

AMERICAN TECHNOLOGY CORP /DE/

Form 3

August 17, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

OMB
Number: 3235-0104Expires: January 31,
2005Estimated average
burden hours per
response... 0.5**INITIAL STATEMENT OF 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 *Â MARXE AUSTIN W &
GREENHOUSE DAVID M

(Last) (First) (Middle)

C/O SPECIAL SITUATIONS
FUNDS,Â 527 MADISON
AVENUE, SUITE 2600

(Street)

NEW YORK,Â NYÂ 10022

(City) (State) (Zip)

2. Date of Event Requiring
Statement(Month/Day/Year)
08/07/20063. Issuer Name **and** Ticker or Trading Symbol

AMERICAN TECHNOLOGY CORP /DE/ [ATCO]

4. Relationship of Reporting
Person(s) to Issuer5. If Amendment, Date Original
Filed(Month/Day/Year)

(Check all applicable)

____ Director ____X____ 10% Owner
____ Officer ____ Other
(give title below) (specify below)6. Individual or Joint/Group
Filing(Check Applicable Line)
X Form filed by One Reporting
Person
____ Form filed by More than One
Reporting Person**Table I - Non-Derivative Securities Beneficially Owned**1. Title of Security
(Instr. 4)2. Amount of Securities
Beneficially Owned
(Instr. 4)3. Ownership
Form:
Direct (D)
or Indirect
(I)
(Instr. 5)4. Nature of Indirect Beneficial
Ownership
(Instr. 5)

Common Stock

3,449,081 ⁽¹⁾I ⁽¹⁾By Limited Partnerships ⁽¹⁾Reminder: Report on a separate line for each class of securities beneficially
owned directly or indirectly.

SEC 1473 (7-02)

**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.****Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**1. Title of Derivative
Security
(Instr. 4)2. Date Exercisable and
Expiration Date
(Month/Day/Year)3. Title and Amount of
Securities Underlying
Derivative Security4. Conversion
or Exercise5. Ownership
Form of6. Nature of Indirect
Beneficial Ownership
(Instr. 5)

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	Date Exercisable	Expiration Date	(Instr. 4) Title	Amount or Number of Shares	Price of Derivative Security	Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	
Warrants A	08/07/2006	04/07/2010	Common Stock	788,090 (1)	\$ 2.67	I (1)	By Limited Partnerships (1)
Warrants B	07/19/2005	07/19/2009	Common Stock	344,155 (1)	\$ 6.36	I (1)	By Limited Partnerships (1)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NY 10022	Â	Â X	Â	Â

Signatures

Austin W.
Marxe
08/17/2006
Date

David M.
Greenhouse
08/17/2006
Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 5(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).

This is a joint filing by Austin W. Marxe (Marxe) & David M. Greenhouse (Greenhouse). They share voting and investment control over all securities owned by Special Situations Fund III QP, L.P. (QP), Special Situations Private Equity Fund, L.P. (PE), Special Situations Technology Fund, LP (Tech) & Special Situations Technology II, Fund, L.P. (Tech II), respectively. 1,574,806 shares of CS, 372,466 (1) Wts A & 164,853 Wts B are held by QP, 550,640 shares of CS, 102,564 Wts A & 75,307 Wts B are held by PE, 183,435 shares of CS, 43,385 Wts A & 14,344 Wts B are held by Tech & 1,140,200 shares of CS, 269,675 Wts A & 89,651 Wts B are held by Tech II. The interest of Marxe and Greenhouse in the shares of Common Stock owned by QP, PE, Tech, and Tech II is limited to the extent of his pecuniary interest.

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.