

KLA TENCOR CORP
 Form 4/A
 January 27, 2005

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
BINGHAM H RAYMOND

2. Issuer Name and Ticker or Trading Symbol
KLA TENCOR CORP [klac]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
160 RIO ROBLES
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
01/25/2005

Director 10% Owner
 Officer (give title below) Other (specify below)

SAN JOSE, CA 95134
 (City) (State) (Zip)

4. If Amendment, Date Original Filed (Month/Day/Year)
01/26/2005

6. Individual or Joint/Group Filing (Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (9-02)

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	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
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Derivative Security		(A) or Disposed of (D) (Instr. 3, 4, and 5)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
		Code	V					
Non-Qualified Stock Option	\$ 37.05			11/08/2002	11/08/2012	Common Stock	10,000	
Non-Qualified Stock Option	\$ 40.68			10/18/2004	10/18/2014	Common Stock	2,500	
Non-Qualified Stock Option	\$ 44.76			01/25/2005	01/25/2015	Common Stock	2,500	
Non-Qualified Stock Option	\$ 47.23			11/09/2001	11/09/2011	Common Stock	10,000	
Non-Qualified Stock Option	\$ 52.75			08/15/2000	08/15/2010	Common Stock	20,000	
Non-Qualified Stock Option	\$ 59.44			11/05/2003	11/05/2013	Common Stock	10,000	
Non-Qualified Stock Option	\$ 44.76	01/25/2005	A	5,000	01/25/2005	01/25/2015	Common Stock	5,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BINGHAM H RAYMOND 160 RIO ROBLES SAN JOSE, CA 95134	X			

Signatures

Raymond
Bingham

01/27/2005

**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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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