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STATINTL			
STATINTL	December 17, 1968	I	
	P.O. Box 8031 South West Station Washington, D. C. 20024		
	Dear Paul:  I have returned from my trip and lethe following remarks to make.  1. The stereo comparator is indeed a tremental and lether the following remarks to make.		STATINT
	complicated system.	such an A. It een able	STATINT
	3. I quizzed the designers at length about system and was satisfied that they were very compete perienced, and had put a great deal of effort into the and were also deeply involved in the building of the	nt, ex- e design	
	4. I was not able to find any obvious thin had overlooked. I was surprised with how much they to have reduced the secondary color, but I concluded was due to their using FK50. I have always consider glass to be too exotic to use in a practical design. many difficult properties, such as easy to crack, sta	that it ed this It has	
(te	easily, and tends to have striae. I questioned them deal about this glass and they didn't seem to think problem. They also claimed they could coat it with culty. I hope they are right and that my fears are	it was a no diffi unjusti-	<b>-</b>

wait and see.

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- them at length about coatings. They were somewhat vague about this and indicated that they planned to use some three-layer coatings. I warned them that three-layer coatings can absorb badly in the blue end of the spectrum. They could also scatter light badly. I was not sure that three-layer coatings should be used unless they were sure that they were done by experts. They said they planned to use \_\_\_\_\_\_ to do their STATINTL coatings. This is an excellent company and should do a good job.
- 6. Everything about was old-fashioned, but STATINTL probably adequate. Their rooms and working quarters were dismal and poorly lighted. Their workers were old and decreption. They will not be able to continue optics much longer without a major overhaul. Modern young people will not work under such conditions.

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- 7. is an exceptionally fine engineer and the whole project rests on his skill in working with these people. If it were not for him, I would give you a dim chance of ever realizing that instrument. You better take good care of him and treat him well. I was really impressed with him. He has things very much under control. Thank goodness I am not under his control. He is a taskmaster.
- 8. I am very sorry that an instrument of this complexity could not have been made in the U.S.A. I believe we must find a way to do so. I feel badly that we are encouraging the exploitation of people for this kind of work. We should have exploited machines. I admit it would have cost much more, but if handled properly, it would have cut future costs.

9. I could not recommend doing this again on future instruments, particularly if you don't have \_\_\_\_\_\_ I predict this would have been a disaster without him.

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I would also like to report to you on two items pertaining to my last visit to your laboratory.

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	I read a report on the micro densitometer and I believe you should be careful about the Their report on the color correction of the objectives was very poor. Many of the statements were wrong and the color curves they showed were incorrect. Their conclusions about the apochromats showed a complete lack of understanding on chromatic correction.	STATINTL
	enromatic collection.	STATINTL
ΓATINTL .	I was particularly disturbed by the illuminator for the pin hole. They referred to a paper by	
	I wish you would send me the parameters on the densitometer optics. I believe you have been sold a bill of goods and that it should be challenged. should know better also.	STATINTL
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	Sincerely,	
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	CC.	