OMB APPROVAL

OMB Number 3235-0287
Expires: December 31, 2001
Estimated average burden
hours per response 0.5

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 193	34,
Section 17(a) of the Public Utility Holding Company Act of 1935 or	٢
Section 30(f) of the Investment Company Act of 1940	

Commo	on Stock	2/16/2000	S	300	D	\$41.875	206 (1)	D	
Commo	on Stock	2/16/2000	M 	300	Α	\$8.625	206 (1)	D	
	e of Security tr. 3)	2. Transaction Date (mm/dd/yy)	Code (Instr. 8) Code V	Amount	(A) or (D)	Price	Owned at End of Month (Instr. 3 and 4)	(D) or Indirect (I) (Instr.4)	Indirect Beneficia Ownership (Instr. 4
		2	3. Transaction	4. Securities Acqu Disposed of (D) (Instr. 3, 4 ar) `	.) or	5. Amount of Securities Beneficially	6. Owner- ship Form: Direct	7. Nature of
====	Table I Non-De	rivative Securities Ac or Beneficially Owned ========	quired, Dispos	ed of,	=				
====				.=======	=				
[e than One Reporting P	erson						
7.	========================== Individual or Joint/Grou X] Form filed by One	p Filing (Check Applic		==========	=				
	Vice President, Corpor	ate Development							
] [] Director X] Officer (give tit	le below) [] 10% Owne] Other (s	r pecify below)					
	elationship of Reporting Check all applicable)	Person to Issuer							
====	===========	===========	========	:=========	=				
	f Amendment, Date of Ori		========	==========	=				
4. 31	tatement for Month/Year February 2000								
	tatament for Month/Year		========	==========	=				
3. IF	RS or Social Security Nu	mber of Reporting Pers	on (Voluntary)						
====	Mercury Computer Syste		=========	=======================================	=				
	============= ssuer Name and Ticker or		=======	=========	=				
((City) (Sta	te) (Z	ip)						
	Southborough, MA 0177								
		(Street)							
`	40 Constitution Drive	,	,						
		st) (M							
1. Na	ame and Address of Repor Flood, Douglas	ting Person							
	=======================================		========	==========	=				
[]	Check this box if no lo obligations may continu			r Form 5					
	Section 30(f)	of the Investment Com	pany Act of 19	40					

(1) Includes 206 shares acquired December 31, 1999 pursuant to Mercury's Stock Purchase Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly $\[$

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

1. Title of Derivative	2. Conversion of Exercise Price of Derivative	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)	Expirat: (Month/I Date		7. Title and of Underl Securitie (Instr. 3	ying s 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	(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)	\$8.625	2/16/00	М	300	(2)	10/27/08	Common	300		39,700	D	
Stock Option (right to buy)	\$23.438	11/2/99	A V	18,000	(3)	11/2/09	Common	18,000		18,000	D	

Explanation of Responses:

- (2) This option became/becomes exercisable as to 8,000 shares on each of October 27, 1999, October 27, 2000, October 27, 2001, October 27, 2002 and October 27, 2003.
- (3) This option became/becomes exercisable as to 4,500 shares on each of November 2, 2000, November 2, 2001, November 2, 2002 and November 2, 2003.

/s/Douglas Flood	January 18, 2001				
**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.

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