

KISPERT JOHN H
 Form 4
 October 20, 2004

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 *
KISPERT JOHN H

(Last) (First) (Middle)

C/O KLA-TENCOR CORPORATION, 160 RIO ROBLES

(Street)

SAN JOSE, CA 95130

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
10/18/2004

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 Indirect Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock-Restricted Stock Units ⁽¹⁾	10/18/2004		A	48,333	A \$ 0 ⁽²⁾	48,333	D
Common Stock					7,008	I	by Trust

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

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SEC 1474 (9-02)

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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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 10.63					08/31/1999 08/31/2008	Common Stock 5,000
Non-Qualified Stock Option (right to buy)	\$ 26.25					11/10/2001 11/10/2010	Common Stock 9,000
Non-Qualified Stock Option (right to buy)	\$ 29.31					10/02/2002 10/02/2011	Common Stock 38,000
Non-Qualified Stock Option (right to buy)	\$ 32.75					04/04/2002 04/04/2011	Common Stock 10,667
Non-Qualified Stock Option (right to buy)	\$ 33.75					10/27/2000 10/27/2009	Common Stock 1,875
Non-Qualified Stock Option (right to buy)	\$ 34.67					11/08/2003 01/28/2013	Common Stock 25,000
Non-Qualified Stock Option (right to buy)	\$ 37.05					11/08/2003 11/08/2012	Common Stock 12,500
Non-Qualified Stock Option (right to buy)	\$ 40.66					10/27/2004 08/02/2014	Common Stock 11,250
Non-Qualified Stock Option (right to buy)	\$ 41.79					09/21/2005 09/21/2014	Common Stock 75,000
Non-Qualified Stock Option (right to buy)	\$ 44.6875					08/13/2001 08/13/2010	Common Stock 8,658

