FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person CHAMILLARD GEORGE W (Last) (First) (Middle) 201 RIVERNECK ROAD (Street) CHELMSFORD MA 01824					M] [M 3. D 10/	MERCURY COMPUTER SYSTEMS INC [MRCY] 3. Date of Earliest Transaction (Month/Day/Year) 10/21/2011 4. If Amendment, Date of Original Filed (Month/Day/Year)								6.	X I Individue)	Form filed by One F		o Filin	10% Owner Other (specify below) Filling (Check Applicable Reporting Person		
(City)	(St	ate) (2	Zip)		-											Perso	filed by Moi on	re ma	п опе кер	orung	
	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
1. Title of Security (Instr. 3)			Date (Month/Day/Year)		ur) E	2A. Deemed Execution Date, if any (Month/Day/Year		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 5)			4 and Sec Ben Owr		Amount of curities neficially ned Following ported		wnership n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
								Code	v	Amount	(/	A) or D)	Price	Trans		action(s) 3 and 4)			(11341.4)		
Common	Stock			10/21	L/2011				A		7,210(1)	A	\$ <mark>0</mark> .	00	27	7,876		D		
	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 or Exercise Price of Derivative Security 3. Transaction Date (Month/Day/Year)		Execution if any	any C		4. Transaction 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 Securities Underlying Derivative Security (Instr. and 4)		str. 3	8. Price Derivat Securit (Instr. 5	ivative urity tr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transactions (Instr. 4)	Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Ownership Form:	Beneficial Ownership (Instr. 4)		
						v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amo or Num of Sha	nber							

Explanation of Responses:

1. These shares of restricted stock vest in two equal installments on each of October 21, 2011 and 2012.

Charles A. Speicher, Attorney-10/24/2011 in-fact

** Signature of Reporting Person

Date

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

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** 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 is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.