

20 September 1971

Dr. Jon Heiser
University of California
Irvine, California

Dear Dr. Heiser,

Your experiences are most interesting, and I am delighted that you are extending your studies.

In our assessment of the EEG changes with anticholinergic drugs, the changes in the theta/delta (2-7 cps) and the fast beta (22-30 cps) were the most interesting. We used a conventional frequency analyzer in our studies, and confirmed some of the changes with our computer analyses using period analyses. But many years earlier, the same work had been done very well by Romano and Engel in 1944 (*AMA Arch Neurol Psychiat.*, 51:356-377) using hand methods. Should these prove too painful or expensive, and a frequency analyzer unavailable, we would be willing to cooperate, should you be able to collect the tapes necessary for our analyses.

A most important measure would, indeed, be the EKG and heart rate, and these could also be analyzed using some of the available computer processing methods. But they can also be done by hand and eye.

I am not clear about the 'cardiovascular toxicity of the tricyclics'. I have not been too impressed with the cardiovascular effects of our compounds except for thioridazine, which does have clearly defined effects on cardiac function, and is interdicted on that score in my units.

Mickey is busy planning an extensive set of studies, and I am delighted to have him back. Give my best to Hank Elliott and John Kramer (should he return from his infatuation with the W.H.)

Sincerely yours,

Max Fink, M.D.
Professor of Psychiatry