

**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	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>Greiner Charles R</u>  (Last) (First) (Middle) <u>14 PLAZA DRIVE</u>  (Street) <u>LATHAM NY 12110</u>  (City) (State) (Zip)	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 Franchise</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/03/2014</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
		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

**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	08/03/2014		F		646 <sup>(1)</sup>	D	\$14.69	27,023	D	
Common Stock	08/03/2014		F		572 <sup>(2)</sup>	D	\$14.69	26,451	D	
Common Stock	08/03/2014		F		633 <sup>(3)</sup>	D	\$14.69	25,818	D	
Common Stock	08/06/2014		F		465 <sup>(4)</sup>	D	\$14.75	25,353	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)					

**Explanation of Responses:**

- The exempt disposition of 646 shares of common stock of AngioDynamics, Inc. was made to satisfy tax withholding obligations in connection with the pre-determined vesting of shares underlying restricted stock units granted to the reporting person on August 3, 2010.
- The exempt disposition of 572 shares of common stock of AngioDynamics, Inc. was made to satisfy tax withholding obligations in connection with the pre-determined vesting of shares underlying restricted stock units granted to the reporting person on August 3, 2011.
- The exempt disposition of 633 shares of common stock of AngioDynamics, Inc. was made to satisfy tax withholding obligations in connection with the pre-determined vesting of shares underlying restricted stock units granted to the reporting person on August 17, 2012.
- The exempt disposition of 465 shares of common stock of AngioDynamics, Inc. was made to satisfy tax withholding obligations in connection with the pre-determined vesting of shares underlying restricted stock units granted to the reporting person on August 6, 2013.

**Remarks:**

/s/ Stephen A. Trowbridge, 08/08/2014  
Attorney in Fact

\*\* 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.