

March 8, 1965

Dr. Akira Yukitake
Department of Neuropsychiatry
Faculty of Medicine
Krushy University
Fukuoka, Japan

Dear Dr. Yukitake:

Dr. Takumi Ikuta has recommended your appointment as research fellow in this Department of Psychiatry, and has submitted a copy of your curriculum vitae. I am pleased to consider this application for we are interested in expanding both our laboratory and clinical research programs. We are now processing the appointment of an additional research scientist for our animal study program. While our principal studies are with patients, it is in our animal laboratories that we would like to provide the next additional program.

The projects we have in mind are studies of the changes induced by psychotropic drugs in the cortical EEG of dogs. We are of the opinion that changes in the electroencephalogram reflect the specific changes of compounds, and that we might be able to relate the patterns in dogs to those seen in patients. For this purpose we would like to have electrodes implanted above and beneath the dura for prolonged periods. These dural electrodes would be connected to lead sockets affixed to the skull. Recording would then be accomplished with long lead wires in a freely moving animal in a confined enclosure.

A second study program is an evaluation of the changes induced by drugs in psychiatric patients, comparing the different patterns as seen with quantitative EEG measures. In addition to the conventional frequency analyzers, we are exploring applications of digital computer methods. There is a great deal of study which should be accomplished by statistical quantitative measurements in the EEGs, using the quantitative tools of the laboratory to support the individual examinations.

If either or both of these programs interest you, I should like to receive the names of three references and your permission to write to them. I believe that Dr. Ikuta will write at greater length and can explain in your own language the programs developing here. I look forward to hearing from you.

Sincerely yours,

MF:jm

Max Fink, M.D.
Professor of Psychiatry