Gray Charles Jeffrey Form 4 January 30, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

Form filed by More than One Reporting

Person

January 31, 2005

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **Gray Charles Jeffrey** Issuer Symbol TERADYNE, INC [TER] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner Other (specify _X__ Officer (give title TERADYNE, INC., 600 01/26/2018 below) RIVERPARK DRIVE VP,General Counsel & Secretary (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person

NORTH READING, MA 01864

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned								y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transac Code (Instr. 8		4. Securities Acquired (A) onor Disposed of (D) (Instr. 3, 4 and 5) (A) or			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
G			Code	V	Amount		Price	(Instr. 3 and 4)		
Common Stock	01/26/2018		S		596	D	\$ 47.2504	31,593	D	
Common Stock	01/26/2018		S		1,593	D	\$ 47.26	30,000	D	
Common Stock	01/26/2018		M		2,851	A	\$ 19.16	32,851	D	
Common Stock	01/26/2018		S		2,851	D	\$ 47.2527	30,000	D	
Common Stock	01/26/2018		$G_{\underline{(1)}}$	V	900	D	\$ 0	29,100	D	

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Common Stock	01/29/2018	M	3,603	A	\$ 46.86	32,703	D
Common Stock	01/29/2018	F(2)	1,062	D	\$ 46.86	31,641	D
Common Stock	01/29/2018	M	2,626	A	\$ 46.86	34,267	D
Common Stock	01/29/2018	F(2)	774	D	\$ 46.86	33,493	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	5. Number of tiorDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and A Underlying S (Instr. 3 and
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Non-qualified Stock Option (Right to Buy)	\$ 19.16	01/26/2018		M		2,851	01/24/2015(3)	01/24/2021	Common Stock
Restricted Stock Units	\$ 0 (4)	01/26/2018		A	6,510		<u>(5)</u>	<u>(5)</u>	Common Stock
Non-qualified Stock Option (Right to Buy)	\$ 47.7	01/26/2018		A	6,163		01/26/2019(6)	01/26/2025	Common Stock
Restricted Stock Units	\$ 0 (7)	01/29/2018		M		3,603	<u>(7)</u>	<u>(7)</u>	Common Stock
Restricted Stock Units	\$ 0 (8)	01/29/2018		M		2,626	(8)	(8)	Common Stock

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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Director 10% Owner Officer Other

Gray Charles Jeffrey TERADYNE, INC. 600 RIVERPARK DRIVE NORTH READING, MA 01864

VP, General Counsel & Secretary

Signatures

/s/ Ryan E. Driscoll, Deputy General Counsel, by power of attorney

01/30/2018

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) Represents a charitable gift by the reporting person.
- (2) Shares/units withheld but not issued to satisfy certain tax withholding obligations.
- This option is granted under Teradyne's 2006 Equity and Cash Compensation Incentive Plan, and is exercisable at the rate of 25% per year, commencing on the date of the first anniversary of the grant, January 24, 2015.
- (4) Each Restricted Stock Unit (RSU) represents the right to receive one share of Teradyne, Inc. common stock.
- These RSU's were issued under Teradyne's 2006 Equity and Cash Compensation Incentive Plan, are time-based, and will vest in four equal installments beginning on January 26, 2019.
- This option is granted under Teradyne's 2006 Equity and Cash Compensation Incentive Plan, and is exercisable at the rate of 25% per year, commencing on the date of the first anniversary of the grant, January 26, 2019.
- Indicates conversion upon vesting of 25% of the time-based RSU's granted on January 29, 2016. The remaining portion will vest in two equal installments annually on the anniversary of the grant.
- Indicates conversion upon vesting of 25% of the time-based RSU's granted on January 27, 2017. The remaining portion will vest in three equal installments annually on the anniversary of the grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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