

May 4, 1970

Dr. Sumner M. Kalman  
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Dear Mr. Kalman,

Thank you for the draft papers from your symposium. I shall keep them to myself.

I enclose a bibliography on CS that may contain some items unfamiliar to you. Items 14, 30, and 33 are among those that suggest a hazard in the use of CS. I am puzzled by what seems to be the stronger initiating effect of CS aerosol on both the eyes and the respiratory tract as compared with CN -- when tests done with CS and CN in solution indicate CS is milder than CN. I realize that this is not a completely valid comparison but it makes me wonder if there is something peculiar to the aerosol application. Is it possible, for example, that CS is not itself the most active component in a CS aerosol? Reaction products of CS with oxygen or, perhaps, reaction products with water that might quickly react with solvents used by laboratory workers who administer CS in ethanol, etc. It seems to me that toxicological work should place more emphasis on CS aerosol exposure, since this is the most relevant route for most applications by police and by the military.

Sincerely yours,

Matthew Meselson

MM:ls  
Encl.