

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K/A

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 18, 2000

MERCURY COMPUTER SYSTEMS, INC.
(Exact name of registrant as specified in its charter)

MASSACHUSETTS	0-23599	04-2741391
(State or other jurisdiction of incorporation or organization)	(Commission file number)	(IRS employer identification number)

199 RIVERNECK ROAD CHELMSFORD, MA 01824
(Address of principal executive offices)

978-256-1300
(Registrant's telephone number, including area code)

ITEM 5. OTHER EVENTS

This amendment is being filed to include the signature page which was inadvertently omitted from the original February 2, 2000 form 8-K filing.

MERCURY COMPUTER SYSTEMS, INC.
SIGNATURE

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 hereunto duly authorized.

MERCURY COMPUTER SYSTEMS, INC.

Date: February 2, 2000

By: /s/ G. MEAD WYMAN

G. Mead Wyman
Senior Vice President, Chief Financial
Officer and Treasurer
(Principal Financial and Accounting
Officer)

MERCURY COMPUTER SYSTEMS, INC.
SIGNATURE

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

MERCURY COMPUTER SYSTEMS, INC.

Date: June 2, 2000

By: /s/ G. MEAD WYMAN

G. Mead Wyman
Senior Vice President, Chief Financial Officer
and Treasurer
(Principal Financial and Accounting Officer)