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**ComposedDate:** 04/22/1997  
**ComposedDate\_Time:** 12:07:30 PM  
**Subject:** Perceived Anomalies in CD-ROM Images of Zapruder Film

As a follow-on to our discussion this morning re: my April 21, 1997 memo this subject, I called Alan Lewis at NARA to discuss the likelihood of seeing apparent artifacts that tiny on the actual 8 mm film, using a magnification loupe as we have in the past. He said that his loupe is "5 X" magnification, and that he does not know anyone in the building who has a more powerful one. I asked him whether he had ever seen a microscope used to examine frames from an 8 mm film, and he said no. I asked him if he knew of, or had access to a microscope, and he said no. He then speculated that the film preservation department may have one. He thought that the best procedure (short of digitization) for determining conclusively whether the artifacts seen on the CD-ROM are on the original film would be to examine selected 4" X 5" slides made last month by McCrone Associates for the LMH Company at NARA. I concur that this should be our next step. Do I have your permission to call Jamie Silverberg on this matter and request a viewing, or should I wait until this week's proceedings are over vis-a-vis the Review Board? Alan and I agreed to "regroup" and try to find a microscope (and attempt to examine the original), if for some reason the McCrone/LMH slides are not available. He and I both feel, based on past viewing experiences, that trying to determine whether artifacts this small are present on the original film, using only a 5-power loupe, would not yield good results, and would therefore not be conclusive.

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