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Mr. Richard Wexler, Manager
Technical Marketing
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801 Charleston Road
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Dear Dick,

Thank you very much for an opportunity to discuss the Time/Data processing equipment. As I indicated, I am very much interested in an opportunity to see the instrument and obtain your recommendations regarding the applicability to our type of work.

The principal studies now in progress are in quantifying the changes in the scalp recorded EEG with emphasis on serial changes over time as induced by psychoactive drugs. We have focussed on single channel, although two channel data would be of great interest if cross correlations were made available. In single channel data, we have focussed on power spectral density measurement and in period analysis. Because period analysis provided rapid and clear definitions of drug effects, cheaper and more easily than power spectral methods, we have focussed on period analysis during the past eighteen months. However, our power spectral density estimates have always been of interest.

Our sample sizes have been from one to sixty seconds and our principal mode of operation was to determine the resting patterns and then to determine the changes in our sample at 20 or 30 second intervals after the administration of a compound.

Because we are interested in frequencies up to 80 cycles, we have emphasized a digitizing rate of 320 sps. Since the amplifier inaccuracies are quite great, we have not required better than 3 digit accuracy in the measurements, often being satisfied with 2 digit for approximation.

Mr. Wexler

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I think this description plus the two reports which I am enclosing should give you sufficient information regarding our present application. These pilot studies have been successful in defining the EEG changes and much of our present work is in the statistics of handling this information after the analyses have been completed. In addition to the two reports I am enclosing a copy of our IBM 1800 configuration.

I would like to arrange an opportunity for Don Shapiro and myself to visit your facilities late in January. Because there are other meetings in California which may provide a useful focus for this visit, I should like, provisionally, to set aside January 30 or January 27 for a visit to your facility. Would you be kind enough to review the information included with this letter, and proceed as you outlined during your visit here. Would you also indicate whether either of the dates suggested are convenient for you and your staff.

My best regards for the New Year. Again, my thanks for your lucid explanation.

Sincerely yours,

Max Fink, M.D.
Professor of Psychiatry

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