MAJOR TOPIC
High 570 Current
Thermoelectricity

CUSTOMER
G.E. CO. RESEARCH LAB. THA KNOLLS

FIELD ENGINEER
RICK KEHRLI *

CITY & STATE
SCHENECTADY, NEW YORK

TERR. #	MO. & DAY	CALL #
105	4/28/61	1

MARKETING
____ Instr. Sales
____ Cust. Service
____ Market Planning
____ Field Engineering
__✓__ Advertising
ENGINEERING
__✓__ Instr. Design
__✓__ Special Products
CRT
____ Development
____ Production
MANUFACTURING
____ Quality Assurance
____ Manuals
MIL. PRODUCTS

GROUP
CERAMIC TUBES

GROUP FUNCTION
RESEARCH

NAMES
Jim Beggs - Physicist

575 #1228

TECHNIQUE

EXTENDING CURRENT RANGE OF 570 - Jim's problem here is that he needs to extend the range of the 570 to 10 amps for observing the characteristics of ceramic tubes.
Chuck Nolan suggested trying a sampling approach to this problem and pulsing the tube for the high current ranges. Chuck has promised more information on the feasibility of this approach in the near future.
See FEN 5-12-61 for 575 use of this technique.

SAVE

DIRECT CONVERSION OF HEAT TO ELECTRICITY - Jim had an interesting little eye-catcher set up to show us. By applying a blow torch to one of the ceramic tubes he was able to obtain enough power to operate a small motor. He has been able to obtain a current of 5 amps with one of his larger tubes.
Maybe we could make a scope to operate on butane?
—GG.

*Accompanied by Chuck Nolan
John Adams

PTG

hg

TEK NO. 001246