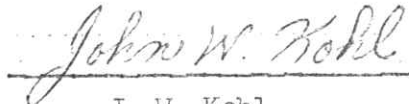


SLP-764-71
June 22, 1971

To: Distribution
From: J.W. Kohl
Subject: New Equipment for the Detector Lab.

It is intended to update the detector lab with some new NIM electronic modules and perhaps some non-NIM supporting equipment. Besides apparatus used in specific tests, it would seem desirable to obtain a range of versatile modules which would be useful in the pre-design stage of any future experiment.

Enclosed is a preliminary list of proposed instrumentation. Also included on this list are the proposed supplier and cost. Any suggestions as to additions, deletions, specific manufacturer, specific instrument, specific functions desired in any instrument, priorities, etc. will be very welcome.


J. W. Kohl

JWK:las

Distribution: S1P1 and S1P2
S1P File
Archives

Fast (NSEC) Electronics

Dual amplifiers	Chronetics	450
Dual discriminators	Chronetics	880
Coincidence	Chronetics or EG & G	650
Delay amplifier	Ortec or Tennelec	340

Slow (μ SEC) Electronics

Research amplifier	Ortec	970
Bias amplifier	Ortec	400
Delay	Ortec	140
Pulse stretcher	Ortec	300
Linear gate	Canberra	850

Miscellaneous

NIM bins	Ortec	3 @ 575	1720
High voltage supply (not NIM)	Harrison		<u>400</u>
			7100

SLP mfd.

	<u>NIM width</u>	<u>#</u>	<u>@</u>	
Master timer scaler	3	2	43	86
Slave scalers	2	6	43	258
Pulser	2	2	43	86
Detector bias supply	2	2	43	86
Fan out	1	2	23	46
Fan in	1	2	23	<u>46</u>
				610

Auxiliary Equipment

Franklin printer
X-Y point plotter

S R E L N E W S L E T T E R

July 3, 1970

Volume IV, Number 7

GENERAL

The next meeting of the Users Advisory Committee will be held in the Conference Room at 2:00 p.m. on Thursday, July 9. The cyclotron schedule for the last three months of this year will be discussed.

ELECTRON ACCELERATORS

Requests for time in August on these machines should be submitted by July 20.

USERS HANDBOOK

1. On Page IV B 2, add: "EGG DB 463 Quad Delay Box 10"
2. On Page IV C 2, change the number of Ortect 437A Time to Amplitude Converters to 9.
3. On Page IV F 1, change the number of Tektronix 454 Oscilloscopes to 8.
4. On Page IV F 1, add:
 - "B.L. Packer 1001N Powered NIMS Bin (High Current) 9"
 - "Kepco 800B Dual Power Supply (600V, 200ma) 2"

Memorandum

TO : Principal Investigators of SREL
Experiments

FROM : Dr. R. T. Siegel

SUBJECT: Abstracts of Experiments in Progress

DATE: July 14, 1970

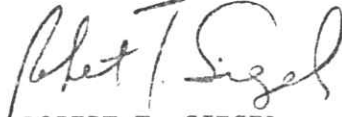
On various occasions information is requested of the Laboratory concerning experiments in progress. Last year we therefore requested of all principal investigators that they prepare abstracts, which then were compiled and have proven quite useful.

It is desirable that these abstracts be brought up to date once a year, and you are therefore asked to prepare abstracts for each of the experiments in which you are listed by us as principal investigator. These are given at the bottom of this page, and copies of last years abstracts are attached for reference.

For those experiments added since last year, the new abstracts should be roughly in accord with journal practice, i.e. no longer than one double-spaced typewritten page. They should describe the purpose and present state of progress of the experiments.

We will appreciate receiving abstracts by August 1, 1969. If your experiment(s) listed below are completed or have been withdrawn, please inform us accordingly.

One last comment concerns the titles of experiments. To avoid unnecessary confusion, we request that each experiment retain the title listed below, unless you feel that the given title is not accurate, or that the substance of the experiment has changed. The title given on your abstract is the one which will henceforth be carried on our records.


ROBERT T. SIEGEL
Director

NC-133 - Calibration of Charged Particle Measurements
Experiment (CPME) for IMP H and J. S. M. KRIMIGIS,
J. KOHL, R. CASHION, J. CRAWFORD, S. GARY, and C.
CUMMINGHAM; *The Johns Hopkins University Applied Physics
Laboratory, Silver Spring, Maryland*; T. P. ARMSTRONG;
University of Kansas, Lawrence, Kansas



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER
HAMPTON, VIRGINIA 23365

July 28, 1970

REPLY TO
ATTN OF:

The John Hopkins University
Applied Physics Laboratory
Attention: Dr. Thomas P. Armstrong
Co-Investigator CPME Experiment
8621 Georgia Avenue
Silver Spring, Maryland 20910

Gentlemen:

Your letter of July 9, 1970, with the revised accelerator use request dated July 9, 1970, experiment summary sheet also dated July 9, 1970, and 2 copies of the pamphlet "Charged Particles Measurement Experiment", has been received.

The experiment has been reviewed and the request for 16 hours of cyclotron running time has been approved for scheduling for July 26, 1970. This was confirmed to you by telephone by Dr. Siegel.

The experiment has been assigned number NC-133, "Calibration of Charged Particle Measurements Experiment for IMP H and J". You are advised to continue to keep in contact with Dr. Siegel, Director of SREL, 11970 Jefferson Avenue, Newport News, Virginia 23606, for details of schedules and other operational matters pertinent to the actual running of the experiment.

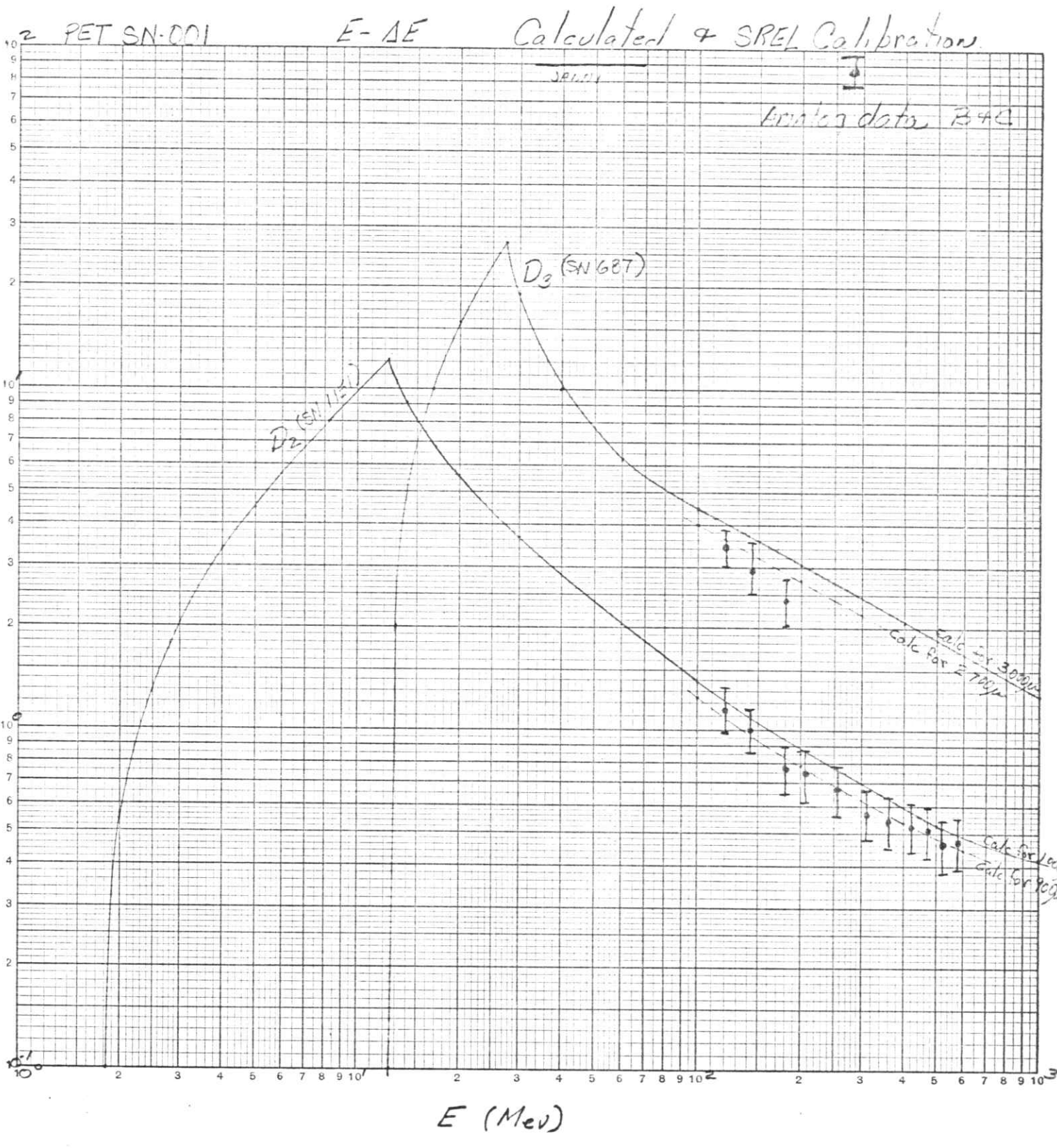
This Center would like to receive two copies of any reports written or papers published as a result of your work at SREL.

Your interest in the Space Radiation Effects Laboratory is appreciated and if any additional information is desired, please do not hesitate to contact this Center by letter or by telephone, 703-827-3461.

Sincerely,

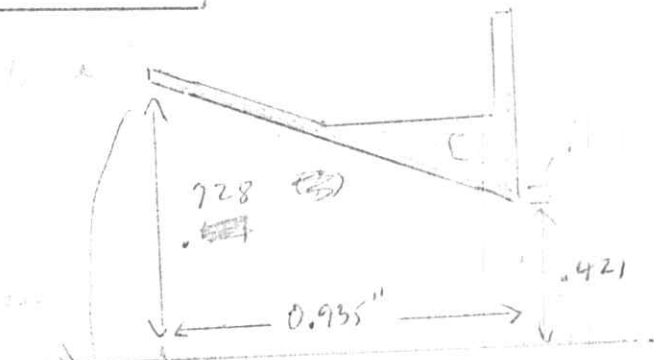
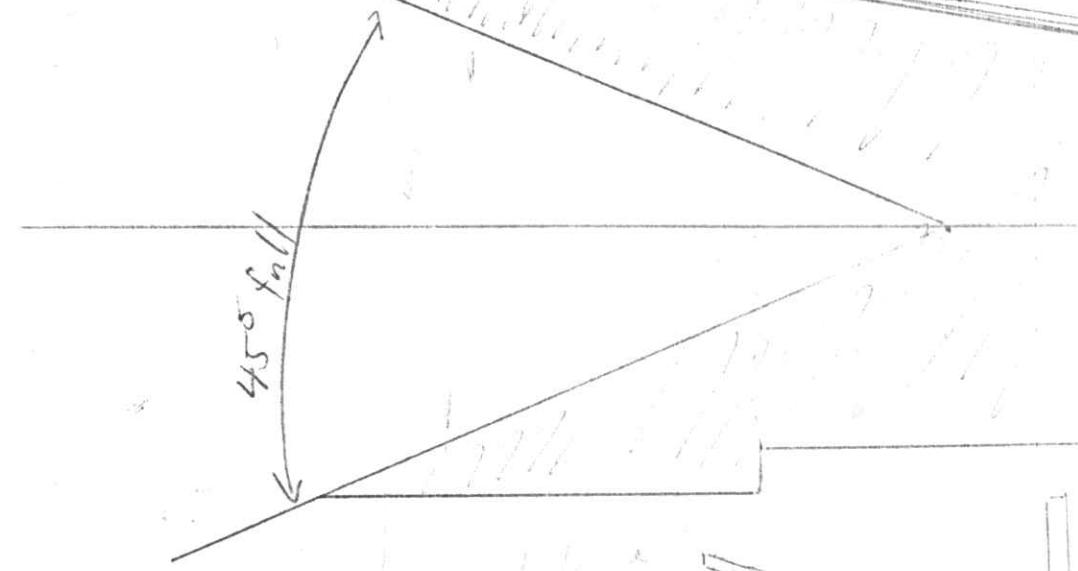
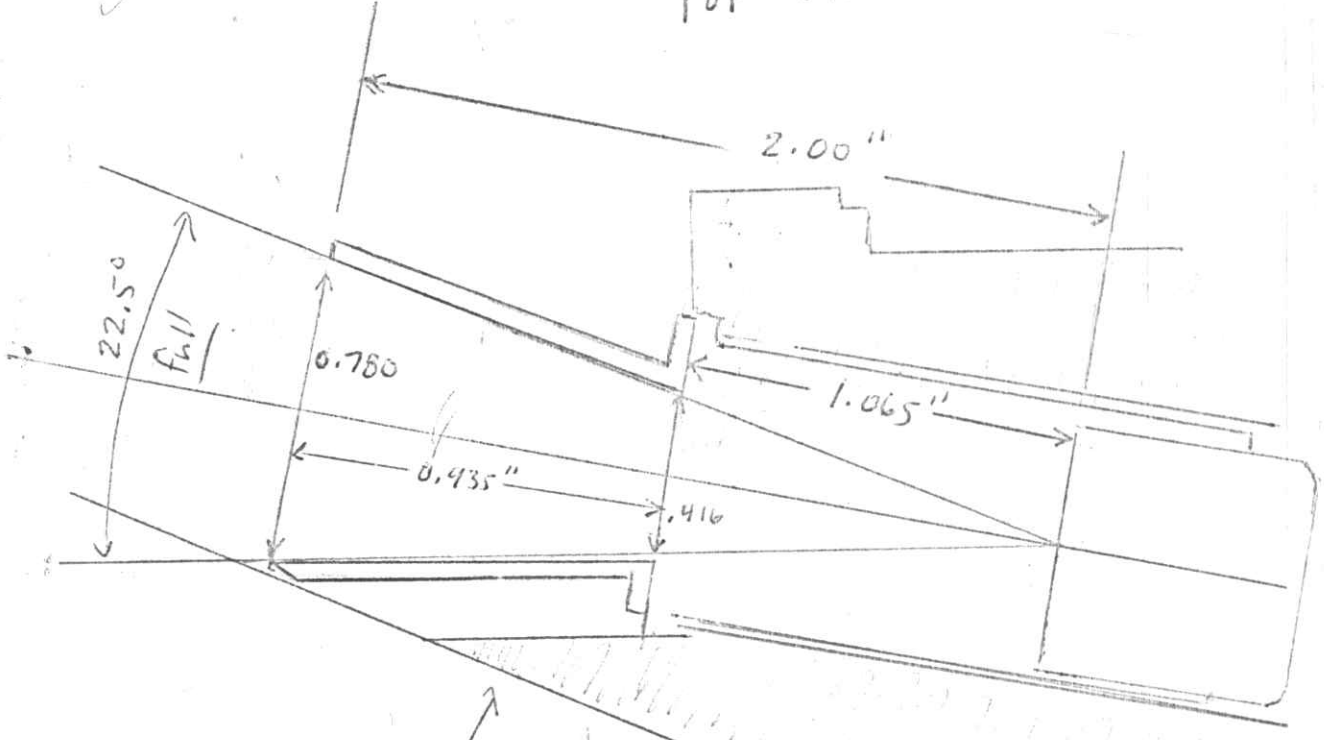
Draper D. Smith

Draper D. Smith
Technical Representative of the
Contracting Officer NAS1-9990



46 7400
 LOGARITHMIC
 KEUFFEL & ESSER CO.
 MADE IN U.S.A.

TOP VIEW



IMP - J

SIDE VIEW →

40 fall

* SECTORED

