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).

i. itle of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)  1/29/98	guired, Dispos  3. Transaction Code (Instr. 8) Code V  J(1)	4. Securities Acquiring Disposed of (Disposed of (Dispose	uired () ) nd 5) (A) or (D)	Price	and 4) 2,036,910 417,876	Direct (D) or Indirect (I) (Instr.4)	
Table I Non-Deriv or 	2. Transaction Date (mm/dd/yy)	quired, Dispos  3. Transaction Code (Instr. 8) Code V	4. Securities Acquirities Acqu	= uired () ) nd 5)  (A) or (D)		Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	Owner- ship Form: Direct (D) or Indirect (I) (Instr.4)	Nature of Indirect Beneficial
Table I Non-Deriv or  	2. Transaction Date (mm/dd/yy)	quired, Dispos  3. Transaction Code (Instr. 8) Code V	4. Securities Acquisiposed of (D (Instr. 3, 4 and Amount	uired () ) nd 5) (A) or		Amount of Securities Beneficially Owned at End of Month	Owner- ship Form: Direct (D) or Indirect	Nature of Indirect Beneficial
Table I Non-Deriv or	ative Securities Ac Beneficially Owned	quired, Dispos ===================================	4. Securities Acquiring Disposed of (Disposed of (Instr. 3, 4 au	= uired ( ) nd 5)		Amount of Securities Beneficially	Owner- ship Form: Direct	Nature of
Table I Non-Deriv or	ative Securities Ac Beneficially Owned	quired, Dispos	sed of,					
				_				
[ ] Director [ ] Officer (give title	below) [	X ] 10% Owne ] Other (s	er specify below)					
<ol> <li>Relationship of Reporting Pe (Check all applicable)</li> </ol>								
5. If Amendment, Date of Origin				_				
ebruary 1998 		========	:========	=				
. Statement for Month/Year	===========	=========	:========	=				
3. IRS or Social Security Numbe								
Mercury Computer Systems, Inc.				=				
2. Issuer Name and Ticker or Tr		========		=				
(City) (State)								
Cambridge, Massachusetts 02140								
	(Street)							
	( M							
(Last) (First) c/o MDT Advisers L25 CambridgePark Drive								
c/o MDT Advisers L25 CambridgePark Drive								

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 Security (Instr. 3)	2. Conversion of Exercise Price of Derivative Security	3. Trans- action Date (Month/ Day/ Year)	4. Trans- action Code (Instr. 8)  Code V		ative ities red (A) sposed	6. Date Exercisa Expirati (Month/D Date Exer- cisable	on Date Day/Year)	7. Title and of Under Securitie (Instr. :	lying es	8. Price of Deriv- ative Secur- ity (Instr. 5)	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End of Month (Instr. 4)	10. Owner- ship of Deriv- ative Secur- ity: Direct (D) or In- direct (I) (Instr. 4)	11. Nature of In- direct Bene- ficial Owner- ship (Instr. 4)
None													
============	========			======	======								=======
Explanation of Responses:													

Memorial Drive Trust

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By:

\*\*Signature of Reporting Person Date

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.

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations.