MERCURY COMPUTER SYSTEMS INC
Form 3
September 14, 2005

# FORM 3

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

OMB APPROVAL

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|---|---|
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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 BARROWS CRAIG
(Last) (First) (Middle)

199 RIVERNECK ROAD
(Street)

CHELMSFORD,Â MAÂ 01824
(City) (State) (Zip)

2. Date of Event Requiring Statement (Month/Day/Year)
09/14/2005

3. Issuer Name **and** Ticker or Trading Symbol
MERCURY COMPUTER SYSTEMS INC [MRCY]

4. Relationship of Reporting Person(s) to Issuer
(Check all applicable)
_____ Director _____ 10% Owner
__X__ Officer _____ Other
(give title below) (specify below)
VP, General Counsel

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

6. Individual or Joint/Group Filing(Check Applicable Line)
_X_ Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

### 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) |
|---|---|---|---|
| No Securities Beneficially Owned | 0 | D | Â |

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

SEC 1473 (7-02)

**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 control number.**

### 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 Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|---|---|---|---|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of | | | |

| | | | | Shares | | (I) (Instr. 5) | |
|---|---|---|---|---|---|---|---|
| NQ Stock Option (Right to buy) | Â (1) | 08/29/2015 | Common | 30,000 | $ 25.8 | D | Â |

# Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---|---|---|---|
| | Director | 10% Owner | Officer | Other |
| BARROWS CRAIG<br>199 RIVERNECK ROAD<br>CHELMSFORD,Â MAÂ 01824 | Â | Â | Â VP, General Counsel | Â |

# Signatures

| | |
|---|---|
| Craig Barrows | 09/14/2005 |
| **Signature of Reporting Person | Date |

# 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)** This option vests in four equal installments beginning August 29, 2006.

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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