FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL								
OMB Number:	3235-0287							
Estimated average burden								
hours per response:	0.1							

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*  BERTELLI JAMES R					M	2. Issuer Name and Ticker or Trading Symbol MERCURY COMPUTER SYSTEMS INC [ MRCY ]									5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  X Director 10% Owner Officer (give title V Other (specif				Owner
(Last) 34 POWE	(Fir	,	Middle)			ate of 1		t Trans	action (M	lonth/	Day/Year)					belov	w)	X below	v)`
(Street) HOLLIS (City)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Indiv Line) X	ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting  Person			
		Tabl	e I - No	n-Deriv	ative	Seci	uritie	s Acc	uired,	Dis	posed o	f, o	r Ber	nefic	ially	Owne	ed		
[			Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transa Code (I 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4				and 5) Securiti Benefic Owned		ities icially d Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
									Code	v	Amount		(A) or (D)		•		ed ction(s) 3 and 4)		(Instr. 4)
Common	Stock			02/11/	2008				S		1,800		D	\$	7.8	84	40,898	D	
Common	Stock			02/11/	2008				S		100		D	\$7	.83	84	40,798	D	
Common	Stock			02/11/	2008				S		100		D	\$7	.91	84	40,698	D	
Common	Stock			02/12/	/2008				S		2,000		D	\$7.	593	8	38,698	D	
Common	Stock			02/12/	/2008				S		2,500		D	\$7.	5988	8	36,198	D	
Common	Stock			02/12/	/2008				S		2,000		D	\$7.	5625	8	34,198	D	
Common	Stock			02/12/	/2008				S		2,000		D	\$7.0	6765	8	32,198	D	
Common	Stock			02/12/	/2008	$\perp$			S		1,500		D	\$7.	712	8	30,698	D	
Common	Stock			02/12/	/2008				S		2,100		D	\$7.	741	8	28,598	D	
Common	Stock			02/12/	/2008				S		2,000	_	D	\$7.8	3435	8	26,598	D	
Common	Stock			02/12/	/2008				S		1,000		D	\$7	.92	8	25,598	D	
		Та						•	•		osed of, onvertib				•	vned			
1. Title of Derivative Security (Instr. 3)  2. Conversion or Exercise Price of Derivative Security  3. Transaction Date Execution I if any (Month/Day/Year)				n Date,	ed 4. Date, Transactio		5. Number on of		6. Date Exercis Expiration Dat (Month/Day/Ye		e	Am Sec Und Der Sec	7. Title and Amount of Securities Underlying Derivative Security (In and 4)		Deri Secu (Inst	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
Explanation	of Respons	es:			Code	V	(A)		Date Exercisa		Expiration Date	Title	or Nu of	umber					

Robert E. Hult, Attorney-infact \*\* Signature of Reporting Person

02/12/2008

Date

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

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).