HULT ROBERT Form 4 August 16, 2005

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or ington, D.C. 20349

Number:

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January 31,

2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction See Instruction 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(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * HULT ROBERT			2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			MERCURY COMPUTER SYSTEMS INC [MRCY]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	Director 10% OwnerX_ Officer (give title Other (specification) below)			
18 POOR FA	ARM ROAD		08/12/2005	Chief Financial Officer			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			
HARVARD,	, MA 01451			_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities A	cquired, Disposed of, or Beneficially Own			

(City)	(State)	Table 1 - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securi		•	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect		
(Instr. 3)	•	any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial		
		(Month/Day/Year)	(Instr. 8)	str. 8)			Owned	Indirect (I)	Ownership		
							Following	(Instr. 4)	(Instr. 4)		
					(4)		Reported				
					(A)		Transaction(s)				
			Code V	Amount	(D)	Price	(Instr. 3 and 4)				
Common Stock	08/12/2005		A	7,500 (1)	A	\$ 26.75	7,500	D			
Common Stock	08/12/2005		A	2,497 (2)	A	\$ 26.75	9,997	D			

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

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SEC 1474

(9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration Date		Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date	Title Nun of	Number		
				C + V	(A) (D)						
				Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Officer Other Director 10% Owner

HULT ROBERT 18 POOR FARM ROAD HARVARD, MA 01451

Chief Financial Officer

Signatures

Robert E. Hult 08/16/2005 **Signature of Date Reporting Person

Explanation of Responses:

- 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).
- (1) These shares of restricted stock vest in full on August 12, 2009.
- (2) These shares of restricted stock vest in four equal annual installments commencing on August 12, 2006.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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