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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed purs	uant to	Section :	16(a)	of the	Securit:	ies Exch	ange A	Act of	1934,
Section	17(a) o	f the Pu	blic t	Jtility	Holding	Company	Act o	of 193	5 or
	Section	30(f) o	f the	Investr	nent Comp	pany Act	of 19	940	

Commo	on Stock		1/25/2001 1/25/2001	M 	8,000	A 	\$8.625	412 (1)	D	
	e of Security cr. 3)		Transaction Date (mm/dd/yy)	(Instr. 8) Code V	Amount	(A) or (D)	Price	of Month (Instr. 3 and 4)	Ìndirect (I)	
			2.	3. Transaction Code	4. Securities Acqu Disposed of (D) (Instr. 3, 4 an		(A) or	5. Amount of Securities Beneficially Owned at End	6. Owner- ship Form: Direct (D) or	7. Nature of Indirect
====	Table I N		icially Owned		ed of, =======	:				
=====		.=========	==========		=========	:				
[_	y More than One	_	erson						
7. I	========== Individual or Joint <		(Check Applica		=========	:				
	Vice President, C									
[[] Director X] Officer (giv	e title below)	[[] 10% Owne] Other (s	r pecify below)					
	elationship of Repo Check all applicabl		o Issuer							
=====		=========	========		=========	:				
	 Amendment, Date of				=========	:				
4. St	catement for Month/ January 2001	Year								
					=========	:				
	RS or Social Securi					:				
	Mercury Computer									
	ssuer Name and Tick				=========	:				
(C	City)									
	Southborough, MA	01772								
	40 Constitution D		Street)							
	Flood, Douglas ast)									
1. Na	ame and Address of	Reporting Perso	on							
	obligations may co				==========	:				

(1) Includes 80 shares of common stock acquired on June 30, 2000 pursuant to Mercury's Stock Purchase Plan and 126 shares of common stock acquired on December 29, 2000 pursuant to Mercury's Stock Purchase Plan.

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

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/ Date		7. Title and of Underl Securitie (Instr. 3	Lying es B 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)	\$30.063	10/10/00	A V	10,500	(2)	10/10/10	Common	10,500		10,500	D	
Stock Option (right to buy)	\$8.625 	1/25/01	M 	8,000	(3)	10/27/08	Common	8,000		24,000	D	

Explanation of Responses:

- (2) This option becomes exercisable as to 2,625 shares on each of October 10, 2001, October 10, 2002, October 10, 2003 and October 10, 2004.
- (3) This option became exercisable as to 8,000 shares on each of October 27, 1999, October 27, 2000 and becomes exercisable as to 8,000 shares on each of October 27, 2001, October 27, 2002 and October 27, 2003.

/s/Douglas Flood	February 6, 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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