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): December 20, 2005

TERADYNE, INC.

(Exact Name of Registrant as Specified in Charter)

Massachusetts	001-06462		04-2272148	
(State or Other Jurisdiction	(Commission File Number)		(IRS Employer	
of Incorporation)			Identification No.)	
321 Harrison Avenue, Boston, Massachusetts			02118	
(Address of Principal Executive Offices)		(Zip Code)		
Registrant s telephone number, including area code (617) 482-2700				
(Former Name o	or Former Address, i	if Changed Since	Last Report)	

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

Edgar Filing: TERADYNE INC - Form 8-K

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- " Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- " Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- " Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 8.01 Other Events.

During the fourth quarter of 2005, Teradyne repurchased \$71.5 million of its 3.75% Convertible Senior Notes due 2006 (the Notes) through several privately negotiated transactions, at a weighted average price of 99.11% of the principal amount of the Notes. These repurchases were made pursuant to the Board of Directors authorization given to management on August 18, 2004 and as amended on October 21, 2005, and represent the remaining amount authorized for repurchase. As of December 20, 2005, \$300 million of the principal amount of the Notes remain outstanding.

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.

TERADYNE, INC.

Dated: December 21, 2005

By: /s/ Gregory R. Beecher

Name: Gregory R. Beecher

Title: V.P. & Chief Financial Officer