

Ladenburg Thalmann & Co. Inc.  
590 Madison Avenue  
New York, N.Y. 10022

August 9, 2005

Securities and Exchange Commission  
Division of Corporate Finance  
100 F. Street, N.E.  
Washington, D.C. 20549

Re: Electro-Optical Sciences, Inc. (the "Company") Registration Statement  
on Form S- 1 (Reg. No. 333-125517)  
-----

Ladies and Gentlemen:

In accordance with Rule 461 of the General Rules and Regulations under the Securities Act of 1933, as amended (the "Act"), we hereby join with the Company to request that the effective date for the Registration Statement referred to above be accelerated to 4:30 p.m., (New York time) on August 9, 2005 or as soon as practicable thereafter.

In connection with Rule 460 of the Act, please be advised that, during the period from July 15, 2005 to August 5, 2005, we have effected the following distribution of copies of the Preliminary Prospectus dated July 15, 2005:

Number of prospectuses distributed to institutions	1975
Number of prospectuses distributed to individuals	7150
Number of prospectuses distributed to underwriters	600
	-----
Total	9125

Also in connection with Rule 460 of the Act, please be advised that, during the period from August 8, 2005 to the date of this letter, we have effected the following distribution of copies of a revised Preliminary Prospectus dated August 8, 2005:

Number of prospectuses distributed to institutions	1200
Number of prospectuses distributed to individuals	2050
Number of prospectuses distributed to underwriters	600
	-----
Total	3250

The undersigned has and will, and each participating underwriter and dealer has advised the undersigned that it has and will, comply with the provisions of SEC Release No. 33-4968 of the Act and Rule 15c2-8 of the Securities Exchange Act of 1934, as amended in connection with the above-referenced issue.

Very truly yours,

LADENBURG THALMANN & CO. INC.  
STANFORD GROUP COMPANY

By: LADENBURG THALMANN & CO. INC.

By: /s/ Salvatore Giardina

-----  
Name: Salvatore Giardina

Title: Executive Vice President & Chief Financial Officer