



Your Host WA2AXO May 21, 2019

Those who showed on the repeater were, WA2AXO, W2TE (Walt),
Walt was busy turing over the soil in his garden. He took a break to talk with me.
Missing Dick K2RIW here on Tuesday. See you next week all.

I will be on the air Tuesday's on 146.685 MHZ (PL 127.3) at 12PM EDT.
This is the Great South Bay Radio Club Repeater
Please note that the PL has changed. This is a site that will link the GSB
repeater. Good if you live in the west of the repeater.

_Had a real nice Mothers' Day. Daughter Kathy and her husband were down from LI for the week.
Although most of their time was spent furnishing and decorating (inside and out) their new home here in
Okatie (about 15 minutes away) we got to spend a lot of family time together also. Son Billy had us all
over for a homecooked Mothers' Day dinner. Nice having family so close. Oldest daughter, Mary, who is
in Hawaii called and related what a great time they were having on Maui. Donna and her husband are in
the middle of a move from Ohio to VA but found time to make a quick visit here. The weather
cooperated, only had one day with showers.....

Kay Ranta

Frank Edden's home in spring in Vermont..



From the History of US Electronic Warfare

The Germans surrendered in May 1945, and almost immediately ABL-15 began to transfer men and materials back to the US. Since it was believed by most high ranking officers that the 8th Air Force would be transferred to the Pacific Theater of operations, this led to a final high priority task for the laboratory, as J. Gregg Stephenson recalled:

“The war in the Pacific was still in progress, and ABL-15 was asked to assist the 8th Air Force in investigating the effectiveness of US jamming techniques against the British Gunlaying Mark II radar. The reason for the interest in this set, was that the Japanese had captured some GL Mark IIs in 1942, and had based the design of their own TA (Tachi) Model 3 gunlaying radar on it (in fact the radars captured were all badly damaged; the TA Model 3 had been based on captured technical manuals). By that time, the GL Mark II was a pretty old radar. It had been developed in 1939 and 1940, and worked on individual fixed frequencies in the 55 to 85 MHz band. Because the Germans had no fire control radars working at such low frequencies, ours was to be the first full scale controlled test of Rope against a radar in that part of the spec-

trum. A Royal Artillery anti-aircraft site at Humberstone on the coast near Grimsby, with two GL Mark IIs, was made available to us for the test, and a modern American SCR-584 microwave gunlaying radar was brought in as a control for the tests. The 100th Bomb Group (3rd Division, 8th Air Force), based at Thorpe Abbots, provided formations of B-17s.

Two 8th Air Force officers, plus Milton Adams and myself from ABL-15, planned and conducted the GL Mark II tests. With a well-planned program and good VHF communications between the AA site and the bomber formations, we coordinated more than 43 flights and approaches by the 100th Bomb Group over a period of two weeks in June and early July, using formations of 10 to 12 B-17 aircraft. The initial runs were made at various altitudes without countermeasures, to determine the inherent accuracy of the GL Mark II using the more accurate SCR-584 as control. We found that the basic angular accuracy of the GL Mark II averaged about $\frac{1}{2}$ degree in azimuth and elevation, and range accuracy was within 100 yards up to its maximum range of 34 miles. Then, on following days, flights were made dispensing Rope at various rates; sometimes from the formation, sometimes from a screening aircraft sent ahead of the formation. Extensive tests were then made using the ARQ-8 noise jammer in both the spot and barrage jamming modes (this jammer, which covered the 25 to 100 MHz band, had originally been designed as an airborne communications jammer; hence the designation in this category). We found that a combination of lots of Rope plus the noise jamming would throw the GL Mark II completely off target. With an approximate fix from the SCR-584, however, the old British radar could sometimes DF on the jamming, and by assuming a constant altitude, the firing computer could come up with an approximate range. Under such conditions, the best accuracy was reduced to 2.1 degrees in azimuth, 2.7 degrees in the elevation and about 750 yards in range — not good enough for an accurate engagement with guns. If there was insufficient jamming or Rope, the GL Mark II could track the formations quite effectively. Considering it had been designed so much earlier, before anyone had much idea of what types of countermeasures might be used against it, the radar performed remarkably well. However, its poor antenna directivity made it quite susceptible to jamming into the side and back lobes. We finished the test on July 5, and wrote our report which was sent to Washington. However, it was too late to have any influence on tactics before the Pacific War ended in August 1945.¹⁵

Chapter 13

There were a few other loose ends to tie up at ABL-15 before the laboratory closed its doors for the last time. As John Dyer recalled:

“Throughout much of my time at ABL-15, Gene Fubini had been working at ‘Pinetree’ — the 8th Air Force Headquarters just outside London — passing us the latest information on what the Germans were doing, and pushing the countermeasures side of things there. Immediately after the war in Europe ended, an 8th Air Force general called on us at Great Malvern. In a simple but moving ceremony, he presented Gene with the shoulder bars of a 5-star general (this was before the rank had been officially introduced; when even the Chief of Staff of the Army wore only 4 stars). At ‘Pinetree,’ Gene had gained the reputation of ordering everyone around, so they figured it was time to make it official!”³

News from Paul

[Please keep the news coming.....](#)

We are enjoying the nice weather here.

The first Wednesday of the month Lunch will be held at:

Hibachi Grill and Supreme Buffet
1114-1116 Deer Park Ave
North Babylon, NY
(631-274-0888)

On the webpage now we have Eaton AIL Record **October 1985**
New May 21, 2019

On The Web Page

AIL Records.

April 1982

June	1982
July	1982
August	1982
September	1982
November	1982
December	1982
February	1983
June	1983
July	1983
August	1983
January	1984
April	1984
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January	1985
March	1985
April	1985
May	1985
July	1985
August	1985
September	1985
Eaton July	1985
Eaton October	1985
October	1985

Please be reminded that you can find the AIL Retiree News Letter on my web page on Tuesday.
Click below for the web page

<http://pauls-page.com/index.htm>

If you cannot click and bring site up then type it into your browser.

Please remember that your news could be in this newsletter. Let friends know how you are doing. I am sure they would like to know!

KEEP THE NEWS COMING PLEASE!

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Our lunch meetings are held the first Wednesday of each month. Held at
Hibachi Grill and Supreme Buffet
1114-1116 Deer Park Ave
North Babylon, NY

Retiree breakfast gatherings are held every Thursday at 8:30 AM, Olympic Diner on Deer Park Ave in Deer Park

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Note: I am putting anything that tells a story about the history of AIL on my web page. Please if you have any relative information, please send it to me. Thank you.

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Send photos either by e-mail, attachment (jpg or gif or pdf) or via regular mail. (I have a scanner)

My address is:

18 Burton Lane

Massapequa, NY 11758-5314

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The opinion expressed by a member is not necessarily the opinion of your host. That is all the news I have from here, so best wishes to all, Paul.

My E-mail paulcl@bellatlantic.net

Web Page <http://pauls-page.com/index.htm>