

W P R B

THE PRINCETON BROADCASTING SERVICE, INC.

Princeton, New Jersey, Walnut 4-0788
May 15, 1960

Mr. Kermit Geary
R.D. 2, Box 298
Walnutport, Pa.

Dear Mr. Geary,


We appreciated receiving your reception report of WPRB for our NRC DX program broadcast on March 5, 1960. We have checked your report and find it to be quite accurate and very useful to us. We were particularly pleased to find that our signal is reaching your area without interference. You might be interested in knowing that we have recently had reports from as far north as Greenwich, Conn. and south as Maryland.

WPRB has just increased power 20,000% as you may have read or heard on the station; to accomplish this we are using a Collins exciter feeding an ITA 5KW linear amplifier. The antenna used is an Andrews "multi-V" antenna with a 3.7 gain. This gain of 3.7 boosts our transmitter output to an Effective Radiated Power of 17,000 watts. Our frequency response is from 20-20,000 cps. \pm 3 db. with a distortion at 40% modulation of about .7%. Our radiation pattern is non-directional from the station, but of course the terrain affects our pattern on FM rather drastically.

Since WPRB is run entirely as an extracurricular activity at Princeton and is in no way connected with the University, we leave the air for about three months during the summer. This year we leave the air May 21, to resume broadcasting September 9, with our customary 100-hour marathon broadcast. Again, thank you for your interest.

640 on your campus dial
103.5 on your fm dial

Sincerely,


Hurst K. Groves, eng.
tech.