ANGIODYNAMICS INC

Reported by

ECHENBERG PAUL S

FORM 4

(Statement of Changes in Beneficial Ownership)

Filed 04/29/10 for the Period Ending 04/27/10

Address	603 QUEENSBURY AVE QUEENSBURY, NY 12804
Telephone	5187981215
CIK	0001275187
Symbol	ANGO
Fiscal Year	12/31

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FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL
OMB Number: 3235-0287
Expires: February 28, 2011
Estimated average burden hours per response... 0.5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

1. Name and Address of Reporting Person *	2. Issuer Name **and** Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
ECHENBERG PAUL S (Last) (First) (Middle)	**ANGIODYNAMICS INC [ANGO]**	__ **X** __ Director _____ 10% Owner _____ Officer (give title below) _____ Other (specify below)
603 QUEENSBURY AVE. (Street)	3. Date of Earliest Transaction (MM/DD/YYYY) **4/27/2010**	
QUEENSBURY, NY 12804 (City) (State) (Zip)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ Form filed by One Reporting Person ___ Form filed by More than One Reporting Person

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

1.Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	**4/27/2010**		**M**		**2091**	**A**	**$4.3478**	**150230**	**D**	

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: 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**	**4/27/2010**		**M**			**2091**	**6/3/2005** (1)	**6/3/2010**	**Common Stock**	**2091**	**$0**	**0**	**D**	
Non-Qualified Stock Option (right to buy)	**$4.3478**							**6/2/2005** (2)	**6/2/2011**	**Common Stock**	**2091**		**2091**	**D**	
Non-Qualified Stock Option (right to buy)	**$6.5217**							**5/21/2005** (3)	**5/21/2012**	**Common Stock**	**2091**		**2091**	**D**	
Non-Qualified Stock Option (right to buy)	**$6.5217**							**5/31/2005** (4)	**5/31/2013**	**Common Stock**	**6273**		**6273**	**D**	
Non-Qualified Stock Option (right to buy)	**$13.18**							**7/20/2005** (5)	**7/20/2014**	**Common Stock**	**6000**		**6000**	**D**	
Non-Qualified Stock Option (right to buy)	**$13.29**							**9/4/2010**	**9/4/2016**	**Common Stock**	**12000**		**12000**	**D**	
Non-Qualified Stock Option (right to buy)	**$15.27**							**8/6/2009** (6)	**8/6/2015**	**Common Stock**	**6000**		**6000**	**D**	
Non-Qualified Stock								**7/27/2008**	**7/27/2017**	**Common**					

Table II - Derivative Securities Beneficially Owned (*e.g.* , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		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 of Derivative Security: 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				
Option (right to buy)	**$17.76**							(7)		**Stock**	**6000**		**6000**	**D**	
Non-Qualified Stock Option (right to buy)	**$18.4**							**8/15/2007** (8)	**8/15/2016**	**Common Stock**	**6000**		**6000**	**D**	
Non-Qualified Stock Option (right to buy)	**$24.21**							**7/29/2006** (9)	**7/29/2015**	**Common Stock**	**6000**		**6000**	**D**	

Explanation of Responses:

(1) Options for 80% of the shares are exercisable on 12/30/04. Options for 20% of the shares are exercisable on 6/3/2005.

(2) 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.

(3) 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.

(4) 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.

(5) Options for 25% of the shares are each exercisable on 7/20/05, 7/20/06, 7/20/07, 7/20/08, respectively.

(6) Options for 33 1/3 of the shares are each exercisable on 8/6/09, 8/6/10, and 8/6/11 respectively

(7) Options for 25% of the total number of shares each become exercisable on 7/27/08, 7/27/09, 7/27/10, and 7/27/11.

(8) Options for 33 1/3% of the shares will each become exercisable on 8/15/07, 8/15/08, and 8/15/09, respectively.

(9) Options for 33 1/3% of the shares are each exercisable on 7/29/06, 7/29/07, and 7/29/08, respectively.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ECHENBERG PAUL S 603 QUEENSBURY AVE. QUEENSBURY, NY 12804	**X**			

Signatures

By: K. Wayne McDougall For: Paul Echenberg **4/28/2010**

** 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).

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