

DAILY LOG

February 19, 1957

Stopped by to see Bowditch and Shell-Schreiber of Modern Industries and went over the problems in detail associated with the power supply they constructed. The difficulties probably occurred by expecting too much for too little. In addition, Modern Industries' work should have been more closely coordinated with our lab. It was agreed that no further work on this power supply would be continued. We will accept the first unit after it has been brought up for specs and use it with the stand-by power supply in the lab. Work was stopped on 2 partially completed units. Our Purchasing Dept. will attempt to work out a satisfactory agreement for the cost incurred thus far on these units.

Some time was spent in going over in considerable detail the high voltage power supplies they are presently doing for us. Closer coordination will be affected on these units. Bowditch of Modern Industries wanted to make a proposal on a power supply that will be adequate for our need for the 100A, using solid state elements throughout.

Life tests were started yesterday on a 24 hour day basis on basic building blocks, such as the Mark 2 Sweep Circuit, Mark 4 Amplifier. These tests will be continued in an effort to discover any deficiencies in regards to operational life.

International Resistance Corp. sent by an Applications Engineer. We went over the 100A Power Supply in detail, and ordered (to be delivered immediately) a number of silicon rectifiers for breadboard testing in this unit. Work was continued on test and development equipment for the power supplies. A number of the regulated circuits were completed and ready for tests. A vacuum tube voltmeter will be designed and built into the already constructed power supply for use in the receiver production check-out procedures. This is in effort to avoid the use of the laboratory VTVM. Upon cursory observation of their inspection techniques, it seems

that procedures for determining accuation time of the receiver is ambiguous at best.

It was pointed out to me today for the first time, that only items which are immediately available may be placed on order with the various electronic houses. This is a waste of time, since a purchase order for the item must be obtained. Once this purchase order has been obtained, the items may no longer be picked up by Will Call, but must come through the standard receiving Inspection Departments here at the plant. This of course involves needless delays, to say nothing of the usual probability of their being lost in the process, and in general causes.

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