UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the

Securities Exchange Act of 1934

Date of report (Date of earliest event reported): April 20, 2004

TERADYNE, INC.

(Exact Name of Registrant as Specified in Charter)

Massachusetts (State or Other Jurisdiction

of Incorporation)

001-06462 (Commission File Number) 04-2272148 (IRS Employer

321 Harrison Avenue, Boston, Massachusetts (Address of Principal Executive Offices) Identification No.)

02118 (Zip Code)

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Registrant s telephone number, including area code (617) 482-2700

(Former Name or Former Address, if Changed Since Last Report)

Item 7. Financial Statements and Exhibits.

The exhibit listed below and in the accompanying Exhibit Index is filed as a part of this Current Report on Form 8-K.

(c) Exhibits.

 Exhibit No.
 Description

 99.1
 Press Release, dated April 20, 2004, of Teradyne, Inc.

Item 12. Results of Operations and Financial Condition.

On April 20, 2004, Teradyne, Inc. (the Company) issued a press release regarding its financial results for the quarter ended April 4, 2004. The Company s press release is attached as Exhibit 99.1 to this Current Report on Form 8-K and incorporated by reference herein.

The information in this Current Report on Form 8-K and the Exhibit attached hereto shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 (the Exchange Act) or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference into any filing under the Securities Act of 1933 or the Exchange Act, regardless of any general incorporation language in such filing.

- 2 -

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.

By:

Dated: April 20, 2004

TERADYNE, INC.

Name: Gregory R. Beecher Title: V.P. & Chief Financial Officer

/s/ Gregory R. Beecher

- 3 -

EXHIBIT INDEX

Exhibit No.

Description

99.1

Press Release, April 20, 2004, of Teradyne, Inc.

- 4 -