

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

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

OSI SYSTEMS, INC.

(Name of Issuer)

Common

(Title of Class of Securities)

671044-10-5

(CUSIP Number)

*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 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))

Page 1 of 4 Pages

(1) Names of Reporting Persons. S.S. or I.R.S. Identification Nos. of Above
Persons

Chamberlain, Sally F.

(2) Check the Appropriate Box if a Member (a) / /
of a Group* (b) / /

(3) SEC Use Only

(4) Citizenship or Place of Organization
California, U.S.A.

Number of Shares (5) Sole Voting Power
Beneficially 1,062,767

Owned by -----
Each Reporting (6) Shared Voting Power
Person With ----

(7) Sole Dispositive Power
1,062,767

(8) Shared Dispositive Power

(9) Aggregate Amount Beneficially Owned by Each Reporting Person
1,062,767

(10) Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

(11) Percent of Class Represented by Amount in Row (9)
11%

(12) Type of Reporting Person*
Trustee of the Edward P. Fleischer and Sally F. Fleischer Family Trust

*SEE INSTRUCTION BEFORE FILLING OUT!

ITEM 1(A). NAME OF ISSUER
OSI Systems, Inc.

ITEM 1(B). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES
12525 Chadron Avenue, Hawthorne, CA 90250

ITEM 2(A). NAME OF PERSON(S) FILING
Sally F. Chamberlain

ITEM 2(B). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE
2404 Via Siena, La Jolla, California 92037

ITEM 2(C). CITIZENSHIP
California, USA

ITEM 2(D). TITLE OF CLASS OF SECURITIES
Common

ITEM 2(E). CUSIP NUMBER
671044-10-5

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULES 13D-1(B), OR 13D-2(B),
CHECK WHETHER THE PERSON FILING IS A

- (a) / / Broker or Dealer registered under Section 15 of the Act
- (b) / / Bank as defined in section 3(a)(6) of the Act
- (c) / / Insurance Company as defined in section 3(a)(19) of the Act
- (d) / / Investment Company registered under section 8 of the Investment Company Act
- (e) / / Investment Adviser registered under section 203 of the Investment Advisers Act of 1940
- (f) / / Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Rule 13d-1(b)(1)(ii)(F)
- (g) / / Parent Holding Company, in accordance with Rule 13d-1(b)(ii)(G)
(Note: See Item 7)
- (h) / / Group, in accordance with Rule 13d-1(b)(1)(ii)(H)

ITEM 4. OWNERSHIP

(a) Amount Beneficially Owned:
1,062,767

(b) Percent of Class:
11%

(c) Number of shares as to which such person has:

(i) sole power to vote or to direct the vote
1,062,767

(ii) shared power to vote or to direct the vote

(iii) sole power to dispose or to direct the disposition of
1,062,767

(iv) shared power to dispose or to direct the disposition of

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following. / /

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

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 transaction having such purposes or effect.

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.

February 12, 1998

(Date)
/s/ MICHAEL A. VAN HORNE

(Signature)
Michael A. Van Horne, Attorney for Trustee

(Name/Title)

