

MERCURY COMPUTER SYSTEMS INC  
 Form 4  
 March 14, 2008

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**BERTELLI JAMES R**

2. Issuer Name and Ticker or Trading Symbol  
**MERCURY COMPUTER SYSTEMS INC [MRCY]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
**34 POWERS ROAD**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**03/11/2008**

Director  10% Owner  
 Officer (give title below)  Other (specify below)  
**Exec Chairman of the Board**

**HOLLIS, NH 03049**

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	03/11/2008		S		1,800 D \$ 4.94	803,372	D
Common Stock	03/11/2008		S		1,100 D \$ 4.99	802,272	D
Common Stock	03/11/2008		S		1,400 D \$ 5	800,872	D
Common Stock	03/11/2008		S		3,600 D \$ 5.07	797,272	D
Common Stock	03/11/2008		S		1,500 D \$ 5.09	795,772	D

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Common Stock	03/11/2008	S	2,500	D	\$ 5.11	793,272	D
Common Stock	03/11/2008	S	1,100	D	\$ 5.12	792,172	D
Common Stock	03/12/2008	S	10,000	D	\$ 4.93	782,172	D
Common Stock	03/12/2008	S	2,000	D	\$ 4.96	780,172	D
Common Stock	03/12/2008	S	3,200	D	\$ 4.97	776,972	D
Common Stock	03/12/2008	S	6,427	D	\$ 4.98	770,545	D
Common Stock	03/12/2008	S	2,573	D	\$ 5	767,972	D
Common Stock	03/12/2008	S	2,500	D	\$ 5.05	765,472	D
Common Stock	03/12/2008	S	600	D	\$ 5.15	764,872	D
Common Stock	03/12/2008	S	400	D	\$ 5.22	764,472	D
Common Stock	03/13/2008	S	50,000	D	\$ 4.97	714,472	D
Common Stock	03/14/2008	S	23,100	D	\$ 4.7995	691,372	D
Common Stock						12,400 <sup>(1)</sup>	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
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4, and 5)

	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Code V (A) (D)				

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BERTELLI JAMES R 34 POWERS ROAD HOLLIS, NH 03049	X			Exec Chairman of the Board

## Signatures

Robert E. Hult, Attorney-in-fact	03/14/2008
<u>    </u> 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).
- (1) This reporting person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the reporting person is beneficial owner of these securities for purposes of Section 16 or any other purposes.

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.