

Issac

November 16, 1940.

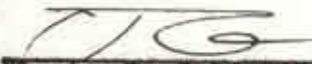
MEMORANDUM TO HARRY HOUSTEN.

RCA Manufacturing Co., Camden, N. J. purchased one of our 20" Receivers, Serial #106, containing Tube #EX368 Serial #7405481.

In the course of two or three letters between them and myself we finally had them ship the set back here. On test Dr. Cristaldi finds the tube has quite low emission of .5 milliamps.

Therefore please prepare another 20" tube immediately so that we can return this receiver to RCA. The complete receiver was returned so that we could check up for certain on the chassis. This is being done and the chassis will be ready to return by Monday, November 18.

Our truck will likely have to go to Camden either Tuesday evening or Wednesday morning, November 19 or 20, to bring back several receivers which we now are sending there in the RCA truck for the NTSC Field Tests. Therefore please see that this 20" tube is repaired or another one is built by Tuesday in time for test and installation in the complete receiver so that we can take advantage of this means of shipping the receiver back to RCA.


Thomas T. Goldsmith, Jr.
Director of Research.

TTG:hmb

REPORT ON 195 SETS.

1. Cabinets. Have looked over the ones in the Warehouse, and find that out of 9 cabinets, there are only 4 that can be used. All the others are so bad that they have to be repaired.
2. We have one good cabinet here in the basement, and that can be used for the receiver to go to the West Coast, but we require one of the sets that you have taken to New York for that shipment.
3. We have one other receiver completed but there is some kind of trouble in the vertical sweep frequency, when we switch over to 625 lines and 15 frames. The pattern keeps on jumping up and down, and will not synch.
4. We have 5 sets ready, and waiting for R.F. units, that Paul will have for us next week.
5. Andy is working on one power supply now that can be used as a spare. We also have one radio tuner, one video I.F., and one audio chassis that can be used for spares, but no spare sweep deck.
6. Regarding cabinets, there are 5 bad ones in the warehouse and 5 bad ones here in the basement.
7. Henry Strahlman has altered the wiring diagram as far as he can go now until he gets the sweep diagram back from Charles Ruffman.
And the Parts List is complete and up to date as of 7/19/40.

O. Brandt.

OB:mb

December 18, 1939.

BRIEF SPECIFICATIONS OF DU MONT
TYPE 195 20" TELEVISION RECEIVER.

The Type 195 Television Receiver employs a 20" Cathode-ray tube with electrostatic deflection providing a picture 11-1/4 x 15" for direct viewing. The handsome walnut cabinet has doors which give access to the viewing screen and to the controls for both the television and the radio circuit. The cabinet dimensions are 28" x 28" x 47".

The instrument provides television sight and sound on five channels and is equipped with a high fidelity radio receiver for the broadcast and short wave bands. Provision is made for the attachment of a phonograph turn table which then utilizes the high fidelity audio system to activate the 12" dynamic speaker.

The chassis consists of six constituent units as follows:

1. Power Supply.
2. Television radio frequency tuner.
3. Video I.F. amplifier.
4. Television audio I.F. and high fidelity amplifier.
5. Cathode-ray sweep and modulation unit.
6. Broadcast and short wave tuner.

The instrument operates on 110 volt 60 cycle drawing approximately 250 watts and is designed to receive signals on the present R.M.A. standards and also the proposed Du Mont standards of television transmission.

Thomas T. Goldsmith, Jr.

TTC/efa

CC Mr. Mezger
Mr. Du Mont.
Dr. Goldsmith (2)
Mrs. Haller's file.