FORM 4

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

OMB APPRO	VAL
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Typ	e Responses)																	
Name and Address of Reporting Person + TOMPKINS JON D				2. Issuer Name and Ticker or Trading Symbol KLA TENCOR CORP [KLAC]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)X_ Director10% Owner							
(Last) C/O KLA ROBLES		(First) R CORPORATIO	337 1 CO DIO	3. Date of 10/18/2			ansac	tion (M	Ionth/Da	ny/Year	·)		(Officer (give	title below)	Oth	er (specify bel	ow)	
(Street) SAN JOSE, CA 95130				4. If Amendment, Date Original Filed(Month/Day/Year)								6. Individual or Joint/Group Filing(Check Applicable Line) Form filed by More than One Reporting Person Form filed by More than One Reporting Person							
(City		(State)	(Zip)			1	[able	I - No	n-Deriva	ative S	ecurities	Acqui	ired, I	Disposed	of, or Benef	ficially Own	ed		
1. Title of Security 2. Transaction Date (Month/Day/Ye			2A. Deemed Execution Date		ed	te, if Cod		ion 4.	4. Securities Acqu (A) or Disposed o (Instr. 3, 4 and 5)		aired	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)			6. Ownership Form:	7. Na of Inc	direct		
				(Mont	h/Da	y/Year)	C	ode	V At	nount	(A) or (D)	Price	(Instr. 3 and 4) Direction or (I)			Direct (D) or Indirect (I) (Instr. 4)	Indirect (Instr. 4)		
Common	Stock												4,20	0			D		
Reminder: R	Report on a so	eparate line for each	class of securities b					P ir d	ersons this fo isplays	rm ar	e not re rently v	quired alid O	d to re	espond ontrol n	unless the	ion contain form	ed SEC	1474 ((9-02)
		1	Table 11								e securit		Owne	·u					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security		3A. Deemed Execution Date, if any (Month/Day/Year)	Code		5. Num of Derivat Securit Acquir (A) or Dispose of (D) (Instr. 3 and 5)	tive ies ed	Expira	te Exerci ation Dat th/Day/Y	te	nd	7. Title and Amount of Underlying Securities (Instr. 3 and 4)			9. Number Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Owner Form of Deriva Securit Direct or Indi	ship of B O O O O O O O O O O O O O O O O O O	1. Nature f Indirect geneficial ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exerc	isable	Expira Date	ation	Title		Amount or Number of Shares					
Non- Qualified Stock Option (right to buy)	\$ 40.68	10/18/2004		A		2,500		10/18	8/2004	10/18	8/2014	Com Sto		2,500	\$ 0	2,500	D		
Non- Qualified Stock Option (right to buy)	\$ 37.05							11/08	8/2002	11/08	8/2012	Com	mon ock	10,000		10,000	D		
Non- Qualified Stock Option (right to buy)	\$ 59.44							11/05	5/2003	11/0:	5/2013	Com Sto		10,000		10,000	D		

Reporting Owners

	Relationships					
Reporting Owner Name / Address	Director	10% Owner	Officer	Other		

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Signatures

By: Stuart J. Nichols For: Jon D. Tompkins	10/18/2004			
**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.

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.