

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

OMB APPROVAL	
OMB Number:	3235-0287
Estimated average burden hours per response:	0.5

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

1. Name and Address of Reporting Person* <u>Greiner Charles R</u>			2. Issuer Name and Ticker or Trading Symbol <u>ANGIODYNAMICS INC [ ANGO ]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP - Global Finance</u>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <u>07/25/2014</u>			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		
<u>14 PLAZA DRIVE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)					
(Street) <u>LATHAM NY 12110</u>								
(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	07/25/2014		A		4,541 <sup>(1)</sup>	A	\$0	27,669	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					
Non-Qualified Stock Option (right to buy)	\$14.07	07/25/2014		A		13,066		08/03/2015 <sup>(2)</sup>	07/25/2021	Common Stock	13,066	13,066	D	
Performance Right	(3)	07/25/2014		A		6,055		(3)	(3)	Common Stock	6,055	6,055	D	

**Explanation of Responses:**

- This acquisition of 4,541 shares of common stock ("Common Stock") of AngioDynamics, Inc. (the "Company"), represents 4,541 restricted stock units, each of which represents a contingent right to receive one share of Common Stock. These restricted stock units vest in four equal annual installments beginning on August 3, 2015, such that 25% of the restricted stock units will vest on each of August 3, 2015, 2016, 2017 and 2018.
- These stock options vest in four equal annual installments beginning on August 3, 2015, such that 25% of the options will vest on each of August 3, 2015, 2016, 2017 and 2018.
- Each performance right represents a contingent right to receive one share of Common Stock. The target number of shares of Common Stock is set forth in columns 5 and 7 of Table II. Between 0% and 200% of the target number will be earned based on total shareholder return relative to a peer group of companies over a three-year performance period covering the Company's fiscal years 2015, 2016 and 2017. Any shares that do not vest at the end of the performance period will be forfeited.

**Remarks:**

/s/ Stephen A. Trowbridge,  
Attorney in Fact 07/29/2014

\*\* 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.

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