

FORM 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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.

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

1. Name and Address of Reporting Person* <u>SMITH MARK D</u> (Last) (First) (Middle) <u>3725 WEST GRACE AVENUE</u> (Street) <u>MEQUON WI 53092</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>SMITH A O CORP [AOS]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) <u>12/31/2009</u>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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)
				Amount	(A) or (D)	Price			
Common Stock							11,318	D	
Common Stock	04/22/2009		A4 ⁽¹⁾	5,558	A	(1)	5,558	I	In trust ⁽²⁾
Common Stock	12/23/2009		G	584	D	\$0	4,974	I	In trust ⁽²⁾
Common Stock	05/28/2009		G	78	A	\$0	78	I	Held by spouse

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
					(A)	(D)	Date Exercisable	Expiration Date						Title
Class A Common Stock	\$0 ⁽³⁾	04/22/2009		4A ⁽¹⁾	28,766		(4)	(5)	Common Stock	(3)	\$0	28,766	I	In trust ⁽²⁾

Explanation of Responses:

- Represents the conversion of shares of Smith Investment Company ("SICO") common stock held by a revocable trust of which the reporting person is the settlor into shares of Common Stock and Class A Common Stock of A. O. Smith Corporation ("the "Issuer") pursuant to a merger of SICO with a subsidiary of the Issuer (the "Merger"). No consideration was paid or received except for the conversion of each SICO share into shares of the Issuer's Common Stock and Class A Common Stock. The conversion in the Merger was approved in advance by the Issuer's board of directors on behalf of the reporting person. Also, certain shares of the Issuer's Common Stock issued in the Merger are being held in escrow pursuant to the related merger agreement.
- The reporting person beneficially owns the shares as settlor of a revocable family trust.
- 1 for 1
- Convertible at any time
- None

Remarks:

James F. Stern, Attorney-in-Fact for Mark D. Smith 02/05/2010
 ** 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.

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 Number.