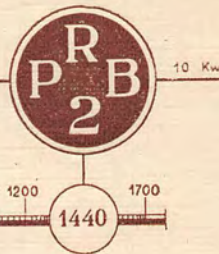


RADIO CLUBE PARANAENSE LTDA.

135 RUA BARÃO DO RIO BRANCO
FONE, 661 - C. POSTAL, 448
TELEG. "BEDOIS"
CURITIBA - PARANÁ - BRASIL



Curitiba, July 2nd. 1951

Mr. David F. Thomas
Proctorville, Ohio,
USA.

Dear Mr. Thomas

We have your report of reception of our station at your listening post in Ohio as per card and comparison sheet just received.

We thank you the kindness of this communication. We have already received many other reports of this occurrence from friends in almost all the eastern States of your country.

It has been very agreeable to know that we have achieved such efficiency with our transmitter. Unfortunately since the first of March ult. we have reduced our transmitting power to five kilowatt owing to the scarcity of tubes. In fact we are now using our last 893-A. If no renewals are forthcoming we may be forced to quit the air.

PRB_2 station is located on high ground (3000 ft. above sea level) outside the city limits of Curitiba (pop. 250,000) capital of the State of Paraná in southern of Brazil. Our antenna is a steel tower of triangular section of uniform cross sectional pattern. It lies on the spot determined by the coordinates 25° 25' 1" latitude south - 49° 19' 24" longitude west of Greenwich.

The tower has 1/4 wave length (50 meters high) and the ground system comprises 100 radials of copper strips 2 inches by .020" radiating from the tower to a distance of 1/2 wavelength.

The transmitter was built by Messrs. Byington & Co of São Paulo, Brazil, upon specifications established by our technical staff. Thus instead of the orthodox practice of using two tubes in push-pull or in parallel such as two 892 as generally used for stations of 10 KW power, we have a single 893-A tube in class C plate modulated in the power stage. Modulators are two 892 tubes in class B. The RF line up is as follow:

- 802 oscilator (Pierce)
- 807 first buffer
- 3 x 813 second buffer (paralleled)
- 893-A Class C plate Modulated (10,000 volts 2amp.)

that is, until March 1st. Now we have the 893A with 6,000 volts at the plate and 1,2 amp. of current.

I suppose this will comply with your request. Wishing you happiness,
I beg to remain,

Yours Truly
Hugo F. Cunha
Hugo F. Cunha, Chief Engineer