	262,000	5,463,517	4,859,613
Gerald F. Taylor.....	496,000	17,853,245	0	294,000	0	5,588,116
David N.K. Wang.....	160,000	4,880,506	426,300	262,000	11,830,693	4,859,613

REPORT OF THE STOCK OPTION AND COMPENSATION COMMITTEE OF THE BOARD OF DIRECTORS

Notwithstanding any statement to the contrary in any of the Company's previous or future filings with the Securities and Exchange Commission, this Report shall not be incorporated by reference into any such filings.

Compensation Philosophy. The Stock Option and Compensation Committee (the "Committee") has two principal objectives in determining executive compensation policies: (1) to attract, reward and retain key executive talent, and (2) to motivate executive officers to perform to the best of their abilities and to achieve short-term and long-term corporate objectives that will contribute to the overall goal of enhancing stockholder value. In furtherance of these objectives, the Committee has adopted the following overriding policies:

- The Company will compensate competitively with the practices of other leading companies in related fields;
- Performance at the corporate, business unit and individual executive officer level will determine a significant portion of compensation;
- The attainment of realizable but challenging objectives will determine performance-based compensation; and
- The Company will encourage executive officers to hold substantial, long-term equity stakes in the Company so that the interests of executive officers will coincide with the interests of stockholders -- accordingly, stock or stock options will constitute a significant portion of compensation.

The Committee's specific executive compensation policies discussed below are designed to achieve the Committee's objectives through the implementation of the foregoing policies. In the following discussion, terms such as "generally," "typically" or "approximately" indicate that, while the Committee's analysis is based primarily on quantitative factors, in years with unusually strong or weak financial results, the Committee complements its quantitative analysis with a subjective analysis which takes into account efforts expended and non-quantifiable results achieved by the executive. The Committee's compensation decisions in fiscal 1997 reflected the fact that the Company achieved strong results in all geographic markets and across all product lines.

Elements of Executive Compensation. The elements of the Company's compensation of executive officers are: (1) annual cash compensation in the form of base salary and incentive bonuses, (2) long-term incentive compensation in the form of stock options granted under the Company's 1995 Equity Incentive Plan and (3) other compensation and employee benefits generally available to all employees of the Company, such as health insurance and employer matching contributions under the Company's Employee Savings and Retirement Plan, a "401(k)" plan.

Total Annual Compensation. Each executive officer's target total annual compensation (i.e. salary plus bonus) is determined after a review of independent survey data regarding similarly situated executives at a group of approximately 20 companies. To construct the survey group, the Company chose companies which are in the electronics industry and either (1) have revenues comparable to the Company's revenues or (2) compete with the Company for executive talent irrespective of revenue. Companies are included in the latter group if their executives have skills and expertise similar to the skills and expertise the Company requires of its executives. The survey group is not identical to the group of companies which comprise the Hambrecht & Quist Semiconductor Index used in the Performance Graph, because it was constructed using criteria different from the criteria used by Hambrecht & Quist. For each executive officer, the Company seeks to establish a total target annual compensation level that is at or close to the median of compensation paid to similarly situated executives at the companies surveyed. This policy serves the Company's objectives of attracting, rewarding and retaining key executive talent.

Bonuses. The Committee's process for determining annual bonuses is designed to motivate the Company's executive officers to perform to the best of their abilities and to enhance stockholder value through the achievement of corporate objectives. Consequently, the target bonus for an executive is related to his or her potential impact on corporate operating and financial results, while the percentage of the target bonus received is determined with reference to performance-related parameters.

The percentages of total target annual compensation allocated to salary and to bonus differ depending on whether the officer is a business unit executive or a staff executive. Given that business unit executives have more control over the performance of their business unit than staff executives have over the multiple business units they support, the target annual compensation of business unit executives has a higher bonus component than the target compensation of staff executives. Generally, target bonuses for business unit executives are on the order of 60-75% of annual salary, while target bonuses for staff executives are on the order of 45-65% of annual salary.

The percentage of target bonus that a business unit executive (other than Mr. Morgan and Dr. Maydan) receives depends on performance in three categories: profitability, market share growth and customer satisfaction. The weighting of the three categories differs among business units depending on the maturity of the unit. Within each category are several parameters which are weighted roughly equally. For example, if there are three parameters in the customer satisfaction category, the weightings within such category might be 30%, 30%, and 40%.

The parameters for each of the Company's product business groups and geographical regions consist of 3-5 business unit financial metrics (measurement standards) and 3-5 business unit operational metrics specific to each business unit and region based on model performance. The financial metrics for the corporate functions are an average of the attainment of all of the business units' financial results. Financial metrics for the business units and regions include performance factors such as controllable profit attainment, gross margin attainment, or other similar financial or asset management measures; and operational metrics for all groups (including the corporate functions) include market share growth, quality measures, and customer satisfaction metrics. Individual awards are based on attainment of 3-5 specific individual management-by-objectives ("MBO") goals as well as the business unit's attainment of certain performance factors. These MBOs prescribe targeted achievement relating to the executive's and his or her unit's attainment of the Company's business objectives. Typically, the financial metrics and operational metrics are of roughly equal weight. Within the MBO parameter, the specific goals may be given different weights depending upon the individual. Examples of typical MBO goals include controlling spending to budget, implementation of quality improvement programs or business process controls, development and implementation of key strategic initiatives, development of employees and internal customer satisfaction.

The percentage of target bonus that a staff executive receives is a function of both corporate earnings per share performance and the performance of the individual and his or her business unit measured against 3-5 specific MBO goals. These MBOs prescribe targeted achievements relating to the executive's and his or her unit's support of the Company's business units. Typically, the earnings per share parameter and the MBO parameter are of roughly equal weight. Within the MBO parameter, the specific goals are given different weights depending upon the individual. Examples of typical MBO goals might include controlling spending to budget, implementation of quality improvement processes, development of employees, return on invested corporate funds and internal customer satisfaction.

For business unit and staff executive officers, the actual targets for all parameters are set from year to year at levels that take into account general business conditions and Company strategies for the year. For fiscal 1997, the Committee approved (1) the philosophy behind the determination of the performance targets for the executive officers, other than Mr. Morgan and Dr. Maydan and (2) the specific performance targets for Mr. Morgan and Dr. Maydan (as described in the following paragraph). At the end of the fiscal year, the Committee determined, after discussions with Company management, whether each executive officer met, exceeded or fell below these targets.

Bonuses paid to Mr. Morgan and Dr. Maydan for fiscal 1997 were determined pursuant to the Company's Senior Executive Bonus Plan (the "Bonus Plan"). Bonuses under the Bonus Plan are paid only for the achievement of performance goals that have been set in advance by the Committee. Under the Bonus Plan, the performance goals applicable to an eligible executive for any fiscal year require a targeted level of achievement using one or more of the following measures: (1) annual revenue, (2) controllable profits, (3) customer satisfaction MBOs, (4) earnings per share, (5) individual MBOs, (6) net income, (7) new orders, (8) pro forma net income, (9) asset management, and (10) return on sales. Each of these measures is

defined in the Bonus Plan. For fiscal 1997, the performance goals applicable to Mr. Morgan and Dr. Maydan combined two equally weighted factors: annual revenue growth and return on sales (i.e. net profit as a percentage of sales).

Stock Options. The Committee believes that the use of stock options as long-term incentives serves to motivate executive officers to maximize stockholder value and to remain in the Company's employ. The number of options granted to each executive is determined by the Committee, in its discretion. In making its determination, the Committee considers the executive's position at the Company, his or her individual performance, the number of options held by the executive (if any) and other factors, including an analysis of the estimated amount potentially realizable from the options. This analysis takes into account: (1) a target compensation amount equal to a specified percentage of salary earned in the year of grant, (2) an assumed rate of appreciation in the Company stock price, and (3) the number of options which, given the assumed appreciation rate, would enable the executive to receive (net of the exercise price) the target amount upon the exercise of the options on the first date that all the options are exercisable.

Compensation of Chief Executive Officer. The Committee applies the foregoing principles and policies in determining the compensation of Mr. Morgan, the Company's Chief Executive Officer.

During fiscal 1997, Mr. Morgan received a salary of \$671,539. In addition, as described above, Mr. Morgan was eligible to receive a bonus under the Bonus Plan. The Committee believes that Mr. Morgan, as Chief Executive Officer, significantly and directly influences the Company's overall performance. Accordingly, the Committee set Mr. Morgan's fiscal 1997 target bonus at 75% of his annual salary. The actual bonus payable to Mr. Morgan was determined in accordance with a formula set by the Committee pursuant to which (1) the Company's fiscal 1997 revenue growth and return on sales are compared to preestablished performance goals based on such measures and (2) Mr. Morgan's actual bonus, relative to his target bonus, is increased or decreased according to the extent to which the Company exceeded or fell short of such performance goals. Actual performance for fiscal 1997 exceeded the performance goals. Accordingly, Mr. Morgan was paid a cash bonus of \$602,640, which equaled approximately 90% of his fiscal 1997 salary.

Tax Deductibility of Executive Compensation. Section 162(m) of the Internal Revenue Code limits the federal income tax deductibility of compensation paid to the Company's Chief Executive Officer and to each of the other four most highly compensated executive officers. The Company generally may deduct compensation paid to such an officer only if the compensation does not exceed \$1 million during any fiscal year or is "performance-based" as defined in section 162(m). The Committee's current policy is to seek a tax deduction for all of the Company's executive compensation, to the extent consistent with the best interests of the Company. To this end, the Company adopted the 1995 Equity Incentive Plan and the Bonus Plan with the intent that compensation paid under those Plans could be "performance-based" and thus fully tax-deductible by the Company.

Herbert M. Dwight, Jr.
Paul R. Low
Alfred J. Stein

COMPANY STOCK PERFORMANCE

The following graph shows a five-year comparison of cumulative total return for the Company's stock, the Standard & Poor's 500 Composite Index and the Hambrecht & Quist Semiconductor Index, which is a published industry index. The Hambrecht & Quist Semiconductor Index contains 34 companies in the semiconductor and semiconductor equipment industries. Notwithstanding any statement to the contrary in any of the Company's previous or future filings with the Securities and Exchange Commission, the graph shall not be incorporated by reference into any such filings.

COMPARISON OF FIVE YEAR CUMULATIVE TOTAL RETURN*
AMONG APPLIED MATERIALS, INC., THE HAMBRECHT & QUIST
SEMICONDUCTOR INDEX AND THE S&P 500 INDEX

MEASUREMENT PERIOD (FISCAL YEAR COVERED)	'APPLIED MATERIALS, INC.'	H&Q SEMICONDUCTOR	S&P 500
10/25/92	100	100	100
10/31/93	215	177	116
10/30/94	355	225	120
10/29/95	670	389	151
10/27/96	366	321	186
10/26/97	911	508	253

* \$100 Invested on 10/25/92 in Stock or Index -- Including Reinvestment of Dividends.

COMPENSATION COMMITTEE INTERLOCKS AND INSIDER PARTICIPATION

During fiscal 1997, non-employee directors Herbert M. Dwight, Jr., Paul R. Low and Alfred J. Stein served as members of the Stock Option and Compensation Committee. Mr. Farnsworth also served as a member until his retirement as a director following the 1997 Annual Meeting. None of the Stock Option and Compensation Committee members or Named Executive Officers have any relationships which must be disclosed under this caption.

SECTION 16(A) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Securities Exchange Act of 1934 (the "Exchange Act") requires the Company's directors and executive officers, and holders of more than 10% of the Company's Common Stock, to file with the Securities and Exchange Commission (the "SEC") initial reports of ownership and reports of changes in ownership of Common Stock and other equity securities of the Company. Such officers, directors and 10% stockholders are required by SEC regulation to furnish the Company with copies of all Section 16(a) forms they file.

Based on its review of such forms that it received, or written representations from reporting persons that no Forms 5 were required for such persons, the Company believes that, during fiscal 1996 and 1997, all Section 16(a) filing requirements were satisfied on a timely basis with the exception of the following. Due to an administrative oversight by the Company, stock options that were automatically granted under the 1995 Plan to nonemployee directors were reported late. Specifically, Mr. George Farnsworth (now retired from the Board), Drs. Gerdine and Low, and Messrs. Armacost, Dwight, Kawanishi, and Stein each had one late report with respect to one option grant. Certain stock options granted under the 1995 Plan to Drs. Maydan, Somekh and Wang, and Messrs. Morgan, Taylor, and Michael K. O'Farrell, the Company's Vice President and Corporate Controller, were also inadvertently reported late due to a similar administrative oversight; accordingly, each such person had one late report with respect to one option grant. In addition, a sale of stock by Dr. Maydan was reported late and a stock option exercise and same-day sale of the acquired shares by Dr. Wang was reported late; accordingly, each such person had one late report with respect to his respective transaction(s).

In no case did any of the transactions set forth in these late reports result in any short-swing profits (under Section 16(b) of the Exchange Act) for any of the foregoing persons. The Company has taken steps to minimize the likelihood of any such reporting oversights recurring.

LOANS TO MANAGEMENT

Dan Maydan is a Chairman of Applied Komatsu Technology, Inc. ("AKT"), a joint venture corporation 50% owned by the Company and 50% owned by Komatsu Ltd., a Japanese corporation. Pursuant to the AKT Executive Incentive Stock Purchase Plan, in fiscal 1994 the Company loaned Dr. Maydan \$185,500 to purchase shares of nonvoting convertible preferred stock of AKT. The terms of the loan call for interest at the rate of 7.16% to be paid on an annual basis, with a balloon principal payment to be paid January 31, 2004. Unpaid interest is added to the principal balance upon which interest is calculated. The loan is secured by the shares purchased. As of October 26, 1997, the outstanding principal amount of the loan was \$235,208.80, which was the largest principal amount of such loan outstanding during fiscal 1997.

ITEM 2 -- AMENDMENT OF THE 1995 EQUITY INCENTIVE PLAN

The Stock Option and Compensation Committee (the "Committee") has approved an amendment of the 1995 Plan to increase the number of shares issuable thereunder by 18,000,000 shares. Adoption of the amendment is subject to the approval of a majority of the shares of the Company's Common Stock which are present in person or by proxy and entitled to vote at the Annual Meeting. The 1995 Plan was previously approved by stockholders at the 1995 Annual Meeting and was amended at the 1997 Annual Meeting.

GENERAL

The 1995 Plan allows the granting of stock options, stock appreciation rights ("SARs"), restricted stock awards, performance unit awards, and performance share awards (collectively, "Awards") to eligible 1995 Plan participants. While the Company has no current intention to grant Awards other than stock options, the Board of Directors believes that the ability to utilize different types of equity compensation vehicles will give the Company the flexibility needed to adapt most effectively over time to changes in the labor market and in equity compensation practices.

The total number of shares authorized to be issued pursuant to Awards granted under the 1995 Plan is 37,200,000. As of October 26, 1997, 34,056,540 shares are subject to options currently outstanding under the 1995 Plan, as well as two stock option plans that previously expired, and 12,445,010 shares remained available for any Awards to be granted in the future. If an Award expires or is canceled without having been fully exercised or vested, the unvested or canceled shares generally will again be available for grants of Awards. The number of shares available for grant under the 1995 Plan, outstanding Awards, the formula for granting non-employee director options, and the numerical limits for individual grants will be adjusted as appropriate to reflect any stock splits, stock dividends, recapitalizations, reorganizations or other changes to the capital structure of the Company.

PURPOSE OF THE 1995 PLAN

The 1995 Plan is intended to attract, motivate, and retain (1) employees of the Company and its affiliates, (2) consultants who provide significant services to the Company and its affiliates, and (3) directors of the Company who are employees of neither the Company nor any affiliate ("non-employee directors"). The 1995 Plan also is designed to encourage stock ownership by participants, thereby aligning their interests with those of the Company's stockholders.

ADMINISTRATION OF THE 1995 PLAN

The 1995 Plan is administered by the Committee. The members of the Committee must qualify as "non-employee directors" under Rule 16b-3 under the Securities Exchange Act of 1934, and as "outside directors" under section 162(m) of the Internal Revenue Code (for purposes of qualifying amounts received under the 1995 Plan as "performance-based compensation" under section 162(m)).

Subject to the terms of the 1995 Plan, the Committee has the sole discretion to determine the employees and consultants who shall be granted Awards, the size and types of such Awards, and the terms and conditions of such Awards. The Committee may delegate its authority to grant and administer awards to a separate committee appointed by the Committee, but only the Committee may make Awards to participants who are executive officers of the Company.

The non-employee director portion of the 1995 Plan will be administered by the Board of Directors (rather than by the Committee).

ELIGIBILITY TO RECEIVE AWARDS

Employees and consultants of the Company and its affiliates (i.e. any corporation or other entity controlling, controlled by, or under common control with the Company) are eligible to be selected to receive one or more Awards. The actual number of employees and consultants who will receive Awards under the 1995 Plan cannot be determined because selection for participation in the 1995 Plan is in the discretion of the

Committee. The 1995 Plan also provides for the grant of stock options to the Company's non-employee directors. Such options will be granted pursuant to an automatic nondiscretionary formula.

OPTIONS

The Committee may grant nonqualified stock options, incentive stock options (which are entitled to favorable tax treatment) ("ISOs"), or a combination thereof. The number of shares covered by each option will be determined by the Committee, but during any fiscal year of the Company, no participant may be granted options for more than 350,000 shares.

The exercise price of each option is set by the Committee but generally is not less than 100% of the fair market value of the Company's Common Stock on the date of grant. Thus, an option will have value only if the Company's Common Stock appreciates in value after the date of grant.

The exercise price of an ISO must be at least 110% of the fair market value if, on the grant date, the participant owns stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or any of its subsidiaries. Also, the aggregate fair market value of the shares (determined on the grant date) covered by ISOs which first become exercisable by any participant during any calendar year may not exceed \$100,000.

The exercise price of each option must be paid in full at the time of exercise. The Committee also may permit payment of the exercise price through the tender of shares of the Company's Common Stock that are already owned by the participant, or by any other means which the Committee determines to be consistent with the 1995 Plan's purpose. Any taxes required to be withheld must be paid by the participant at the time of exercise.

Options become exercisable at the times and on the terms established by the Committee. Options expire at the times established by the Committee but generally not later than 10 years after the date of grant (13 years in the event of the optionee's death). The Committee's current practice is to grant options which expire no later than seven years after the date of grant.

NON-EMPLOYEE DIRECTOR OPTIONS

Under the 1995 Plan, each new non-employee director automatically will receive an initial option for 20,000 shares on the date that he or she is first elected or appointed to the Board of Directors. Each such option will become exercisable as to 6,000 shares on the first anniversary of the grant date, as to an additional 5,500 shares on the second anniversary of the grant date, as to an additional 5,000 shares on the third anniversary of the grant date, and as to the remaining 3,500 shares on the fourth anniversary of the grant date. On the date the non-employee director terminates service on the Board, all unvested option shares are forfeited to the Company.

Each non-employee director who has served as a non-employee director for the entire 1998 fiscal year or any later fiscal year, automatically will receive, as of the last business day of each such fiscal year, an option to purchase 6,000 shares. Each such option will become exercisable as to 1,500 shares on the first anniversary of the grant date, and as to an additional 1,500 shares on each succeeding anniversary until 100% of the shares subject to such option have become exercisable. On the date the non-employee director terminates service on the Board, all unvested option shares are forfeited to the Company.

All options granted to non-employee directors generally will have a term of five years from the date of grant. If a director terminates service on the Board prior to an option's expiration date, the period of exercisability of the option will vary depending upon the reason for the termination. An option may be exercised for up to: (a) seven months following termination of service for any reason other than death, total disability or retirement, and (b) one year following termination due to retirement or total disability, but in both cases no later than the original expiration date. In the event of death, an option may be exercised for up to one year from the date of death, regardless of the original expiration date of the option.

STOCK APPRECIATION RIGHTS

The Committee determines the terms and conditions of each SAR. SARs may be granted in conjunction with an option, or may be granted on an independent basis. The number of shares covered by each SAR will be determined by the Committee, but during any fiscal year of the Company, no participant may be granted SARs for more than 350,000 shares. To date, no SARs have been granted under the 1995 Plan.

Upon exercise of an SAR, the participant will receive payment from the Company in an amount determined by multiplying: (1) the difference between (a) the fair market value of a share of Company Common Stock on the date of exercise and (b) the exercise price, times (2) the number of shares with respect to which the SAR is exercised. The per share exercise price of an SAR cannot be less than 100% of fair market value on the date of grant. Thus, an SAR will have value only if the Company's Common Stock appreciates in value after the date of grant.

SARs are exercisable at the times and on the terms established by the Committee. Proceeds from SAR exercises may be paid in cash or shares of the Company's Common Stock, as determined by the Committee. SARs expire at the times established by the Committee, but subject to the same maximum time limits as are applicable to employee options granted under the 1995 Plan.

RESTRICTED STOCK AWARDS

Restricted stock awards are shares of the Company's Common Stock that vest in accordance with terms established by the Committee. However, in all cases, shares of restricted stock will not vest until at least three years after the date of grant unless the Company's stockholders approve an earlier vesting date or dates, or in the event of death, disability or retirement of the participant, or major capital change of the Company. The number of shares of restricted stock (if any) granted to a participant will be determined by the Committee, but during any fiscal year of the Company, no participant may be granted more than 175,000 shares. To date, no shares of restricted stock have been granted.

In determining the vesting schedule for each Award of restricted stock, the Committee may impose additional conditions to vesting as it determines to be appropriate. For example, the Committee may provide that restricted stock will vest only if one or more performance goals are satisfied. In order for the Award to qualify as "performance-based" compensation under section 162(m) of the Internal Revenue Code (see "Report of the Stock Option and Compensation Committee of the Board of Directors -- Tax Deductibility of Executive Compensation"), it must use one or more of the following measures in setting the performance goals: (1) annual revenue, (2) controllable profits, (3) customer satisfaction management by objectives, (4) earnings per share, (5) individual management by objectives, (6) net income, (7) new orders, (8) pro forma net income, (9) return on designated assets, and (10) return on sales. These performance measures are defined in the 1995 Plan and are the same measures that are used in setting performance goals under the Company's Senior Executive Bonus Plan. The Committee may apply the performance measures on a corporate or business unit basis, as deemed appropriate in light of the participant's specific responsibilities.

PERFORMANCE UNIT AWARDS AND PERFORMANCE SHARE AWARDS

Performance unit awards and performance share awards are amounts credited to a bookkeeping account established for the participant. A performance unit has an initial value that is established by the Committee at the time of its grant. A performance share has an initial value equal to the fair market value of a share of the Company's Common Stock on the date of grant. The number of performance units/shares (if any) granted to a participant will be determined by the Committee, but during any fiscal year of the Company, no participant may be granted more than 175,000 performance shares or performance units having an initial value greater than \$3 million. To date, no performance shares or performance units have been granted.

Whether a performance unit/share actually will result in a payment to a participant will depend upon the extent to which performance goals established by the Committee are satisfied. The applicable performance goals will be determined by the Committee. In particular, the 1995 Plan permits the Committee to use the same performance goals as are discussed above with respect to restricted stock.

After a performance unit/share award has vested (that is, after the applicable performance goal or goals have been achieved), the participant will be entitled to receive a payout of cash, Common Stock, or a combination thereof, as determined by the Committee. Unvested performance units/shares will be forfeited upon the earlier of the recipient's termination of employment or the date set forth in the Award agreement.

OPTIONS TO BE GRANTED TO CERTAIN INDIVIDUALS AND GROUPS

As described above, the Committee has discretion to determine the number of Awards (if any) to be granted to any individual under the 1995 Plan. Accordingly, the actual number of Awards that any individual may receive in the future is not determinable. To date, only options have been granted under the 1995 Plan. The following table sets forth (a) the aggregate number of shares of the Company's Common Stock subject to options granted under the 1995 Plan during fiscal 1997, and (b) the average per share exercise price of such options.

NAME OF INDIVIDUAL OR GROUP	NUMBER OF OPTIONS GRANTED	AVERAGE PER SHARE EXERCISE PRICE(1)
James C. Morgan, Chairman of the Board and Chief Executive Officer.....	160,000	17.31
Dan Maydan, President.....	140,000	17.31
Sasson Somekh, Senior Vice President.....	80,000	17.31
Gerald F. Taylor, Senior Vice President and Chief Financial Officer.....	80,000	17.31
David N. K. Wang, Senior Vice President.....	80,000	17.31
All executive officers, as a group.....	540,000	17.31
All directors who are not executive officers, as a group, excluding Deborah A. Coleman(2).....	36,000	33.27
Deborah A. Coleman(3).....	40,000	23.00
All employees who are not executive officers, as a group.....	12,695,618	21.32

(1) All options were granted with an exercise price equal to 100% of fair market value on the date of grant. On January 23, 1998, shares of the Company's Common Stock closed at \$30.5625 on the Nasdaq National Market.

(2) Pursuant to the 1995 Plan's automatic, nondiscretionary formula, each non-employee director received an option for 6,000 shares, except for Ms. Coleman, who was not a member of the Board of Directors for the entire fiscal year, and is therefore not granted such option for the 1997 fiscal year.

(3) Ms. Coleman received an option to purchase 20,000 shares of the Company's Common Stock under the 1995 Plan, which automatically grants to each non-employee director on the date such director is for the first time elected or appointed to the Board of Directors, an option to purchase such shares. As provided in the 1995 Plan, this option was adjusted to include an additional 20,000 shares of the Company's Common Stock in order to reflect the Company's 100% stock dividend, effective October 13, 1997.

NONTRANSFERABILITY OF AWARDS

Awards granted under the 1995 Plan may not be sold, transferred, pledged, assigned, or otherwise alienated or hypothecated, other than by will or by the applicable laws of descent and distribution. However, in the discretion of the Committee, a participant may designate one or more beneficiaries to receive any exercisable or vested Awards following his or her death.

TAX ASPECTS

The following discussion is intended to provide an overview of the U.S. federal income tax laws which are generally applicable to Awards granted under the 1995 Plan as of the date of this Proxy Statement. People or entities in differing circumstances may have different tax consequences, and the tax laws may change in the future. This discussion is not to be construed as tax advice.

A recipient of a stock option or SAR will not have taxable income on the date of grant. Upon the exercise of nonqualified options and SARs, the participant will recognize ordinary income equal to the difference between the fair market value of the shares on the date of exercise and the exercise price. Any gain or loss recognized upon any later disposition of the shares generally will be capital gain or loss.

Purchase of shares upon exercise of an ISO will not result in any taxable income to the participant, except for purposes of the alternative minimum tax. Gain or loss recognized by the participant on a later sale or other disposition will either be capital gain or loss or ordinary income, depending upon how long the participant holds the shares. Any ordinary income recognized will be in the amount, if any, by which the lesser of (1) the fair market value of such shares on the date of exercise or (2) the amount realized from the sale, exceeds the exercise price.

Upon receipt of restricted stock or a performance unit/share, the participant will not have taxable income unless he or she elects to be taxed. Absent such election, upon vesting the participant will recognize ordinary income equal to the fair market value of the shares or units at such time.

The Committee may permit participants to satisfy tax withholding requirements in connection with the exercise or receipt of an Award by: (1) electing to have the Company withhold otherwise deliverable shares, or (2) delivering to the Company already-owned shares having a value equal to the amount required to be withheld.

The Company generally will be entitled to a tax deduction for an Award in an amount equal to the ordinary income realized by the participant at the time the participant recognizes such income. Internal Revenue Code section 162(m) contains special rules regarding the federal income tax deductibility of compensation paid to the Company's Chief Executive Officer and to each of the other four most highly compensated executive officers. The general rule is that annual compensation paid to any of these specified executives will be deductible only to the extent that it does not exceed \$1 million. However, the Company can preserve the deductibility of certain compensation in excess of \$1 million if it complies with conditions imposed by section 162(m), including (1) the establishment of a maximum number of shares with respect to which Awards may be granted to any one employee during a specified time period, and (2) for restricted stock and performance units/shares, inclusion in the 1995 Plan of performance goals which must be achieved prior to payment. The 1995 Plan has been designed to permit the Committee to grant Awards which qualify as performance-based compensation.

AMENDMENT AND TERMINATION OF THE 1995 PLAN

The Board generally may amend or terminate the 1995 Plan at any time and for any reason, but as required under Internal Revenue Code section 162(m), certain material amendments must be approved by stockholders.

Approval of the proposed amendment requires the affirmative votes of a majority of shares present, in person or by proxy, at the Meeting and entitled to vote.

THE BOARD OF DIRECTORS RECOMMENDS THAT STOCKHOLDERS VOTE FOR THE AMENDMENT OF THE 1995 EQUITY INCENTIVE PLAN.

ITEM 3 -- AMENDMENT OF THE CERTIFICATE OF
INCORPORATION TO AUTHORIZE ADDITIONAL COMMON STOCK

Article FIFTH of the Company's Certificate of Incorporation presently authorizes the issuance of up to 500,000,000 shares of Common Stock, par value \$.01 per share, and 1,000,000 shares of Preferred Stock, par value \$.01 per share. The authorized Common Stock is all of a single class, with equal voting, distribution, liquidation and other rights. The Board now proposes an amendment of the Certificate of Incorporation in order to increase the number of shares of Common Stock authorized for issuance from 500,000,000 to 1,100,000,000.

On September 11, 1997, the Company declared a two-for-one stock split in the form of a 100% stock dividend to the holders of Common Stock of record as of September 25, 1997, effective October 13, 1997. This 100% stock dividend depleted the pool of authorized but unissued shares of Common Stock by 183,466,807 shares. As of January 23, 1998, 366,266,123 shares were outstanding and 53,404,156 shares were reserved for issuance under the Company's various employee benefit plans. Consequently, the Board considers it advisable to have the ability to issue shares for additional stock dividends (if any), public offerings (if any), acquisitions (if any) or other corporate purposes. Therefore, the Board deems it to be in the best interest of the Company to amend Article FIFTH of the Company's Certificate of Incorporation to authorize the issuance of up to 1,100,000,000 shares of Common Stock. If the proposed amendment is approved, the number of authorized, unissued and unreserved shares will be 680,329,721. Although no such action is currently being contemplated, this number of authorized, unissued and unreserved shares would permit the Board to declare another 100% stock dividend without necessitating another amendment to the Certificate of Incorporation.

If this amendment is adopted, the additional shares of Common Stock may be issued by direction of the Board at such times, in such amounts and upon such terms as the Board may determine, without further approval of the stockholders unless, in any instance, such approval is expressly required by regulatory agencies or otherwise. Stockholders of the Company have no preemptive rights to purchase additional shares. The adoption of the amendment will not of itself cause any change in the capital accounts of the Company. However, the issuance of additional shares of Common Stock could dilute the existing stockholders' equity interest in the Company.

Approval of the proposed amendment requires the affirmative votes of the holders of a majority of the outstanding Company shares.

THE BOARD OF DIRECTORS RECOMMENDS THAT STOCKHOLDERS VOTE FOR THE AMENDMENT OF THE COMPANY'S CERTIFICATE OF INCORPORATION.

RELATIONSHIP WITH INDEPENDENT PUBLIC ACCOUNTANTS

The firm of independent accountants of the Company recommended by the Audit Committee and selected by the Board of Directors for the current fiscal year is Price Waterhouse LLP. The Board of Directors expects that representatives of Price Waterhouse LLP will be present at the Annual Meeting of Stockholders, will be given an opportunity to make a statement at such meeting if they desire to do so and will be available to respond to appropriate questions.

OTHER MATTERS

As of the date of this Proxy Statement, the Board of Directors does not intend to bring any other business before the Annual Meeting of Stockholders and, as far as is known to the Board of Directors, no matters are to be brought before the Meeting except as specified in the Notice of Annual Meeting of Stockholders. However, as to any other business that may properly come before the Meeting, it is intended that proxies, in the form enclosed, will be voted in respect thereof in accordance with the judgment of the persons voting such proxies.

STOCKHOLDER PROPOSALS -- 1999 ANNUAL MEETING

Stockholders are entitled to present proposals for action at a forthcoming stockholders' meeting if they comply with the requirements of the proxy rules. Any proposals intended to be presented at the 1999 Annual Meeting of Stockholders of the Company must be received at the Company's offices on or before October 12, 1998 in order to be considered for inclusion in the Company's proxy statement and form of proxy relating to such meeting.

Donald A. Slichter
Secretary

February 9, 1998
Santa Clara, California

YOU ARE CORDIALLY INVITED TO ATTEND THE ANNUAL MEETING IN PERSON. WHETHER OR NOT YOU PLAN TO ATTEND THE MEETING, PLEASE MARK, SIGN, DATE AND RETURN THE ENCLOSED PROXY AS PROMPTLY AS POSSIBLE IN THE ENCLOSED POSTAGE PREPAID ENVELOPE.

(LOGO)

This Proxy Statement was printed on recycled paper.

APPLIED MATERIALS, INC.
PROXY FOR ANNUAL MEETING OF STOCKHOLDERS ON MARCH 17, 1998.
THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS.

The undersigned hereby appoints James C. Morgan and Donald A. Slichter, or either of them, each with full power of substitution, as proxies of the undersigned, to attend the Annual Meeting of Stockholders of Applied Materials, Inc., to be held on Tuesday, March 17, 1998, at 3:00 p.m. and any adjournment or postponement thereof, and to vote the number of shares the undersigned would be entitled to vote if personally present on the following:

(Continued and to be signed on reverse side)

STOCKHOLDERS ARE URGED TO MARK, DATE, SIGN AND RETURN THIS PROXY IN THE ENVELOPE PROVIDED, WHICH REQUIRES NO POSTAGE IF MAILED IN THE UNITED STATES.

APPLIED MATERIALS, INC.

PLEASE MARK VOTE IN OVAL IN THE FOLLOWING MANNER USING DARK INK ONLY.

[]

THE BOARD OF DIRECTORS RECOMMENDS A VOTE FOR EACH OF THE LISTED PROPOSALS.

1. ELECTION OF DIRECTORS

M. Armacost, D. Coleman, H. Dwight, P. Gerdine, T. Kawanishi, P. Low, D. Maydan, J. Morgan, A. Stein

			For All
For	Withheld		Except
[]	[]		[]

INSTRUCTION: To withhold authority to vote for any individual Nominee, write that Nominee's name in the space provided below.

2. To approve the amendment of the 1995 Equity Incentive Plan.

For	Against	Abstain
[]	[]	[]

3. To approve the amendment of the Company's Certificate of Incorporation.

For	Against	Abstain
[]	[]	[]

THIS PROXY WILL BE VOTED AS SPECIFIED, OR IF NO CHOICE IS SPECIFIED, WILL BE VOTED FOR THE NINE NOMINEES FOR ELECTION AND FOR PROPOSALS 2 and 3. (Please sign exactly as your name appears. When shares are held by joint tenants, both should sign. When signing as attorney, executor, administrator, trustee or guardian, please give full title as such. If a corporation, please sign in full corporate name by president or other authorized officer. If a partnership, please sign in partnership name by authorized person.)

Signature(s) Date