



Your Host WA2AXO January 15, 2019

Those who showed on the repeater were, WA2AXO, KD2QNZ  
I was not doing well getting into the repeater today. Some days are better than others.

I will be on the air Tuesday's on 146.685 MHZ (PL 110.9) at  
12PM EDT. This is the Great South Bay Radio Club Repeater.

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This from The history of Electronic Warfare

Joe Kearney recalled the mood at RRL at this time, and how he spent his final months with the organization:

“With the end of the war, there was a great exodus of people from RRL. It was clear that the facility would soon close, and people were scrambling to snap up the good jobs outside. John Byrne (RRL’s Chief Engineer), came up to me one day and said, ‘Before you make any definite decision about a job, please come and see me. I may have something that will be of interest.’ I said that I had no plans, and was interested to know what he had in mind. He told me that several of those with whom I had worked at RRL — Joe Pettit, Matt Lebenbaum, Gregg Stevenson and some of the others I knew well and held in high regard — were moving as a team to the reformed Airborne Instruments Laboratory on Long Island; by then a wholly-owned subsidiary of American Airlines. The Navy wanted the development of the APR-9 completed, and AIL had received a contract to get it ready for production. I said that I was very interested in the job, and asked to be included in. As I was preparing to go, however, there was one piece of unfinished business I had to take care of at RRL.

The AIL\Collins **AN/APR-9** was a [radiofrequency receiver](#) produced in the [United States](#). It saw versatile use in various roles, including electronic intelligence ([ELINT](#)), [electronic warfare support measures](#) (ESM) and [radar warning receiver](#) (RWR) equipment.

Its frequency range is 1,000–10,750 [MHz](#).

It saw [airborne](#) use mounted on [RB-50G](#), [A-1](#), [B-52](#), [B-57](#), [EB-66](#), [EC-121](#), [P-2](#), P-5, [S-2](#) and [AF-2W](#) and RB-36 aircraft and [ZPK](#) airships. It was the prime receiver on RB-47H ELINT aircraft for several years. It also has been used ground-based, when referred to as **AN/MLQ-24**.

*Note: The RRL was the Radio Research Laboratory*



Betty and Gregg Stephenson Dated 2002, may they both RIP.

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AIL: accomplishments:

" Invented around the mast rotary joints for height finding radars.

" Pioneered in strip line and applied it to a variety of ESM and ELINT receivers.

" Was a leader in microwave low-noise amplifiers aided by our state-of-the-art in-house varactor capability. Our hardware was used on Skylab and the Space shuttle.

" Was a leading supplier of microwave masers and superconductive components. Many radio astronomy observatories throughout the world used our devices.

" Was an early developer and manufacturer of SAW channelized receivers; they were used in the ALQ/161. It was the most extensive use of SAW technology for military applications at that time.

" Made many original contributions to microwave filter design. Our filters were used in the Space shuttle.

" Pioneered in millimeter and submillimeter wave technology. This has contributed to EDO being a competitor in space electronics.

" Developed advance infra-red receivers and pioneered in room temperature detection using AIL developed MOM diodes.

During the 50's and 60's AIL published one-page monthly articles in the IEEE Spectrum; they were known as the Page Four Ads. These articles gave a world-wide readership an awareness of our accomplishments.

This work, as well as our systems expertise, resulted in many of AIL's engineers being given the Fellow Award by the Institute of Electrical and Electronic Engineers. It is an award for distinguished contributions given to very few engineers. The list speaks for itself.

Frank Arams, Paul Meier, David Bresler, Richard Mohr, Joseph Calviello, George Comstock, Herman Okean, William Caputi Seymour Okwit, John Dyer, Karle Packard, Charles Fowler, James Perry, John Pierro, Winfield Fromm, Eugene Sard, Eugene Fubini, Bernard Salzberg, Henry Jasik, Hector Skifter, **Matthew Lebenbaum**, Robert Steven, George Litchford, Jesse Taub, Peter Lombardo and Warren White.

Space does not permit me to list the many other excellent AIL engineers and technicians who contributed to this wonderful legacy. Any additions to this list of AIL's technology accomplishments are welcomed.

Jesse Taub

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### **News from Paul**

I wish to thank all who wished me speedy recovery. I am on the mends and have taken up some of my duties.

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 AIL Record **June 1983**  
New January 15, 2019

### **On The Web Page**

#### **AIL Records.**

<b>April</b>	<b>1982</b>
<b>June</b>	<b>1982</b>
<b>July</b>	<b>1982</b>
<b>August</b>	<b>1982</b>
<b>September</b>	<b>1982</b>
<b>November</b>	<b>1982</b>
<b>December</b>	<b>1982</b>
<b>February</b>	<b>1983</b>
<b>June</b>	<b>1983</b>

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.

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](mailto:paulcl@bellatlantic.net)

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