

HEADQUARTERS
525TH AIR DEFENSE GROUP
New Castle County Airport
Wilmington, Delaware

2 June 1955

Mr. William E. Thornton
Air Proving Ground Command
Eglin Air Force Base
Florida

Dear Bill,

We have your rig and I want to thank you for all the trouble and effort you went to in arranging for it to be done so expeditiously and so successfully. I spoke to Major Weill on the telephone this morning and he seemed to be very interested in the results. We have had excellent results and I am inclosing the first runs that we have made. This is your copy and it is not necessary to return it.

We have inclosed the scope film, the 35 millimeter film for two different days, and a glossy print of the frame before the coincidence, the coincidence frame, and the frame after coincidence with information on the back. This is the first run on my airplane. As you notice in the film and by the negatives, we are off in azimuth what we consider to be about 35 to 40 feet. Of course, the scope film is not perfect film but I don't fly it that way - not by choice, but by lack of ability, I guess. After we assessed these first runs, we ran a complete computer alignment, made some adjustments to take out the 40 foot azimuth missed, and fired again. As you can see on the second firing day, the run was very successful. It was evidently on perfectly in azimuth and in elevation because I shot the 5-foot 5-inch bomb off.

In my opinion, your gadget in this case increased our accuracy 100 per cent. As we get more film and more results, I will mail to you as I have in this case for you to keep, a copy of the scope film, a copy of the 35 millimeter film, and also a print of the frame prior to coincidence, coincidence, and the one after. If you want any other information, please let me know.

I want to say again that I sure appreciate your help and everyone elses' help from down there. I believe this gadget is going to make us the winning team if we can manage to keep the radar in commission and the airplanes.

Sincerely,

Ben