FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

l	OMB APPRO	JVAL
	OMB Number:	3235-0287
	Estimated average bure	den

0.5

hours per response:

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

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						2. Issuer Name and Ticker or Trading Symbol MERCURY COMPUTER SYSTEMS INC [MRCY]									(Check all ap		olicable) ctor	Person(s) to Issuer 10% Owner			
(Last) 34 POWE	(Fir ERS ROAD	,	Middle)			ate of 05/20		st Trans	action (M	onth/[Day/Year)				X		fficer (give title other (specify below) President and CEO				
Street) HOLLIS NH 03049 (City) (State) (Zip)					4. If	4. If Amendment, Date of Original Filed (Month/Day/Year)									i. Indiv ine) X						
		Tabl	e I - No	n-Deriv	ative	Sec	uritie	s Acc	quired,	Disp	posed o	f, o	r Ben	efici	ally	Owne	ed				
Da				Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)						4 and Secu		cially I Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
									Code	v	Amount		(A) or (D)	Price	•	Transa	action(s) 3 and 4)		(
Common		09/05/2003					S		1,100		D	\$23.92		729,970(1)		D					
Common		09/05/2003					S		200		D	\$23.98		729,770 ⁽¹⁾		D					
Common	09/08/2003					S		1,500)	D	\$23.66		728,270(1)		D						
Common	09/08	/08/2003				S		3,259		D	\$23.68		725,011(1)		D						
Common	09/08	08/2003				S		1,682		D	\$23.7		723,329(1)		D						
Common	09/08	9/08/2003				S		1,100		D	\$23.71		722,229(1)		D						
Common	Stock	09/08	09/08/2003				S		2,500		D	\$23.72		719,729 ⁽¹⁾		D					
Common	ommon Stock								S		659		D	\$23.73		719,070 ⁽¹⁾		D			
		Та									sed of, onvertib					wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Executior if any (Month/Da	ned n Date,	4. Transa Code (8)	ction	5. Number 6		6. Date Expiration	5. Date Exercis Expiration Date Month/Day/Yea		7. T Am Sec Und Der Sec	7. Title and Amount of Securities Underlying Derivative Security (Inst and 4)		8. Pı Deri Seci	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction((Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
	of Pasnons				Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or Nu of	imber ares							

1. Includes 12,400 shares held by Mr. Bertelli's spouse.

Joseph M. Hartnett, Attorneyin-fact

09/09/2003

** 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.