

FORM 4
 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

1. Name and Address of Reporting Person(s)
 Kaufman, Stephen P.
 306 Beacon Street
 Unit no. 3

 Boston, MA 02116
2. Issuer Name and Ticker or Trading Symbol
 KLA-Tencor Corporation (KLAC)
3. I.R.S. Identification Number of Reporting Person, if an entity (Voluntary)
4. Statement for Month/Year
 11/02
5. If Amendment, Date of Original (Month/Year)
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)
 Director 10% Owner
 Officer (give title below) Other (specify below)
 Director
7. Individual or Joint/Group Filing (Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

<TABLE>
 <CAPTION>
 Table I Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1) Title of Security 7) Nature of	2) Trans- action Date (Month/ Day/Year)	3) Trans- action Code Code V	4) Securities Acquired (A) or Disposed of (D) Amount Price	5) Amount of Securities Beneficially Owned at End of Month	6) D or I
Indirect Beneficial Ownership					
<S> <C>	<C>	<C>	<C>	<C><C>	<C> <C>

<CAPTION>
 Table II (PART 1) Derivative Securities Acquired, Disposed of, or Beneficially Owned (Columns 1 through 6)

1) Title of Derivative Exercisable and Security Date	2) Conversion or Exercise Price of Derivative Security	3) Trans- action Date	4) Trans- action Code Code V	5) Number of Derivative Securities Acquired (A) or Disposed of (D) A D	6) Date Expiration
Exercisable Expiration					
<S> <C>	<C>	<C>	<C>	<C>	<C>
Non-Qualified Stock Option 11/08/12 (right to buy)	\$37.0500	11/08/02	A	5,000	
Non-Qualified Stock Option 11/08/12 (right to buy)	\$37.0500	11/08/02	A	5,000	

<CAPTION>
 Table II (PART 2) Derivative Securities Acquired, Disposed of, or Beneficially Owned (Columns 1,3 and 7 through 11)

1) Title of Derivative 11) Nature of Security Indirect Beneficial	3) Trans- action Date	7) Title and Amount of Underlying Securities	8) Price of Deri- vative Security	9) Number of Derivative Securities Beneficially	10) D or
			Amount or	Security	Beneficially or

Ownership

		Title	Number of Shares		Owned at End of Month	I

<S>	<C>	<C>	<C>	<C>	<C>	<C>
<C>						
Non-Qualified Stock Option Direct (right to buy)	11/08/02	Common Stock	5,000			D
Non-Qualified Stock Option Direct (right to buy)	11/08/02	Common Stock	5,000		10,000	D

<FN>
Explanation of Responses:

</FN>
</TABLE>
SIGNATURE OF REPORTING PERSON
/S/ By: Stuart J. Nichols
For: Stephen P. Kaufman
DATE 11/12/02