

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  
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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

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

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

C/O SMITH INTERNATIONAL INC, PO BOX 60068

(Street)

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

6. Individual or Joint/Group Reporting

(check applicable line)

HOUSTON, TX 77205

Form Filed by One Reporting Person  
 Form Filed by More than One Reporting Person

(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 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 Beneficial 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)                          |



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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.