OMB APPROVAL

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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940

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

	Name and Address of Reporting Pers			=========					
	Mullin, Sherman N.								
	(Last) (First)	(M)							
	1611 Ben Lomond Drive								
		(Street)							
	Glendale, CA 91202								
	(City) (State)	(Zi							
===	:======================================	=========							
	Issuer Name and Ticker or Trading								
Mer	cury Computer Systems, Inc. MRC	CY.							
===	IRS or Social Security Number of F								
	2.0 C. Coolar Coolarty Hambo. C	10p0: c1g . 0. 0.	(1014						
	statement for Month/Year	=========	=========						
	January 2001								
===	If Amendment, Date of Original (Mc		=========						
	January 2001	,							
===	Relationship of Reporting Person t		=========	=========					
	(Check all applicable)								
	<pre>[X] Director [] Officer (give title below)</pre>] (] 10% Owner	r pecify below)					
	[] (3	, .	1 (.,	, ,					
	:======================================			=========					
7.	Individual or Joint/Group Filing ((Check Applicat	ole Line)						
	[X] Form filed by One Reporting [] Form filed by More than One		son						
				=========					
===	Table I Non-Derivative	Securities Acc							
		ficially Owned							
				4.			5.	6. Owner-	
			3.	Securities Acqui Disposed of (D)	,	A) or	Amount of Securities	ship Form:	7.
		2.	Code	(Instr. 3, 4 and			Beneficially Owned at End	Direct (D) or	Nature of Indirect
	le of Security	Transaction Date	(Instr. 8)	Amount	(A) or	Price	of Month (Instr. 3	(I)	Beneficial Ownership
(In 	nstr. 3)	(mm/dd/yy)	Code V		(D)		and 4) 	(Instr.4)	(Instr. 4)
	Observe Observ	1 (00 (5 :		40.000			4.700		
	mmon Stock	1/23/01	M 	10,000	A 	1.25			
	mon Stock	1/23/01	S 	9,900	D 	49.00	1,700 		
om	nmon Stock	1/23/01	S	100	D	49.031	1,700		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly ${\sf Constant}$

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

1. Title of Derivative	2. Conver- sion of Exer- cise Price of Deriv- ative	3. Trans- action Date (Month/	4. Trans- action Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of(D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4) Amount or Number		8. Price of Deriv- ative Secur- ity	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End of Month	10. Owner-ship of Deriv- ative Secur- ity: Direct (D) or In- direct (I)	11. Nature of In- direct Bene- ficial 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)	1.25	1/23/01	M		10,000	7/25/99	7/25/05	Common	10,000		14,000	D	

Explanation of Responses:

/s/ Sherman N. Mullin	3/10/01
**Signature of Reporting Person	Date

See 18 U.S.C. 1001 and 15 U.S.C. $78 ff(\ensuremath{a}\xspace)\,.$

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

^{**} Intentional misstatements or omissions of facts constitute Federal Criminal Violations.