

Anderson Bradley Clark
 Form 4
 December 10, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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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 *
 Anderson Bradley Clark

2. Issuer Name and Ticker or Trading Symbol
 AMTECH SYSTEMS INC [asys]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)

___ Director ___ 10% Owner
 ___X___ Officer (give title below) ___ Other (specify below)

131 SOUTH CLARK DRIVE

12/09/2010

Chief Financial Officer

(Street)

4. 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

TEMPE, AZ 85281

(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) |
|---|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | Code | V | Amount (A) or (D) Price | | |
| Amtech Systems, Inc. \$.01 par value common stock | 12/09/2010 | | M | | 5,000 A \$ 3.8 | 30,500 | D |
| Amtech Systems, Inc. \$.01 par value common stock | 12/09/2010 | | S | | 5,000 D \$ 24.371 | 25,500 | D |

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| | | | | | | | |
|---|------------|---|-------|---|----------|--------|---|
| Amtech Systems, Inc. \$.01 par value common stock | 12/10/2010 | M | 2,500 | A | \$ 3.8 | 28,000 | D |
| Amtech Systems, Inc. \$.01 par value common stock | 12/10/2010 | S | 2,500 | D | \$ 25.21 | 25,500 | D |
| Amtech Systems, Inc. \$.01 par value common stock | 12/10/2010 | M | 2,500 | A | \$ 6.15 | 28,000 | D |
| Amtech Systems, Inc. \$.01 par value common stock | 12/10/2010 | S | 2,500 | D | \$ 25.21 | 25,500 | D |

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

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.

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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) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| | | | | Code V | (A) (D) | Date Exercisable Expiration Date | Title Amount or Number of Shares |
| Amtech Systems, | \$ 3.8 | 12/09/2010 | | M | 5,000 | 12/09/2010 12/09/2018 | Amtech Systems, 5,000 |

