

FORM 5

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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(f) of the Investment Company Act of 1940

Check this box if no longer subject of Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Form 3 Holdings Reported

Form 4 Transactions Reported

1. Name and Address of Reporting Person*

Rosenthale, Marvin E

(Last) (First) (Middle)

6908 Queenferry Circle

(Street)

Boca Raton, FL 33496

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

Discovery Laboratories, Inc. ("Discovery")
DSCO

3. IRS Identification Number of Reporting Person, if an Entity (Voluntary)

4. Statement for Month/Year

December 2001

5. If Amendment, Date of Original (Month/Year)

6. Relationship of Reporting Person to Issuer
(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

7. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

* If the Form is filed by more than one Reporting Person, see Instruction 4(b)(v).

Table I -- Non-Derivative Securities Acquired, Disposed of,
or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)	3. Transaction Code (Instr. 8)	4. Security Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned at End of Issuer's Fiscal Year (Instr. 3 and 4)	6. Owner- ship Form: Direct (D) or Indirect (I) (Instr.4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Amount	(A) or (D) Price			
Common Stock	3/16/2001	P	1,000	\$3.00	3,000	I	Family Trust

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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly

