

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

Under the Securities and Exchange Act of 1934

(Amendment No. 0 )

A.O. SMITH CORPORATION  
(Name of Issuer)

Common  
(Title of Class of Securities )

831865209  
(CUSIP NUMBER)

- |     |   |  |                              |  |
|-----|---|--|------------------------------|--|
| 1)  | Name of Reporting<br>SS or IRS Identification<br>Nos. of Above Persons                        | Pioneering Management<br>Corporation   |                              |  |
| 2)  | Check the Appropriate Box<br>of A Member of Group<br>(See Instructions)                       | (a)<br>(b) X   |                              |  |
| 3)  | SEC Use Only  |  |                              |  |
| 4)  | Citizenship of Place of<br>Organization   |  |                              |  |
|     | Number of<br>Shares<br>Beneficially Owned<br>by Each Reporting<br>Person With                 | (5) Sole Voting Power<br>(6) Shared Voting Power<br>(7) Sole Dispositive<br>Power<br>(8) Shared Dispositive<br>Power | 1153400<br>0<br>0<br>1153400 |  |
| 9)  | Aggregate Amount Bene-<br>ficially Owned by Each<br>Reporting Person                          | 1153400  |                              |  |
| 10) | Check if the aggregate<br>Amount in Row (9) Ex-<br>clude Certain Shares (See<br>Instructions) |  |                              |  |
| 11) | Percent of Class Represented<br>By Amount in Row 9.   | 7.66%  |                              |  |
| 12) | Type of Reporting<br>Person (See Instructions)  | IA   |                              |  |

Item 1(a) Name of Issuer.  
A.O. SMITH CORPORATION

Item 1(b) Address of User's Principal Executive Office's  
Mr. G. R. Bomberger  
Chief Financial Officer  
A.O. SMITH CORPORATION  
PO Box 23972  
Milwaukee, WI 53223-0972

Item 2(a) Name of Person Filing.  
Pioneering Management Corporation

Item 2(b) Address of Principal Business Office:  
60 State Street, Boston, MA 02109

Item 2(c) Citizenship:  
State Of Delaware - Pioneering Management Corporation.

Item 2(d) Title of Class of Securities.  
Common Stock

Item 2(e) CUSIP Number.  
831865209

Item 3 The person filing this statement pursuant to Rule 13-1(b) or 13d-2 is:  
(a) Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940.

Item 4. Ownership

(a)	Amount Beneficially Owned	1153400
(b)	Percent of Class	7.66%
(c)	Number of shares as to which such person has	
	(i) sole power to vote or to direct the vote	1153400
	(ii) shared power to vote or to direct vote	0
	(iii) sole power to dispose or to direct disposition of	0
	(iv) shared power to dispose or to direct disposition	1153400

Item 5. Ownership of Five Percent or Less of a Class.  
Inapplicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Inapplicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported On By the Parent Holding Company.

Inapplicable.

Item 8. Identification and Classification of Members of the Group.

Inapplicable.

Item 9. Notice of Dissolution of the Group.

Inapplicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transactions having such purposes or effect.

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

April 21, 1997  
Date

/s/Robert P. Nault  
Signature

Robert P. Nault, Assistant Secretary  
Type Name and Title