

Basile Diane J
Form 3
June 29, 2005

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *

Â Basile Diane J

(Last)

(First)

(Middle)

2. Date of Event Requiring Statement

(Month/Day/Year)

06/20/2005

3. Issuer Name and Ticker or Trading Symbol

MERCURY COMPUTER SYSTEMS INC [MRCY]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original Filed(Month/Day/Year)

(Check all applicable)

___ Director ___ 10% Owner

X Officer ___ Other
(give title below) (specify below)

VP, Treasurer

6. Individual or Joint/Group

Filing(Check Applicable Line)
X Form filed by One Reporting Person

___ Form filed by More than One Reporting Person

MERCURY COMPUTER
SYSTEMS, INC.,Â 199
RIVERNECK ROAD

(Street)

CHELMSFORD,Â MAÂ 01824

(City)

(State)

(Zip)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security
(Instr. 4)

2. Amount of Securities Beneficially Owned
(Instr. 4)

3. Ownership Form:
Direct (D)
or Indirect (I)
(Instr. 5)

4. Nature of Indirect Beneficial Ownership
(Instr. 5)

Common Stock

1,604 ⁽¹⁾

D Â

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

SEC 1473 (7-02)

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

1. Title of Derivative Security
(Instr. 4)

2. Date Exercisable and Expiration Date
(Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security
(Instr. 4)

4. Conversion or Exercise Price of Derivative

5. Ownership Form of Derivative Security:

6. Nature of Indirect Beneficial Ownership
(Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Employee Stock Option (right to buy)	Â <u>(2)</u>	06/18/2013	Common Stock	11,250	\$ 18.24	D	Â
Employee Stock Option (right to buy)	Â <u>(3)</u>	07/28/2014	Common Stock	10,000	\$ 23.46	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Basile Diane J MERCURY COMPUTER SYSTEMS, INC. 199 RIVERNECK ROAD CHELMSFORD,Â MAÂ 01824	Â	Â	Â VP, Treasurer	Â

Signatures

Diane J. Basile 06/29/2005

__Signature of Date
Reporting Person

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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) Includes 1,604 shares purchased through the company's Employee Stock Purchase Plan.
- (2) This option vests in four equal installments beginning June 18, 2004.
- (3) This option vests in four equal installments beginning July 28, 2005.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.
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