

FORM 4

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 to Section 16. Form 4 or Form 5  
obligations may continue. See Instruction 1(b).

1. Name and Address of Reporting Person\*

Myrianthopoulos, Evan  
-----  
(Last) (First) (Middle)

350 South Main Street, Suite 307

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(Street)

Doylestown, Pennsylvania 18901

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(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 2000

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)

Vice President, Finance

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) ----- Code V	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6. Owner- ship Form: (D) or Indirect (I) (Instr.4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Amount	(A) or (D)	Price			
Common Stock	12/25/00	G V	2,000	D	\$3.875	67,365 (1)	D	
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(1) Excludes 230,568 shares of Common Stock issuable upon exercise of employee stock options.

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

Table II -- Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conver- sion of Exer- cise Price of Deriv- ative Secur- ity	3. Trans- action Date (Month/ Day/ Year)	4. Trans- action Code (Instr. 8) ----- Code V	5. Number of Derivative Securities Acquired (A) or Disposed of(D) (Instr. 3, 4 and 5) ----- (A) (D)	6. Date Exercisable and Expiration Date (Month/Day/Year) ----- Date Expira- tion Exer- tion cisable Date	7. Title and Amount of Underlying Securities (Instr. 3 and 4) ----- Amount or Number of Shares Title	8. Price of Deriv- ative Secur- ity (Instr. 5)	9. Number of Deriv- ative Secur- ities Bene- ficially Owned at End Month (Instr. 4)	10. Owner- ship Form of Deriv- ative Secur- ity: Direct (D) or In- direct (I) (Instr. 5)	11. Nature of In- direct Bene- ficial Owner- ship (Instr. 5)	
Employee Stock Option	\$5.063	9/15/00	A V A		9/15/00(1) 09/14/10	Common Stock	50,000	\$5.063	230,568	D	

Explanation of Responses:

(1) This employee stock option is immediately exercisable and vests 25% on the date of grant. The remaining 75% of the options become vested in three equal annual installments beginning with the first year anniversary of the date of the grant.

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

/s/ Evan Myriantopoulos January 10, 2001  
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\*\* Signature of Reporting Person Date

Note: File three copies of this Form, one of which must be manually signed. If space provided is insufficient, see Instruction 6 for procedure.