

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

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

OMB Number:	3235-0362
Expires:	January 31, 2005
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5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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

6. Individual or Joint/Group Reporting

(check applicable line)

☒ _X_ Form Filed by One Reporting Person
☐ ___ Form Filed by More than One Reporting Person

(City) (State) (Zip)

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)	(D)	Price			
				Amount					
Common Stock	Â	Â	Â	Â	Â	Â	4,200	D	Â

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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)

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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 Underlying Security (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Non-Qualified Stock Option	\$ 37.05	Â	Â	Â	Â	Â	11/08/2002	11/08/2012	Common Stock	10,000
Non-Qualified Stock Option	\$ 40.24	Â	Â	Â	Â	Â	05/11/2005	05/11/2015	Common Stock	2,500
Non-Qualified Stock Option	\$ 40.68	Â	Â	Â	Â	Â	10/18/2004	10/18/2014	Common Stock	2,500
Non-Qualified Stock Option	\$ 44.76	Â	Â	Â	Â	Â	01/25/2005	01/25/2015	Common Stock	2,500
Non-Qualified Stock Option	\$ 59.44	Â	Â	Â	Â	Â	11/05/2003	11/05/2013	Common Stock	10,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
TOMPKINS JON D C/O KLA TENCOR 160 RIO ROBLES SAN JOSE, CA 95134	Â X	Â	Â	Â

Signatures

Jon D.
Tompkins 08/03/2005

**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.