FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP		· ·	,	
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OMB APPROVAL								
OMB Number:	3235-0287							
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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. Name and Address of Reporting Person* <u>Lufkin Dan W</u>					2. Issuer Name and Ticker or Trading Symbol MELA SCIENCES, INC. /NY [MELA]										Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
,		Circt)	(AlbhiM)		3. D	Date of Earliest Transaction (Month/Day/Year)									X		er (give title		(specify	
(Last) (First) (Middle) C/O MELA SCIENCES, INC					08/12/2010															
50 SOUTH BUCKHOUT STREET, SUITE 1							4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable													
					4. If	Amer	ndment,	Date o	f Original	Filed	(Month/Da	ay/Ye	ar)		ine). Ine)	ridual o	r Joint/Group	Filing (Check A	Applicable	
(Street) IRVINGT	ON N	ſΥ	10533												X		•	e Reporting Per		
	OIV IV	1	10555													Forn Pers		re than One Rep	oorting	
(City)	(5	State)	(Zip)																	
Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned																				
Date				action Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)		(A) oı 3, 4 a	r ınd	5. Amount of Securities Beneficially Owned Following		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
									Code	v	Amount		(A) or (D) Price		e	Reported Transaction(s) (Instr. 3 and 4)			(Instr. 4)	
Common	Stock			08/12/	/2010		08/12/2010		P		200		A	\$5.96		446,215		D		
Common	Stock			08/12/	08/12/2010			08/12/2010			100		A	\$5.98		446,315		D		
Common Stock			08/12/	08/12/2010			08/12/2010			292		A	\$5.985		446,607		D			
Common Stock			08/12/	08/12/2010		08/12/2010		P		1,700		A	\$6		448,307		D			
Common Stock			08/12/	08/12/2010		08/12/2010		P		900		A	\$6.03		449,207		D			
Common Stock 08/				08/12/	2/2010		08/12/	2010	P		741		A	\$6.035		449,948		D		
Common Stock 08				08/12/	2/2010		08/12/2010		P		1,700		A	\$6.04		451,648		D		
Common Stock 08			08/12/	2/2010		08/12/2010		P		110		A	\$6.045		451,758		D			
Common Stock 08			08/12/	2/2010		08/12/2010		P		3,900		A	\$6.05		455,658		D			
Common Stock C			08/12/	2/2010		08/12/2010		P		1,100		A	\$6.06		456,758		D			
Common Stock			08/12/	12/2010		08/12/2010		P		100		A			4	56,858	D			
				08/12/	/2010 0		08/12/2010		P		100		A	 		56,958	D			
						08/12/2010		P		100		A	\$6.135		457,058		D			
Common	Stock			08/12/			08/12/		P		57		A	<u> </u>	.16		57,115	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) 1. Title of Conversion or Exercise Price of Derivative Security 1. Title of Conversion or Exercise (Month/Day/Year) 2. 3. Transaction Date (Month/Day/Year) 34. Deeme Execution if any (Month/Day/Year) 35. Transaction Date 2. 35. Transaction Date 35. Deeme Execution 36. Deeme Execution 3		tion Date,	Date, Transaction		on of i		6. Date Exercis Expiration Date (Month/Day/Ye:		е	7. Title and Amount of Securities Underlying Derivative Security (Inst and 4)		str. 3	Deri Secu	Price of rivative curity str. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)			
Explanation	of Poone	505:			Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	or Nur of	ount mber ares						
expianation Remarks		JUJ.																		

Dan W. Lufkin was a member of the Issuer's Board of Directors until April 30, 2010 and currently serves as director emeritus of the Issuer.

/s/ Philip DeBellis as attorneyin-fact for Dan W. Lufkin

** 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.