

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
Under the Securities Exchange Act of 1934
(Amendment No. 3)

SUN HYDRAULICS CORPORATION

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

866942 10 5

(CUSIP Number)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

Rule 13d-1(b)

Rule 13d-1(c)

Rule 13d-1(d)

* 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).

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1) Names of Reporting Persons/ I.R.S. Identification Nos. of Above Persons
(Entities Only)

Robert S. Ferrell

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

Number of (5) Sole Voting Power

Shares

Beneficially (6) Shared Voting Power

Owned by 323,537

Each (7) Sole Dispositive Power

Reporting

Person

(8) Shared Dispositive Power

With

323,537

9) Aggregate Amount Beneficially Owned by Each Reporting Person

323,537

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares []
(See Instructions)

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

5.07%

12) Type of Reporting Person (See Instructions)

IN

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1) Names of Reporting Persons/ I.R.S. Identification Nos. of Above Persons
(Entities Only)

Ann R. Ferrell

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a) []

(b) []

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

Number of (5) Sole Voting Power

Shares

Beneficially (6) Shared Voting Power

Owned by 323,537

Each (7) Sole Dispositive Power

Reporting

Person

(8) Shared Dispositive Power

With

323,537

9) Aggregate Amount Beneficially Owned by Each Reporting Person

323,537

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares []
(See Instructions)

11) Percent of Class Represented by Amount in Row (9)
5.07%

12) Type of Reporting Person (See Instructions)
IN

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1) Names of Reporting Persons/ I.R.S. Identification Nos. of Above Persons
(Entities Only)

Bradley S. Ferrell

2) Check the Appropriate Box if a Member of a Group (See Instructions)

(a) []
(b) []

3) SEC Use Only

4) Citizenship or Place of Organization

U.S.

Number of (5) Sole Voting Power

Shares 38,205

Beneficially (6) Shared Voting Power

Owned by 422,437

Each (7) Sole Dispositive Power

Reporting 38,205

Person

(8) Shared Dispositive Power

With 422,437

9) Aggregate Amount Beneficially Owned by Each Reporting Person

460,642

10) Check if the Aggregate Amount in Row (9) Excludes Certain Shares []
(See Instructions)

11) Percent of Class Represented by Amount in Row (9)
7.21%

12) Type of Reporting Person (See Instructions)
IN

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Item 1(a). Name of Issuer:

SUN HYDRAULICS CORPORATION

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

1500 West University Parkway
Sarasota, FL 34243

Item 2(a). Name of Person Filing:

Robert S. Ferrell
Ann R. Ferrell
Bradley S. Ferrell

Item 2(b). Address of Principal Business Office or, if none, Residence:

5086 Castlerock Way
Naples, FL 34112

Item 2(c). Citizenship:

U.S.

Item 2(d). Title of Class of Securities:

Common Stock

Item 2(e). CUSIP Number:

866942 10 5

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the filing person 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) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with Rule 13d-1(b)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act;

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- (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
 - (j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box. [X]

Item 4. Ownership:

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (a) Amount Beneficially Owned:

See Response to Item 9 on cover pages.

(b) Percent of Class:
See Response to Item 11 on cover pages.

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

(i) sole power to vote or to direct the vote:
See Response to Item 5 on cover pages.

(ii) shared power to vote or to direct the vote:
See Response to Item 6 on cover pages.

(iii) sole power to dispose or to direct the disposition
of:
See Response to Item 7 on cover pages.

(iv) shared power to dispose or to direct the disposition
of:
See Response to Item 8 on cover pages.

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:

By signing below I certify that, to the best of my knowledge
and belief, the securities referred to above were not acquired
and are not held for the purpose of or with the effect of
changing or influencing the control of the issuer of the
securities and were not acquired and are not held in
connection with or as a participant in any transaction having
that purpose 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.

Dated: February 9, 2001

/s/ Robert S. Ferrell

Robert S. Ferrell

/s/ Ann R. Ferrell

Ann R. Ferrell

/s/ Bradley S. Ferrell

Bradley S. Ferrell

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EXHIBIT A

RULE 13d-1(k) AGREEMENT

The undersigned agree and consent to the joint filing on their behalf of this Schedule 13G in connection with their beneficial ownership of the common stock of Sun Hydraulics Corporation at December 31, 2000.

/s/ Robert S. Ferrell

Robert S. Ferrell

/s/ Ann R. Ferrell

Ann R. Ferrell

/s/ Bradley S. Ferrell

Bradley S. Ferrell