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An Electrophysiological D.C. Voltage to Sound Converter

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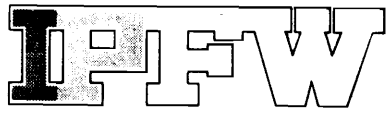
SENIOR DESIGN
TECHNICAL REPORT

AN ELECTROPHYSIOLOGICAL D.C. VOLTAGE TO SOUND CONVERTER
title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



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TIMOTHY D. ZESER

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of Report on the Design of an
Electrophysiological D.C. Voltage
to Sound Conveter

by

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As technology knowledge increases so does the need for technological devices. During an experiment in the Electrophysiological Laboratory, many characteristics of the particular lab assignments must be monitored; therefore, the experimenter must devote his hands and eyes to these criteria. So to be able to monitor the voltage potential across nerve cell memebranes without disturbing the operator's other aspects of the lab, I designed the talking millivoltmeter. This device will actually talk to the operator and tell him when the voltage level changes.