FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b). STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

5. Relationship of Reporting Person(s) to Issuer

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

2. Issuer Name **and** Ticker or Trading Symbol

| Name and Address of Reporting Person*     JONES PAUL W                |         |              |                                    |           | suer Name <b>and</b> Tick<br><u>ITH A O CO</u>              |                       |       |                        |  |        | ionship of Reporting Person(s) to Issuer all applicable)  Director 10% Owner  Officer (give title Other (specify |   |   |   |
|---|---------|--------------|------------------------------------|-----------|---|-----------------------|-------|------------------------|--|--------|--|---|---|---|
| (Last) (First) (Middle) A. O. SMITH CORPORATION 11270 WEST PARK PLACE |         |              |                                    |           | te of Earliest Trans<br>2/2009                              | action (I             | Month | /Day/Year)             |  | X      | (specify<br>)  |   |   |   |
| (Street) MILWAUKEE  |         | 4. If A      | Amendment, Date o                  | f Origina | al File   | d (Month/Day/         |       | 6. Indiv<br>Line)<br>X | ividual or Joint/Group Filing (Check Applicable  Form filed by One Reporting Person  Form filed by More than One Reporting |        |  |   |   |   |
| (City)  | (State) | (Zip)        |                                    |           |   |                       |       |                        |  |        |  | Person  | е шап опе кер   | orung   |
|   | 7       | Table I - No | on-Deriva                          | tive      | Securities Acc  | quirec                | l, Di | sposed of,             | or Be  | nefici | ially  | Owned   |   |   |
| 1. Title of Security (Instr. 3)                                       |         |              | 2. Transacti<br>Date<br>(Month/Day |           | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | r) Code (Instr.<br>8) |       |                        |  |        |  | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|   |         |              |                                    |           |   | Code                  | V     | Amount                 | (A) or<br>(D)  | Price  |  | Transaction(s)<br>(Instr. 3 and 4)  |   |   |
| Common Stock  |         |              | 10/22/20                           | 009       |   | M                     |       | 27,000                 | A  | \$29   | 9.2  | 91,544  | D   |   |
| Common Stock  |         |              | 10/22/20                           | 009       |   | S                     |       | 5,100                  | D  | \$4    | 43   | 86,444  | D   |   |
| Common Stock  |         |              | 10/22/20                           | 009       |   | S                     |       | 100                    | D  | \$43.0 | 0071   | 86,344  | D   |   |
| Common Stock  |         |              | 10/22/20                           | 009       |   | S                     |       | 1,200                  | D  | \$43   | 3.01   | 85,144  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 800                    | D  | \$43   |  | 84,344  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 800                    | D  | \$43   |  | 83,544  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 500                    | D  | \$43   |  | 83,044  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 1,000                  | D  | \$43   |  | 82,044  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 200                    | D  | \$43   |  | 81,844  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 500                    | D  | \$43   |  | 81,344  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 400                    | D  | \$43   |  | 80,944  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 700                    | D  | \$43   |  | 80,244  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 700                    | D  | \$43   |  | 79,544  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 700                    | D  | \$43   |  | 78,844  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 100                    | D  | \$43   |  | 78,744  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 300                    | D  | \$43   |  | 78,444  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 1,200                  | D  | \$43   |  | 77,244  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 2,000                  | D  | \$43   |  | 75,244  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 1,200                  | D  | \$43   |  | 74,044  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 400                    | D  | \$43   |  | 73,644  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 800                    | D  | \$43   |  | 72,844  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 200                    | D  | \$43   |  | 72,644  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 400                    | D  | \$43   |  | 72,244  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 100                    | D  | \$43   |  | 72,144  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 300                    | D  | \$43   |  | 71,844  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 100                    | D  | \$43   |  | 71,744  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 600                    | D  | \$43   |  | 71,144  | D   |   |
| Common Stock  |         |              | 10/22/20                           |           |   | S                     |       | 500                    | D  | \$43   |  | 70,644  | D   |   |
| Common Stock  |         |              | 10/22/20                           | JU9       |   | S                     |       | 200                    | D  | \$43   | 5.26   | 70,444  | D   |   |

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |  |   |   |   |  |               |         |  |   |   |  |  |  |
|--|--|---|---|---|--|---------------|---------|--|---|---|--|--|--|
| 1. Title of Security (Instr. 3)  | 2. Transaction<br>Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | 3.<br>Transaction<br>Code (Instr.<br>8) |   | 4. Securities Acquired (A) or<br>Disposed Of (D) (Instr. 3, 4 and 5) |               |         | Securities<br>Beneficially<br>Owned Following  | 6. Ownership<br>Form: Direct<br>(D) or Indirect<br>(I) (Instr. 4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership |  |  |  |
|  |  |   | Code                                    | v | Amount   | (A) or<br>(D) | Price   | Reported<br>Transaction(s)<br>(Instr. 3 and 4) |   | (Instr. 4)  |  |  |  |
| Common Stock   | 10/22/2009                                 |   | S                                       |   | 100  | D             | \$43.27 | 70,344   | D   |   |  |  |  |

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

|  | ,                               |   |  |   |   |  |        |  |                    |   |  |   |  |  |  |
|--|---|---|--|---|---|--|--------|--|--------------------|---|--|---|--|--|--|
| 1. Title of<br>Derivative<br>Security<br>(Instr. 3)              | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date (Month/Day/Year)  3. Deemed Execution Date, if any (Month/Day/Year) |  | 4.<br>Transaction<br>Code (Instr.<br>8) |   | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D) (Instr.<br>3, 4 and 5) |        | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 4) | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|  |   |   |  | Code                                    | v | (A)  | (D)    | Date<br>Exercisable  | Expiration<br>Date | Title   | Amount<br>or<br>Number<br>of<br>Shares |   |  |  |  |
| Employee<br>Stock<br>Options<br>(Right to<br>Buy) <sup>(1)</sup> | \$29.2  | 10/22/2009  |  | M                                       |   |  | 27,000 | (1)  | 10/11/2015         | Common<br>Stock   | 27,000                                 | \$0   | 91,667   | D  |  |

### **Explanation of Responses:**

 $1.\ Granted\ on\ 10/11/2005\ under\ the\ A.\ O.\ Smith\ Combined\ Executive\ Incentive\ Compensation\ Plan,\ a\ transaction\ exempt\ under\ Rule\ 16b-3.$  The shares became exercisable in three annual installments of 1/3 of the award starting on 10/10/2006.

## Remarks:

James F. Stern, Attorney-in-Fact for Paul W. Jones

10/23/2009

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- \* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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