

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)  
 131 SOUTH CLARK DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 12/09/2010

\_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 Chief Financial Officer

TEMPE, AZ 85281  
 (City) (State) (Zip)

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

**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

