```
1
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
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)
  Campagna, John Peter
  12233 Menalto Drive
  Los Altos Hills, CA 94022
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/Day/Year
  05/02/2003
5. If Amendment, Date of Original (Month/Day/Year)
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)
  [ ] Director
                         [ ] 10% Owner
  [X] Officer (give title below) [ ] Other (specify below)
  Vice President and Treasurer
7. Individual or Joint/Group Filing (Check Applicable Line)
  [X] 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
                                      2) Trans- 4. Securities Acquired (A)
                                                                                5) Amount of 6)
7) Nature of
                                               action or Disposed of (D)
                                      action
                                                                                Securities
Indirect
                                                                                 Beneficially D
                                      Date
                                               Code
                                                                   Α
Beneficial
                                      (Month/
                                                                                 Owned at
                                                                   or
Ownership
                                      Day/Year) Code V Amount D Price
                                                                                End of Month I
<S>
                                      <C>
                                                <C>
                                                        <C>
                                                                    <C><C>
                                                                                 <C>
<C>
Common Stock
                                      05/02/03 M
                                                       5,850
                                                                   A $29.3100
                                                                                              D
Direct
                                      05/02/03 S 5,850 D $41.8390 0
Common Stock
Direct
Table II (PART 1) Derivative Securities Acquired, Disposed of, or Beneficially
Owned (Columns 1 through 6)
1) Title of Derivative
                         2)Conversion 3)Trans-
                                                  4)Trans- 5)Number of Derivative
Exercisable and
Security
                         or Exercise
                                       action
                                                   action
                                                          Securities Acquired (A)
                                                                                        Expiration
Date
                                                   Code or Disposed of (D)
                         Price of
                                      Date
                          Derivative
                                                    Code V A
                          Security
Exercisable Expiration
_____
<S>
                                       <C>
                                                   <C>
                                                           <C>
<C>
Non-Qualified Stock Option $29.3100 05/02/03 M
                                                                          5,850
10/02/11
(right to buy)
Non-Qualified Stock Option
                         $31.8125
12/22/10
(right to buy)
Non-Qualified Stock Option $34.6700
01/28/13
(right to buy)
Non-Qualified Stock Option $37.0500
11/08/12
```

(right to buy)

<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	3)Trans-	7) Title and Amount		8)Price	9)Number of	10)
Security Indirect	action	of Underlying		of Deri-	Derivative	
	Date	Securities		vative	Securities	D
Beneficial						
Ownership			Amount or	Security	Beneficially	or
		Title	Number of Shares		Owned at End of Month	I
<s></s>	<c></c>	<c></c>	<c></c>	<c></c>	<c></c>	<c></c>
<c></c>		_				
Non-Qualified Stock Option Direct (right to buy)	05/02/03	Common Stock	5,850		13,650	D
Non-Qualified Stock Option Direct		Common Stock	16,730		16,730	D
<pre>(right to buy) Non-Qualified Stock Option</pre>		Common Stock	6 <b>,</b> 500		6,500	D
Direct (right to buy)						
Non-Qualified Stock Option Direct		Common Stock	3,250		3,250	D

<FN>

(right to buy)

Explanation of Responses:

</FN>
</TABLE>
SIGNATURE OF REPORTING PERSON
/S/ By: Stuart J. Nichols
 For: John Peter Campagna
DATE 05/02/03