

August 21, 1963

Mrs. Ellen Grass
101 Old Colony Ave.
Quincy, Mass.

Dear Ellen:

We have received the 12 channel instrument. However, the right side panel was damaged in transit and we have filed a claim. I hope the carrier will provide us with a new panel. In other respects the instrument seems to be operating well.

As you may recall, I inquired about the question of a flat frequency response from the amplifiers to F-M tape. We have tested the instrument both in ink writeout, a copy of which is enclosed, and on F-M tape. As you can see, the writeout is fairly flat up to 70 cycles. However, on digitizing the tape we find there is a 30% fall off from 1 - 5 cycles, about a 20% fall off to 10 cycles, flat to about 30 cycles and then a sharp fall off from 30 - 70 of approximately 50%. It is apparent then that you have provided an equalization circuit for the calvenometers.

I would like to modify two of your amplifiers in order to get as flat a response on tape as possible. For this reason, I would be grateful if you would send me schematic diagrams including the values of components for the amplifier and power supply. Do you have any suggestions as to how we might modify an amplifier to provide such response characteristics?

Separately, you will be receiving an order from St. Louis State Hospital for both 10 1/2" and 12" paper.

Sincerely yours,

Max Fink, M. D.
Director

MF:aw
enc.

P. S. The carrier has accepted responsibility for the damages. Please tell us the price of a new right side panel (as you face the machine), so we can bill them. Thanks.