

ARRHYTHMIA RESEARCH TECHNOLOGY INC /DE/  
 Form 4  
 August 31, 2011

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
**GARRISON DAVID A**

2. Issuer Name and Ticker or Trading Symbol  
**ARRHYTHMIA RESEARCH TECHNOLOGY INC /DE/ [HRT]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)  
**08/29/2011**

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
**Executive VP & CFO**

**C/O ARRHYTHMIA RESEARCH TECHNOLOGY INC., 25 SAWYER PASSWAY**

(Street)

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

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

**FITCHBURG, MA 01420**

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |   |                  |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|---|------------------|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |   |                  |
|                                 |                                      |  |                                | Code  | V   | Amount   |                                   |   |                  |
| Common Stock                    | 08/29/2011                           | 08/29/2011   | P                              | 700   | A   | \$ 3.75  | 16,900                            | I | See Footnote (1) |
| Common Stock                    | 08/30/2011                           | 08/30/2011   | P                              | 200   | A   | \$ 3.74  | 17,100                            | I | See Footnote 1   |
| Common Stock                    | 08/30/2011                           | 08/30/2011   | P                              | 500   | A   | \$ 3.62  | 17,600                            | I | See Footnote 1   |

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

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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 Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|  |  |                                      |  | Code                           | V (A) (D)   | Date Exercisable   | Expiration Date   | Title                                      | Amount or Number of Shares                                       |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                       |       |
|---|---------------|-----------|-----------------------|-------|
|   | Director      | 10% Owner | Officer               | Other |
| GARRISON DAVID A<br>C/O ARRHYTHMIA RESEARCH TECHNOLOGY INC.<br>25 SAWYER PASSWAY<br>FITCHBURG, MA 01420 |               |           | Executive<br>VP & CFO |       |

## Signatures

David A. Garrison 08/31/2011

\_\_Signature of Reporting Person Date

## 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) Shares are in the IRA of David Garrison or his wife for which he has power of Attorney.

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.