

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

<b>1. Name and Address of Reporting Person*</b> <u>SALINE CRAIG A</u> <hr/> (Last) (First) (Middle) <u>1797 BEACON STREET, #2</u> <hr/> (Street) <u>BROOKLINE MA 02445</u> <hr/> (City) (State) (Zip)	<b>2. Date of Event Requiring Statement (Month/Day/Year)</b> <u>01/01/2004</u>	<b>3. Issuer Name and Ticker or Trading Symbol</b> <u>MERCURY COMPUTER SYSTEMS INC [ MRCY ]</u>	
		<b>4. Relationship of Reporting Person(s) to Issuer (Check all applicable)</b> Director <span style="float:right">10% Owner</span> <input checked="" type="checkbox"/> Officer (give title below) <span style="float:right">Other (specify below)</span> <p align="center"><u>VP, Organizational Development</u></p>	<b>5. If Amendment, Date of Original Filed (Month/Day/Year)</b>  <b>6. Individual or Joint/Group Filing (Check Applicable Line)</b> <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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)
<u>No Securities Beneficially Owned</u>	<u>0</u>	<u>D</u>	

**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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				

Explanation of Responses:

Joseph M. Hartnett, Attorney-in-fact

01/06/2004

\*\* 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 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).

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.**

LIMITED POWER OF ATTORNEY  
FOR  
MERCURY COMPUTER SYSTEMS, INC.  
SECTION 16(a) FILINGS

Know all by these presents, that the undersigned hereby constitutes and appoints Joseph M. Hartnett, Vice-president, Corporate Controller and Interim Chief Financial Officer of Mercury Computer Systems, Inc. to

- (1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer, director and/or stockholder of Mercury Computer Systems, Inc. (the Company),
- (2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 4 or 5 and transactions in securities of the Company,
- (3) take any other action of any type whatsoever which, in the opinion of such attorney-in-fact, may be necessary or desirable in connection with the foregoing and to

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, and proper to carry out the above and to

The undersigned agrees that each such attorney-in-fact shall not be liable for any error of judgment or for any act done or omitted to be done or for any mistake of law or fact.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's securities of the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact. This Power of Attorney shall be deemed to have been executed on the date hereof.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 31 day of December, 2003.

/s/ Craig A. Saline

LIBC/1640386.1