KLA TENCOR CORP

Form 5

August 03, 2005

FORM 5

OMB APPROVAL

2005

1.0

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

3235-0362 Number: January 31, Expires:

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no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box if

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response...

See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer BARNHOLT EDWARD W Symbol KLA TENCOR CORP [klac] (Check all applicable) 3. Statement for Issuer's Fiscal Year Ended (Last) (First) (Middle) (Month/Day/Year) _X_ Director 10% Owner Officer (give title 06/30/2005 Other (specify below) below) C/O KLA-TENCOR CORP., 160 **RIO ROBLES**

> (Street) 4. If Amendment, Date Original

6. Individual or Joint/Group Reporting

Filed(Month/Day/Year)

(check applicable line)

SAN JOSE, CAÂ 95134

(State)

X Form Filed by One Reporting Person Form Filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1. Title of 2. Transaction Date 2A. Deemed 3. 4. Securities 5. Amount of 6. Ownership

Security (Instr. 3)

(City)

(Month/Day/Year) Execution Date, if (Month/Day/Year)

(Zip)

Transaction Code (Instr. 8)

Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) Securities Beneficially Owned at end of Issuer's Fiscal Year

Form: Direct (D) or Indirect (I) (Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

or Amount (D) Price

(A)

(Instr. 3 and 4)

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

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SEC 2270 (9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and Amoun
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration Date	Underlying Securiti
Security	or Exercise		any	Code	of	(Month/Day/Year)	(Instr. 3 and 4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	:	

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Derivative Security				Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				(A)	(D)	Date Exercisable	Expiration Date	Title	Amor or Numb of Sh
\$ 10.63	Â	Â	Â	Â	Â	04/25/1997	10/25/2006	Common Stock	10,0
\$ 11.66	Â	Â	Â	Â	Â	09/21/1999	09/21/2008	Common Stock	5,0
\$ 17.59	Â	Â	Â	Â	Â	11/17/1998	11/17/2008	Common Stock	5,8
\$ 26.25	Â	Â	Â	Â	Â	11/10/2000	11/10/2010	Common Stock	10,0
\$ 34.94	Â	Â	Â	Â	Â	09/19/1998	09/19/2007	Common Stock	5,0
\$ 37.05	Â	Â	Â	Â	Â	11/08/2002	11/08/2012	Common Stock	10,0
\$ 40.24	Â	Â	Â	Â	Â	05/11/2005	05/11/2015	Common Stock	2,5
\$ 40.68	Â	Â	Â	Â	Â	10/18/2004	10/18/2014	Common Stock	2,5
\$ 44.76	Â	Â	Â	Â	Â	01/25/2005	01/25/2015	Common Stock	2,5
\$ 46.28	Â	Â	Â	Â	Â	11/16/1999	11/16/2009	Common Stock	10,0
\$ 47.23	Â	Â	Â	Â	Â	11/09/2001	11/09/2011	Common Stock	10,0
\$ 59.44	Â	Â	Â	Â	Â	11/05/2003	11/05/2013	Common Stock	10,0
	\$ 10.63 \$ 11.66 \$ 17.59 \$ 26.25 \$ 34.94 \$ 37.05 \$ 40.24 \$ 40.68 \$ 44.76 \$ 46.28 \$ 47.23	\$ 10.63	\$ 10.63	\$ 10.63	Security Acquarity \$ 10.63	Security Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) (A) (D) \$ 10.63	Security Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Security Acquired (A) or	Security

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
BARNHOLT EDWARD W C/O KLA-TENCOR CORP. 160 RIO ROBLES SAN JOSE, CA 95134	ÂX	Â	Â	Â			

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Signatures

Edward Barnholt 08/03/2005

**Signature of Date
Reporting Person

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.

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