

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

Schedule 13G

Under the Securities Exchange Act of 1934
(Amendment No. 27)*

A. O. SMITH CORPORATION
(Name of Issuer)

Class A Common Stock, \$5.00 par value
(Title of Class of Securities)

831-865-10-0
(CUSIP Number)

Check the following box if a fee is being paid with this statement /_/ . (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following page(s))

CUSIP No. 831-865-10-0

13G

1 NAME OF REPORTING PERSON S.S. or I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Smith Investment Company
Bruce M. Smith
Arthur O. Smith

IRS ID #39-6043416

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

Not Applicable

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Smith Investment Company
Bruce M. Smith
Arthur O. Smith

- Nevada
- United States
- United States

NUMBER OF 5 SOLE VOTING POWER

SHARES Smith Investment Company - 8,067,252

BENEFICIALLY 6 SHARED VOTING POWER

OWNED BY -0-

EACH 7 SOLE DISPOSITIVE POWER

REPORTING Smith Investment Company - 8,067,252

PERSON 8 SHARED DISPOSITIVE POWER

WITH -0-

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

Smith Investment Company
Bruce M. Smith
Arthur O. Smith

- 8,067,252
- 0
- 0

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*

Bruce M. Smith /x/
Arthur O. Smith /x/

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

Smith Investment Company	- 97.5%
Bruce M. Smith	- 0%
Arthur O. Smith	- 0%

12 TYPE OF REPORTING PERSON*

Smith Investment Company	- CO
Bruce M. Smith	- IN
Arthur O. Smith	- IN

* SEE INSTRUCTIONS BEFORE FILLING OUT!

Item 1(a) Name of Issuer:

A. O. Smith Corporation

Item 1(b) Address of Issuer's Principal Executive Officers:

11270 West Park Place
Milwaukee, Wisconsin 53224

Item 2(a) Name of Person Filing:

Smith Investment Company	IRS ID# 39-6043416
Bruce M. Smith	
Arthur O. Smith	

Item 2(b) Address of Principal Business Office or, if note, Residence:

Smith Investment Company
11270 West Park Place
Milwaukee, Wisconsin 53224

Bruce M. Smith
11270 West Park Place
Milwaukee, Wisconsin 53224

Arthur O. Smith
11270 West Park Place
Milwaukee, Wisconsin 53224

Item 2(c) Citizenship

Nevada — Smith Investment Company
United States – Bruce M. Smith and Arthur O. Smith

Item 2(d) Title of Class or Securities:

Class A Common Stock, \$5.00 par value

Item 2(e) CUSIP Number

831-865-10-0

Item 3 If this statement is filed pursuant to Rules 13d-1(b), or 13d-2(b), check whether the person filing is a:

Not applicable

Item 4. Ownership

As of December 31, 2006, Smith Investment Company owned 8,067,252 shares of A. O. Smith Corporation Class A Common Stock or approximately 97.5% of the outstanding stock. Smith Investment Company has sole power to vote and dispose of such shares.

Mr. Bruce M. Smith is Chairman and Chief Executive Officer of Smith Investment Company and is a director of A. O. Smith Corporation. Mr.

Arthur O. Smith is a director of Smith Investment Company. He retired as Chairman and Chief Executive Officer of Smith Investment Company in January 1999.

On December 31, 2006, Bruce M. Smith owned beneficially 76,059 shares of the outstanding common stock of Smith Investment Company ("SICO") and 102,009 shares were held in various trusts for the benefit of the wife and issue of Bruce M. Smith. On December 31, 2006, Arthur O. Smith owned beneficially 177,839 shares, and his wife owned of record and beneficially 6,970 shares of the outstanding common stock of SICO and 457,311 shares were held in various trusts for the benefit of the wife and issue of Arthur O. Smith. In addition, Messrs. Smith were trustees of various trusts for the benefit of persons other than themselves, their wives and issue, which trusts held an aggregate of 959,786 shares of the common stock of SICO outstanding as of December 31, 2006. Arthur O. Smith was sole trustee of trusts holding 34,686 shares of the common stock of SICO and held all investment and voting power with respect to such trusts. On the other trusts, Arthur O. Smith or Bruce M. Smith was co-trustee with at least one other person and held shared investment and voting power with respect to such trusts. The shares of common stock of SICO held beneficially by Messrs. Smith and their wives, together with shares held by Messrs. Smith in trust for the benefit of others, comprised 53.7% of the 3,317,066 outstanding shares of common stock of SICO on December 31, 2006. Messrs. Smith disclaim that any of the foregoing interests in the common stock of SICO constitute beneficial ownership of any Class A Common Stock of A. O. Smith Corporation.

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- Item 5 Ownership of Five Percent or Less of a Class:
 Not applicable
- Item 6 Ownership of More than Five Percent on Behalf of Another Person:
 Not applicable
- Item 7 Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company:
 Not applicable
- Item 8 Identification and Classification of Members of the Group:
 Not applicable
- Item 9 Notice of Dissolution of Group:
 Not applicable
- Item 10 Certification
 Not applicable
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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

SMITH INVESTMENT COMPANY

/s/ Bruce M. Smith
Bruce M. Smith, Chairman & CEO
February 15, 2007

/s/ Bruce M. Smith
Bruce M. Smith
February 15, 2007

/s/ Arthur O. Smith
Arthur O. Smith
February 15, 2007