

*J. Keller's
Hodges*

September 9, 1979

Dr. R. M. Hodges
3720 Hampton Road
Pasadena, Cal. 91107

Dear Dr. Hodges,

Enclosed are a number of reprints of our recent studies of the EEG effects of drugs. We have two applications of these methods-- to identify and classify putative psychoactive agents, and to describe the phramacodynamics of the compounds.

In our work, we use an IBM 1800 which was programmed in machine language more than 12 years ago. I fear that these programs are of little merit to any investigator wishing to program modern machines. The logic of power spectral density is published in engineering volumes, particularly by Blackman and Tukey (Measurement of Power Spectra, Dover, N.Y., 1958) and that of period analysis by Burch et al (Ann. N. Y. Acad. Sci. 115: 827-843, 1964). The most recent descriptions of programs for small computers were those written by Dr. T. Itil (HZI Research, 150 White Plains Road, Tarrytown, N.Y.) and Dr. D. M. Shapiro (2 Hemlock Drive, Kings Point, NY 11023). Dr. Shapiro is a computer consultant who programmed my machine and a number of successors, and you may wish to write to him for the availability of programs and their translation for your instrument and purposes. He would be particularly helpful in advising you as to the feasibility of doing EEG spectral work on small instruments of the kind that you describe.

Thank you for your kind comments on my book on ECT. It has received a favorable review in Lancet and has been awarded the 1979 prize by the Anna Monika Foundation of Germany for its contribution to the study and understanding of endogenous depression.

Good luck in your work.

Sincerely yours,

Max Fink, M.D.
Professor of Psychiatry