OMB APPROVAL OMB APPROVAL

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U.S. SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

FORM 4

Common Stock

Co	ommon Stock	02/16/00		1,600	D	\$44.3824	4,000	I	Note 1
	itle of Security Instr. 3)	2. Transaction Date (mm/dd/yy)	3. Transaction Code (Instr. 8) Code V	4. Securities Acquing Disposed of (D) (Instr. 3, 4 ar	`	,	5. Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6. Owner- ship Form: Direct (D) or Indirect (I) (Instr.4)	7. Nature of Indirect Beneficia Ownership (Instr. 4
==	Table I Non-Deriva or	:							
	[] Form filed by More th		erson						
	. Individual or Joint/Group Fi. (Check applicable line) [X] Form filed by One Re	ling	=======	========	=				
	[X] Director [] Officer (give title	below) [] 10% Owne] Other (s	r pecify below)					
	. Relationship of Reporting Per (Check all applicable)		========	===========	Ξ				
	. If Amendment, Date of Origina								
	February 2000 ==================================								
	 . Statement for Month/Year	=======================================	========	==========	=				
	. IRS or Social Security Number								
	MERCURY COMPUTER SYSTEMS,	=======================================		=========	=				
	. Issuer Name and Ticker or Tra				-				
	(City) (State)								
_	Boston MA	02:	199 						
-									
	790 Boylston Street, Apt. 2		,						
-	(Last) (First)								
1.	. Name and Address of Reporting Sallen Melvin								
	None and Address of Departies		========	=========	=				
[] Check this box if no longer obligations may continue.								
	Section 17(a) of the Pub Section 30(f) of	lic Utility Holding the Investment Comp							
	Filed pursuant to Section			ge Act of 1934,					
	STATEMENT OF A	CHANGES IN BENEFICIA	AI ()WNERCHTD						

36,500 D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly $% \left(1\right) =\left\{ 1\right\} =\left\{ 1\right\}$

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

1.	2. Conversion of Exercise Price	3. Trans- action	4. Trans- action Code	5. Number of Derivative Securities Acquired (A) or Disposed of(D)	•	on Date ay/Year)	7. Title and of Underl Securitie (Instr. 3	ying s and 4) Amount	8. Price of Deriv- ative	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End	Owner-ship of Derivative Security: Direct (D) or In-	11. Nature of In- direct Bene- ficial
Title of Derivative	Deriv- ative	Date (Month/	(Instr. 8)	(Instr. 3, 4 and 5)	Date	Expira-		or Number	Secur- ity	of Month	direct (I)	Owner- ship
Security (Instr. 3)	Secur- ity	Day/ Year)	Code V	(A) (D)	Exer- cisable	tion Date	Title	of Shares	(Instr. 5)	(Instr. 4)	(Instr. 4)	(Instr. 4)
Stock Option (Right to Buy)	2.00	7/30/96	Α	3,624	Cur- rently	7/30/06	Common	3,624	2.00	3,624	D	
Stock Option (Right to Buy)	2.00	9/30/96	A	2,362	Cur- rently	9/30/06	Common	2,362	2.00	2,362	D	
Stock Option (Right to Buy)	4.00	10/20/97	А	4,812	Cur- rently	10/20/07	Common	4,812	4.00	4,812	D	
Stock Option (Right to Buy)	7.813	9/30/98	A	9,974	Note 2	9/30/08	Common	9,974	7.813	9,974	D	
Stock Option (Right to Buy)	17.00	9/30/99	A	2,844	Note 3	9/30/09	Common	2,844 ======	17.00 ======	2,844	D ======	=======

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Explanation of Responses:
Note 1: Shares owned by the Lois S. Sallen Trust, of which the Reporting Person is a co-trustee and beneficiary.
Note 2: The option is exercisable in three equal installents, beginning on

September 30, 1999.

Note 3: The option is exercisable in three equal installments, beginning on September 30,2000.

/s/Melvin J. Sallen	February 29, 2000
***Signature of Reporting Person	Date

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 provided is insufficient, see Instruction 6 for procedures.