

April 30, 1963

Dr. Neil Burch
Houston State Psychiatric Institute
1300 Moursund Avenue
Houston, Texas

Dear Neil:

You should receive two boxes by pre-paid Railway Express. These will contain a tape recorder, Mnemotron 4-channel converter, cables, etc. and two tape reels.

We have recorded consecutive samples of various subjects for whom the frequency analysis has also been done. There are twenty samples. The EEG signal is on channel 4 and the marker signal is on channel 3 (or, the reverse). You will note that the box contains little white slips of paper which marks the approximate beginning of each sample. The samples are to be identified by using the clock. On reel #1 the samples begin at 0860; and on reel #2, at 0020.

I am enclosing duplicate sheets identifying each patient, the clock markings for the sections analyzed and our identification code. For the latter, we set up a simple on-off signal and ask the technician to mark the start of the signal epoch used for the analysis, with a 1, 2, 3 or 4 depending on the sample for the subject. Each ten seconds thereafter, is then marked by a second code from 1-6. Thus, the first 60 seconds of patient #1 (Sheila O'Reilly) will carry a code signal of 1-1, 1-2, 1-3, 1-4, 1-5, and 1-6. Note that for this analysis only 5 epochs were averaged as epoch #1-6 contained some artifacts. Thus, in your analyses if you could provide us with a summary of the events from 1-1 to 1-5 for our comparison, we would appreciate it. For this patient a second analysis was done for the 6 epochs 2-1 to 2-6, and so on, for 4 samples.

Thus, for each patient we have between two and four graphs available. If all of these are analyzed we should have about fifty samples for comparison.

I am sure this is unclear, but be patient with all the notes and then call me. A copy of the manual is included with the tape recorder. I hope that there are sufficient cables. If not, we can ship you some additional ones.

I am also enclosing a set of our graphs on patient Sheila O'Reilly as well as our notes, to give you an idea of the frequencies we have measured, and the "changes" we have observed, in this patient, with hyperventilation.

My best regards.

Sincerely yours,

Max Fink, M. D.
Director

MF:aw - enc.