

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
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|---|---------|----------|--|--|--|---|--|--|
| 1. Name and Address of Reporting Person* ECHENBERG PAUL S | | | 2. Issuer Name and Ticker or Trading Symbol ANGIODYNAMICS INC [ANGO] | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 08/15/2006 | | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person | | |
| 603 QUEENSBURY AVE. | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | |
| (Street) QUEENSBURY NY 12804 | | | | | | | | |
| (City) (State) (Zip) | | | | | | | | |

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|-------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | | | | | | | | 62,409 | D | |

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. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|---------------------------|---|--|--|---|--|-------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | | Title |
| Non-Qualified Stock Option (right to buy) | \$18.4 | 08/15/2006 | | A | | 6,000 | | 08/15/2007 ⁽¹⁾ | 08/15/2016 | Common Stock | 6,000 | \$0 | 6,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$2.62 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$2.7248 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$3.0785 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$3.406 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$3.8791 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 402 | | 402 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.3478 | | | | | | | 12/30/2004 | 03/04/2007 | Common Stock | 78,409 | | 78,409 | D | |

**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. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|---------------------------|---|----------------------------|--|--|---|--|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | | |
| Non-Qualified Stock Option (right to buy) | \$4.3478 | | | | | | | 12/30/2004 | 05/30/2008 | Common Stock | 2,091 | | 2,091 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.3478 | | | | | | | 12/30/2004 | 05/29/2009 | Common Stock | 2,091 | | 2,091 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.3478 | | | | | | | 06/03/2005 ⁽³⁾ | 06/03/2010 | Common Stock | 2,091 | | 2,091 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.3478 | | | | | | | 06/02/2005 ⁽⁴⁾ | 06/02/2011 | Common Stock | 2,091 | | 2,091 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.4016 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$4.716 | | | | | | | 10/30/2004 | 11/23/2005 ⁽²⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$6.5217 | | | | | | | 05/21/2005 ⁽⁵⁾ | 05/21/2012 | Common Stock | 2,091 | | 2,091 | D | |
| Non-Qualified Stock Option (right to buy) | \$6.5217 | | | | | | | 05/31/2005 ⁽⁶⁾ | 05/31/2013 | Common Stock | 6,273 | | 6,273 | D | |
| Non-Qualified Stock Option (right to buy) | \$9.7986 | | | | | | | 05/29/2005 | 05/29/2006 ⁽⁷⁾ | Common Stock | 391 | | 391 | D | |
| Non-Qualified Stock Option (right to buy) | \$13.18 | | | | | | | 07/20/2005 ⁽⁸⁾ | 07/20/2014 | Common Stock | 6,000 | | 6,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$24.21 | | | | | | | 07/29/2006 ⁽⁹⁾ | 07/29/2015 | Common Stock | 6,000 | | 6,000 | D | |

Explanation of Responses:

- Options for 33 1/3% of the shares will each become exercisable on 8/15/07, 8/15/08, and 8/15/09, respectively.
- Options for 50% of the shares each expire on November 23, 2005 and November 23, 2006, respectively.
- Options for 80% of the shares are exercisable on 12/30/04. Options for 20% of the shares are exercisable on 6/3/2005.
- Options for 60% of the shares are exercisable on 12/30/2004. Options for 20% of the shares are exercisable on 6/2/2005. Options for 20% of the shares will become exercisable on 6/2/2006.
- Options for 40% of the shares are exercisable on 12/30/04. Options for 20% of the shares are each exercisable on 5/21/05, 5/21/2006 and 5/21/2007, respectively.
- Options for 20% of the shares are exercisable on 12/30/04. Options for 20% of the shares are each exercisable on 5/31/2005, 5/31/2006, 5/31/2007, and 5/31/2008 respectively.
- Options for 390 shares each expire on May 29, 2006 and May 29, 2007, respectively.
- Options for 25% of the shares are each exercisable on 7/20/05, 7/20/06, 7/20/07, 7/20/08, respectively.
- Options for 33 1/3% of the shares are each exercisable on 7/29/06, 7/29/07, and 7/29/08, respectively.

By: Ronald F. Lamy For: Paul Echenberg 08/17/2006

** Signature of Reporting Person Date

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

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

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

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

POWER OF ATTORNEY

Know all by these presents, that the undersigned hereby constitutes and appoints each of Joseph G. Gerardi and Ronald F. Lamy, signing singly, the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of AngioDynamics, Inc., Forms 3, 4, and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4, or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 21st day of May 2004.

/s/ Paul S. Echenberg _