

ARRHYTHMIA RESEARCH TECHNOLOGY INC /DE/
 Form 4/A
 February 14, 2012

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 *
 ROUSE JAMES E

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)
 05/19/2011

Director 10% Owner
 Officer (give title below) Other (specify below)
 President and CEO

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

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)
 06/08/2011

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)	Code	V	Amount	(D)	Price

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)

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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. Amount or Number of Shares
Stock Option	\$ 9.86	05/19/2011	05/19/2011	A	10,000	<u>(1)</u> 05/19/2021	Common Stock	10,000
Stock Option	\$ 5.73	06/06/2011	06/06/2011	A	10,000	<u>(2)</u> 06/06/2021	Common Stock	10,000

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ROUSE JAMES E C/O ARRHYTHMIA RESEARCH TECHNOLOGY INC. 25 SAWYER PASSWAY FITCHBURG, MA 01420	X		President and CEO	

Signatures

David A. Garrison, attorney-in-fact for James E. Rouse
02/14/2012

__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) The option holder may exercise purchase rights for 2,000 shares on or after 05/19/2012, and 2,000 each on or after anniversary date each year until 10,000 are exercised.
- (2) The option holder may exercise purchase rights for 2,000 shares on or after 06/06/2012, and 2,000 each on or after anniversary date each year until 10,000 are exercised.

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.