

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

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

DATE OF REPORT (DATE OF EARLIEST EVENT REPORTED): JANUARY 12, 1994

KLA INSTRUMENTS CORPORATION
(Exact name of registrant as specified in its charter)

DELAWARE
(State or other jurisdiction
of
incorporation or organization)
160 RIO ROBLES, SAN JOSE, CA
(Address of principal executive offices)

0-9992
(Commission File Number)

04-256411
(I.R.S. Employer
Identification No.)

95161
(Zip Code)

Registrant's telephone number, including area code: (408) 434-4200

(Former name, former address and former fiscal year, if changed since last
report)

THIS REPORT, INCLUDING EXHIBITS, CONSISTS OF 5 PAGES. THE EXHIBIT INDEX IS
LOCATED ON PAGE 4.

ITEM 5. OTHER EVENTS

On January 12, 1994, KLA Instruments Corporation ("KLA") announced in a
press release its expected revenues and earnings per share for its second
quarter ended December 31, 1993.

A copy of the press release is attached hereto as Exhibit 1 and is
incorporated herein by reference.

ITEM 7. EXHIBITS

EXHIBIT NO.	DESCRIPTION
1	Press Release of KLA dated January 12, 1994 regarding its expected revenues and earnings per share for its second quarter ended December 31, 1993.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the
registrant has duly caused this report to be signed on its behalf by the
undersigned thereunto duly authorized.

Date: January 11, 1994

KLA INSTRUMENTS CORPORATION

By: ROBERT J. BOEHLKE
Robert J. Boehlke, Vice
President,
Finance and Administration, and
Chief
Financial Officer

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KLA INSTRUMENTS CORPORATION

EXHIBIT INDEX
TO FORM 8-K
DATED JANUARY 12, 1994

EXHIBIT NO.	EXHIBITS	SEQUENTIALLY NUMBERED PAGE
1	Press Release of KLA dated January 12, 1994 regarding its expected revenues and earnings per share for its second quarter ended December 31, 1993.	5

EXHIBIT 1

KLA Instruments Corporation
160 Rio Robles
San Jose, California 95134

News Release

CONTACT: Robert J. Boehlke
Chief Financial
Officer
(408) 456-6285

KLA EXPECTS TO POST Q2 EARNINGS OF \$0.30 PER SHARE

SAN JOSE, California, January 12, 1994 -- KLA Instruments said that it expects to report earnings per share for its second quarter ended December 31, 1993 of \$0.30 on sales of about \$57 million.

New orders increased approximately 40% over the prior quarter largely as a result of the strong demand for the Company's 2100 series in-line monitors. As a result the Company's book-to-bill ratio was over 1.3 for the quarter. The Company includes both systems and service in its book-to-bill calculation.

The Company expects to report complete results for the second quarter on January 19, 1994.

KLA Instruments Corporation is the world's leading manufacturer of yield monitoring and process control systems for the semiconductor manufacturing industry. KLA is a publicly held corporation traded on The Nasdaq National Market under the symbol "KLAC."