Anderson Bradley Clark Form 4 December 10, 2010

OMB APPROVAL UNITED STATES SECURITIES AND EXCHANGE COMMISSION **OMB** 3235-0287 Washington, D.C. 20549 Number: Check this box January 31, Expires: if no longer 2005 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to Estimated average **SECURITIES** Section 16. burden hours per Form 4 or response... 0.5 Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction 1(b). (Print or Type Responses) 1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Anderson Bradley Clark Issuer Symbol AMTECH SYSTEMS INC [asys] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title Other (specify 131 SOUTH CLARK DRIVE 12/09/2010 below) Chief Financial Officer (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting **TEMPE, AZ 85281** (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned of a1 ip

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)			d of (D)	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D) or	Ownership
			Code V	Amount	(A) or (D)	Price	Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	(Instr. 4)
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.

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SEC 1474 (9-02)

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. Transactic Code (Instr. 8)	5. Number out Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Derivative Expiration Date curities (Month/Day/Year) equired () or sposed of () str. 3, 4,		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

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Inc. Employee Stock Option							Inc. \$.01 par value common stock	
Amtech Systems, Inc. Employee Stock Option	\$ 3.8	12/10/2010	M	2,500	12/09/2010	12/09/2018	Amtech Systems, Inc. \$.01 par value common stock	2,500
Amtech Systems, Inc. \$.01 par value common stock	\$ 6.15	12/10/2010	M	2,500	11/20/2010	11/20/2019	Amtech Systems, Inc. \$.01 par value common stock	2,500

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Anderson Bradley Clark

131 SOUTH CLARK DRIVE Chief Financial Officer

TEMPE, AZ 85281

Signatures

Robert T. Hass on behalf of Brad Anderson by Power of Attorney 12/10/2010

**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) Price omitted because the transaction is a grant of a stock option.
- (2) This is the number of derivative securities, with the same terms and conditions, following the reported transaction.
- (3) This is the number of derivative securities, with the same terms and conditions, following the reported transaction. Total of all derivative securities, with different terms and conditions, held following the reported transaction is 72,500.

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.

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