FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number:	3235-0287								
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0.5

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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

					01 .	Jecuit	011 30(11)	or tile	IIVCStilic	iii Coi	inpuny Act	11340								
1. Name and Address of Reporting Person* BERTELLI JAMES R					<u>M</u>	2. Issuer Name and Ticker or Trading Symbol MERCURY COMPUTER SYSTEMS INC MRCY									Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) 34 POWI	(Fir	,	(Middle)				3. Date of Earliest Transaction (Month/Day/Year) 03/11/2008									Officer (give title below) Exec Chairman of the Board				
(Street) HOLLIS NH 03049					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting					
(City)	(St	ate) (Zip)													Person				
		Tabl	e I - No	n-Deri\	/ative	Se	curitie	s Ac	quired,	Dis	posed o	f, or E	Benef	ficially	Owne	ed				
1. Title of Security (Instr. 3) 2. Transac Date (Month/Da				Execution Date,		Transaction I		4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4				Securi Benefi Owner	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership					
									Code	v	Amount	(A) (D)	or P	rice	Repor Transa (Instr.	ted action(s) 3 and 4)		(Instr. 4)		
Common	Stock			03/11	/2008				S		1,800	I)	\$4.94	8	03,372	D			
Common	Stock			03/11	/2008				S		1,100	Γ)	\$4.99	8	02,272	D			
Common	Stock			03/11	/2008	T			S		1,400	Γ)	\$5	8	00,872	D			
Common Stock 03/11/2					/2008				S		3,600	Γ)	\$5.07	79	97,272	D			
Common Stock 03/11/2									S		1,500	I)	\$5.09	7	95,772	D			
Common Stock 03/11/20									S		2,500	I)	\$5.11	7	93,272	D			
Common Stock 03/11/2									S		1,100	I)	\$5.12	7	92,172	D			
Common Stock 03/12/2					/2008				S		10,000	Г)	\$4.93	78	82,172	D			
Common Stock 03/12/2									S		2,000	1)	\$4.96	78	80,172	D			
Common Stock 03/12/2						Ì			S		3,200	Г)	\$4.97	7	76,972	D			
Common Stock 03/12/2									S		6,427	Г)	\$4.98	7	70,545	D			
Common Stock 03/12/2					/2008				S		2,573	I)	\$5	70	67,972	D			
Common Stock 03/12/2					/2008	2008		S		2,500	I)	\$5.05	70	65,472	D				
Common Stock 03/12/20					/2008	2008			S		600	0 D S		\$5.15	764,872		D			
Common Stock 03/12/20						2008		S		400	Ι)	\$5.22	7(64,472	D				
Common Stock 03/13/2						2008		S		50,000	Ι)	\$4.97	714,472		D				
Common Stock 03/14/2					/2008	2008			S		23,100	I	\$	4.7995	6	91,372	D			
Common Stock															12	2,400(1)	D			
		Та									sed of, onvertib				wned					
1. Title of Derivative Security (Instr. 3)	titve Conversion Date Execution Date ity or Exercise (Month/Day/Year) if any		n Date,	4. Transactio		5. Number on of		6. Date Exercis. Expiration Date (Month/Day/Yea		e	7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4)		Dei Sed (Ins	ivative urity Securitie Beneficia Owned Following Reported	Following Reported Transaction(Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
						(A)	(D)	Date Exercisa		Expiration Date	Amoun or Numbe of Shares		per							

Explanation of Responses:

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.

Robert E. Hult, Attorney-in-<u>fact</u>

03/14/2008

** Signature of Reporting Person

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

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.