

June 23, 1964

TO: Dr. Sam Gershon
FROM: Max Fink, M. D.
SUBJECT: Protocol of EEG patterns in conscious dogs

In general, the protocol appears to be satisfactory with the following specific comments.

While psychomimetics may be the first group you would wish to examine by this method, the study should probably examine some established psychotropic drugs in our own animals to answer the following simple questions:

- A. Are the EEG changes induced by common psychotropic drugs similar or dissimilar in dog and man?
- B. At what dosage ranges does one get similar or dissimilar patterns?
- C. If a chronic study is undertaken, how long do drug induced changes persist?
- D. Given a normal, untreated dog, how stable are his EEG patterns from day to day, with or without the administration of saline?

It would seem to me that such preliminary studies using a phenothiazine like chlorpromazine, meprobromate or librium, as well as psychomimetics would provide this information.

The question regarding the location of the study is clearly answered and it would be important to use the present Offner recorder for the initial demonstrations. If it is indeed true that the dogs provide a clear demonstration of drug effects, then some method of time sharing of the frequency analyzers or other equipment will have to be developed. For the initial demonstrations, however, the Offner EEG amplifiers are very suitable, and visual analysis will be satisfactory.

MF/jb