11 March 1955

Mr. W. D. Libby
Sales Service Division
Eastman Kodak Company
Rochester 4, N. Y.

Dear Mr. Libby:

Thank you for your letter of March 7. I look forward to receiving from your laboratory information of a specific nature on reciprocity failure of daylight color film.

The other information you sent me is not exactly what I wanted and I am afraid that you did not quite understand my request. I believe I asked for, and I certainly hoped to receive, quantitative, specific information on three properties of three types of daylight color film: Kodachrome, sheet Ektachrome, and 135 Ektachrome. General qualitative statements are of little help to me. Perhaps I should explain why I want this information, although I should hardly think this was necessary. I make many dye-transfer enlargements from color transparencies. A five times enlargement from sheet or 120 roll Ektachrome shows grain in some areas which can be objectionable. Much greater enlargements from Kodachrome do not show grain. I want to know what the resolution of 135 Ektachrome is in comparison with these two films in order to save myself the expense of finding out by my own less exact methods. I am sure that your laboratories have made these comparisons or Eastman Kodak Company would not have released the new Ektachrome first in 135 rolls.

On stability I would also like comparative, quantitative information in order to aid in deciding how soon separation negatives should be made to preserve the color record on the transparencies. This is quite important if the fugitiveness of the dyes varies between the different types of film. Some types may be safely stored longer than others. Slight fading is very difficult to detect.

Many of the exposures I make in daylight are very prolonged. In order to avoid the unfortunate effects of reciprocity failure I have worked out empirical methods, but they are not always successful. It would help me very much to have as much quantitative information as is available on general over-all reciprocity failure of color film as well as on reciprocity failure as a fuction of wave-length.

Much of this information must be available from your laboratories. And I can hardly believe that it is either classified or a commercial trade secret. Could you not please get it for me?

Yours sincerely,