

Hall Jeffrey
 Form 5
 August 11, 2005

FORM 5

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

OMB APPROVAL
 OMB Number: 3235-0362
 Expires: January 31, 2005
 Estimated average burden hours per response... 1.0

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
 Hall Jeffrey
 (Last) (First) (Middle)

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

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 VP, Corporate Finance

C/O KLA-TENCOR CORP., 160 RIO ROBLES
 (Street)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
 06/30/2005

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

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

6. Individual or Joint/Group Reporting (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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
				(A) or (D) Amount Price			
Common Stock	^	^	^	^ ^ ^	1,791	D	^
Common Stock-Restricted Stock Units	^	^	^	^ ^ ^	10,000	D	^

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 2270 (9-02)

Edgar Filing: Hall Jeffrey - Form 5

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 Security (Instr. 3 and 4)	Amount or Number of Shares
Non-Qualified Stock Option	\$ 29.31	Â	Â	Â	Â	10/02/2002 10/02/2011	Common Stock	17,2
Non-Qualified Stock Option	\$ 34.67	Â	Â	Â	Â	11/08/2003 01/28/2013	Common Stock	5,5
Non-Qualified Stock Option	\$ 37.05	Â	Â	Â	Â	11/08/2003 11/08/2012	Common Stock	3,2
Non-Qualified Stock Option	\$ 40.66	Â	Â	Â	Â	10/27/2004 08/02/2014	Common Stock	1,9
Non-Qualified Stock Option	\$ 41.79	Â	Â	Â	Â	09/21/2005 09/21/2014	Common Stock	20,0
Non-Qualified Stock Option	\$ 45.16	Â	Â	Â	Â	10/26/2004 04/26/2014	Common Stock	3,2
Non-Qualified Stock Option	\$ 46.67	Â	Â	Â	Â	11/10/2001 07/10/2011	Common Stock	35,8
Non-Qualified Stock Option	\$ 51.229	Â	Â	Â	Â	11/08/2003 07/30/2013	Common Stock	3,2
Non-Qualified Stock Option	\$ 53.86	Â	Â	Â	Â	10/27/2004 10/27/2013	Common Stock	5,2
Non-Qualified Stock Option	\$ 58.1	Â	Â	Â	Â	10/27/2004 01/27/2014	Common Stock	2,6

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hall Jeffrey C/O KLA-TENCOR CORP. 160 RIO ROBLES SAN JOSE, CA 95134	Â	Â	Â VP, Corporate Finance	Â

Signatures

Jeffrey Leroy
Hall

08/11/2005

__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 provided 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.