

Petrarca Mark A
Form 3
January 05, 2005

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

OMB APPROVAL

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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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Petrarca Mark A		(Month/Day/Year)	SMITH A O CORP [AOS]	
(Last)	(First)	(Middle)	01/01/2005	
A. O. SMITH CORPORATION,Â 11270 WEST PARK PLACE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)	(Check all applicable)			
			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	
			<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	6. Individual or Joint/Group Filing(Check Applicable Line)
			(give title below) (specify below)	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			Vice President - H.R. & P.A.	<input type="checkbox"/> Form filed by More than One Reporting Person
MILWAUKEE,Â WIÂ 53224				
(City)	(State)	(Zip)		

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	502.57 ⁽¹⁾	D	Â
Common Stock	4,200 ⁽²⁾	D	Â

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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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 Security	4. Conversion or Exercise	5. Ownership Form of	6. Nature of Indirect Beneficial Ownership
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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)	(Instr. 5)
Employee Stock Options (Right to Buy) ⁽³⁾	10/11/2005	10/12/2014	Common Stock	5,500	\$ 24.64	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Petrarca Mark A A. O. SMITH CORPORATION 11270 WEST PARK PLACE MILWAUKEE, WI 53224	Â	Â	Â Vice President - H.R. & P.A.	Â

Signatures

W. David Romoser, Attorney-in-Fact for Mark A.
Petrarca

01/05/2005

__Signature of Reporting Person

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).
- (1) Restricted Stock awarded on various dates between February 2000 and February 2004, with vesting in five years of the award date.
- (2) Restricted Stock awarded on October 12, 2004.
- (3) Granted on October 12, 2004, under the A. O. Smith Combined Executive Incentive Compensation Plan, a transaction exempt under Rule 16b-3.

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.