

EASTMAN KODAK COMPANY

ROCHESTER, NEW YORK 14650

PLEASE ADDRESS REPLY TO
RESEARCH LABORATORIES

TELEPHONE
AREA CODE 716 458-1000

May 24, 1971

Mr. Rolf Kuehni
Verona Dyestuffs
P.O. Box 385
Union Metropolitan Park
Union, New Jersey 07083

Dear Mr. Kuehni:

I was interested in your letter of May 19 and the enclosures. However, I am puzzled by a few statements in your letter. I do not understand how you got the impression from my Driebergen abstract that I was proposing to divide ΔC by K_1 . What I suggested was that the FMCl formula be used for calculating color differences but that the tolerances for color differences in any application to opaque materials might be made proportional to $1/K_1$. I also think you have misunderstood my Driebergen abstract insofar as it mentions a dependence of Y on dominant and complementary wavelengths. The values of Y I gave were those required to match the brightness of 50 units of luminance (Y) of white. So far as I have any indications, the influence of lightness difference on total color difference is not dependent on hue, nor on saturation.

We have not yet received a copy of the proceedings of the Color 69 meeting, so I cannot comment on your interpretation of Gall's standard depth formula. I do not recommend reference to or use of Figure 27 of my Mattiello lecture. That was drawn for illustrative purposes only. Although it was based on some practical data, the specific points are not accurately located or statistically representative of the data. I do not wish to publish those data or to have Figure 27 used for definitive purposes.

Very truly yours,



Research Laboratories

DLMacAdam: jwj