FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

					01 361	JUI 30(II)	or tile iii	vesillei	it Con	ipariy Act oi	1940						-	
					2. Issuer Name and Ticker or Trading Symbol ELECTRO OPTICAL SCIENCES INC /NY [MELA]							(Chec	Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
												"	Officer (give title		Other (s		
(Last) (First) (Middle) C/O ELECTRO-OPTICAL SCIENCES, INC. 3 WEST MAIN ST. SUITE #201					3. Date of Earliest Transaction (Month/Day/Year) 06/05/2007								below)			below)		
WEST MEMIN ST. SOTTE #201					4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable						
(Street) IRVING	TON N	Y	10533							Line)								
(City)	(S	State)	(Zip)									Person						
		T	able I - Non-	Deriva	tive S	ecuritie	s Acqı	uired,	Disp	osed of,	or Bene	ficially	Owned					
Date					action 2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) of (D) (Instr. 3, 4)			5. Amount Securities Beneficiall Owned Fo	у	Form:	Direct Indirect str. 4)	7. Nature of Indirect Beneficial Ownership				
							Code	v	Amount	(A) or (D)	Price	Reported Transactio (Instr. 3 an				(Instr. 4)		
	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	rcise (Month/Day/Year) if any Co (f tive (Month/Day/Year) 8)		Trans Code	saction de (Instr. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year) 7. Title and of Securities Underlying Derivative S (Instr. 3 and		ies g Security	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)				
				Code	V (A) (D)		(D)	Date Exercis	sable	Expiration Date	Title	Amount or Number of Shares		Transacti (Instr. 4)	tion(s)			
Stock Warrants	\$6.7	06/05/2007		G	v		70,175	11/03/2006		11/03/2011	Common Stock	10,526	\$0.00	0		D		
Stock Warrants	\$6.7	06/05/2007		G	v	70,175 ⁽¹⁾		11/03/2006		11/03/2011	Common Stock	10,526	\$0.00	70,175		I	Aster Lee Moulton Lufkin Trust	

Explanation of Responses:

Dan Lufkin disclaims ownership of the 70,175 warrants.

Remarks:

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

06/06/2007

** 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.