1. Name and Address of Reporting Person

Wyman, G. Mead

(First) (Middle)

Eight Willard Street

(City) (State) (Zip)

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

1/29/98

3. IRS or Social Security Number of Reporting Person (Voluntary)

4. Issuer Name and Ticker or Trading Symbol

Mercury Computer Systems, Inc. MRCY

5. Relationship of Reporting Person to Issuer

[ ] Director [ ] 10% Owner

[ X ] Officer (give title below) [ ] Other (specify below)

Chief Financial Officer

6. If Amendment, Date of Original (Month/Year)

Table I -- Non-Derivative Securities Beneficially Owned

1. Title of Security

2. Amount of Securities Beneficially Owned

3. Ownership Form:

2. Direct (D) or Indirect (I) Beneficial Ownership

4. Nature of Indirect Beneficial Ownership

(Instr. 4) (Instr. 4) (Instr. 5) (Instr. 5)
Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

(Print or Type Responses)

FORM 3 (continued)

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

<table>
<thead>
<tr>
<th>1. Title of Security (Instr. 4)</th>
<th>Exercisable Date</th>
<th>Title</th>
<th>Shares</th>
<th>Price of Derivative Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock Option (right to buy)</td>
<td>1/27/07</td>
<td>Common</td>
<td>80,000</td>
<td>4.00 D</td>
</tr>
</tbody>
</table>

Explanation of Responses:
*Of options to purchase 40,000 shares 20% are exercisable. The remainder of those options become exercisable in equal increments on December 2 in each of 1998, 1999, 2000 and 2001. Options to purchase the remaining 40,000 shares vest on performance criteria.

/s/G. Mead Wyman 1/29/98

**Signature of Reporting Person Date

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations.


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