FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL
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## 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

						1. 11111 11 (ii) or the intestment company rist of 1040												
1. Name and Address of Reporting Person*  MAPES HAROLD						2. Issuer Name and Ticker or Trading Symbol ANGIODYNAMICS INC [ ANGO ]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner				
(Last) (First) (Middle) 603 QUEENSBURY AVE.						3. Date of Earliest Transaction (Month/Day/Year) 09/04/2009								X Officer (give title Other (specify below)  VP - Operations				
(Street) QUEENSBURY NY 12804						4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line)     X Form filed by One Reporting Person     Form filed by More than One Reporting				
(City) (State) (Zip)													Person					
		Tak	ole I - Non	-Deriv	ative	e Se	curitie	es A	cquired, I	Dis	osed o	f, or Be	neficia	lly Owned	I			
1. Title of Security (Instr. 3)  2. Transa Date (Month/D							2A. Deemed Execution Date if any (Month/Day/Ye		Code (Insti		Disposed	es Acquired (A) or Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)
									Code	v	Amount	(A) o (D)	Price	Transact (Instr. 3	tion(s)			
Common	Stock														537	D		
		•	Table II - I )						quired, Di s, option:					/ Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day	I 4	4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title an of Securit Underlyin Derivative (Instr. 3 and	d Amount ies g : Security	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)	\$13.29	09/04/2009			A		5,000		09/04/2010	O	9/04/2016	Common Stock	5,000	\$0	5,000		D	
Restricted Stock Units	\$0	09/04/2009			Α		5,000		09/04/2010	0	9/04/2016	Common Stock	5,000	\$0	5,000	)	D	
Non- Qualified Stock Option (right to buy)	\$13.18								07/20/2005 <sup>(1</sup>	1) 0	7/20/2014	Common Stock	8,000		8,000		D	
Non- Qualified Stock Option (right to buy)	\$16.33								08/15/2009	O	8/15/2015	Common Stock	10,000		10,000		D	
Non- Qualified Stock Option (right to buy)	\$17.76								07/27/2008 <sup>(2</sup>	2) 0	7/27/2017	Common Stock	14,100		14,10	0	D	
Non- Qualified Stock Option (right to buy)	\$18.4								08/15/2007 <sup>(3</sup>	3) 0	8/15/2016	Common Stock	19,600		19,60	0	D	
Non- Qualified Stock Option (right to buy)	\$24.21								07/29/2006 <sup>(4</sup>	4) 0	7/29/2015	Common Stock	8,000		8,000	)	D	
Restricted Stock	\$0 <sup>(5)</sup>								05/30/2009	0	5/29/2019	Common Stock	4,000		4,000	)	D	

## **Explanation of Responses:**

- 1. Options for 25% of the shares are each exercisable on 7/20/05, 7/20/06, 7/20/07, 7/20/08, respectively.
- 2. 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.
- $3. \ Options \ for \ 25\% \ of \ the \ shares \ will \ each \ become \ exercisable \ on \ 8/15/07, \ 8/15/09, \ and \ 8/15/10, \ respectively.$
- 4. Options for 25% of the shares are each exercisable on 7/29/06, 7/29/07, 7/29/08, and 7/29/09, respectively.
- 5. Each restricted stock unit represents a contingent right to receive one share of AngioDynamics, Inc. common stock.

By: K. Wayne McDougall For: 09/09/2009 Harold C Mapes Jr.

\*\* 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.