

SMITH INTERNATIONAL INC  
 Form 5  
 March 24, 2005

**FORM 5**

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

OMB APPROVAL

OMB Number: 3235-0362  
 Expires: January 31, 2005  
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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).  
 Form 3 Holdings Reported Form 4 Transactions Reported

**ANNUAL 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

1. Name and Address of Reporting Person \*  
 BUCK G CLYDE

(Last) (First) (Middle)

C/O SMITH INTERNATIONAL INC, PO BOX 60068

(Street)

HOUSTON, TX 77205

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 SMITH INTERNATIONAL INC [SII]

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)  
 12/31/2004

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Reporting

(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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
				(A) or (D) Price			
Common Stock	^	^	^	^ ^ ^	17,992	D	^
Common Stock	^	^	^	^ ^ ^	11,600	I	By limited partnership
Common Stock	^	^	^	^ ^ ^	400	I	By limited partnership (son)

Common Stock     ^                             ^                             ^                             ^                             ^                             ^                             400                             I                             By limited partnership (daughter)

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.**     SEC 2270 (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. 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)	Amount or Number of Shares
					(A)    (D)	Date Exercisable    Expiration Date	Title	
Restricted Stock Units	^	01/28/1999	^	A4 <u>(2)</u>	12,000 <u>(3)</u> ^	^ <u>(4)</u> ^ <u>(4)</u>	Common Stock	12,000 <u>(3)</u>

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BUCK G CLYDE C/O SMITH INTERNATIONAL INC PO BOX 60068 HOUSTON, TX 77205	^ X	^	^	^

**Signatures**

/s/ G. Clyde Buck                             03/23/2005  
 \_\_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) Each restricted stock unit represents a contingent right to receive one share of SII common stock at \$1.00 per share.
- (2) The reporting person was granted the restricted stock award in connection with the termination of the Directors' Retirement Plan of the registrant.

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- (3) This number has been adjusted to reflect a 2-for-1 stock split of the registrant's common stock on June 20, 2002.
- (4) The units will vest on the date the reporting person last serves as a director provided that he has served for 10 years in such capacity, or upon his earlier death or change of control of the registrant while he is a director.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.