FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington

Washington, D.C. 20049	OMB APPROVAL			
STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP	OMB Number:	3235		

ı									
ı	OMB Number:	3235-0287							
Estimated average burden									
ı	hours por rosponso:	0.5							

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*  SKALABRIN MARK F				<u>M</u>	2. Issuer Name <b>and</b> Ticker or Trading Symbol  MERCURY COMPUTER SYSTEMS INC  MRCY ]							5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  Director 10% Owner  X Officer (give title Other (specify					
(Last) (First) (Middle) 470 BEACON STREET, #10					3. Date of Earliest Transaction (Month/Day/Year) 07/28/2004							below)	OEM So	lution	below)	poony	
(Street) BOSTON MA 02116  (City) (State) (Zip)					4.1	4. If Amendment, Date of Original Filed (Month/Day/Year)							Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting Person				
		Tal	ble I - Non	ı-Deriv	vativ	e Se	curitie	s Ac	quired, Di	sposed o	f, or Ber	eficially	y Owned				
1. Title of Security (Instr. 3)  2. Transa Date (Month/D.				Execution Date,		Code (Insti					es Fo ally (D Following (I)	Form:	Direct I Indirect I str. 4)	7. Nature of Indirect Beneficial Ownership			
						Code V	Amount	(A) or (D)	Price	Reported Transact (Instr. 3 a	action(s)			(Instr. 4)			
									uired, Disp s, options,				Owned				
1. Title of Derivative Security (Instr. 3)	tive Conversion Date Execution Date, or Exercise (Month/Day/Year) if any		ate, T	4. Transaction Code (Instr. r) 8)		of		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownershi Form: ly Direct (D) or Indirec (I) (Instr. 4	Ownership	Beneficial Ownership (Instr. 4)	
					Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Non- Qualified Stock Option (Right to	\$23.46	07/28/2004			A		20,000		07/28/2005 <sup>(1)</sup>	07/28/2014	Common	20,000	\$0 <sup>(2)</sup>	20,000	)	D	

## **Explanation of Responses:**

- 1. This option vests as to 5,000 shares on each of July 28, 2005, 2006, 2007 and 2008.
- 2. Field N/A to this transaction but was completed to allow for electronic filing only.

<u>Joseph M. Hartnett, Attorney-</u>

07/29/2004

in-fact

\*\* 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.