

QUA - RAE

ERIE'S FINEST AMATEUR NEWS BULLETIN

VOL. II NO. 11

JUNE 1971

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CO-EDITORS

Mike Hall 833-9649
Rick Robishaw 864-1820

CONTRIBUTORS

Bob Bair 725-9226
Chuck Smith 868-3138
Chuck Manross 455-8829

Business Meeting June 3 Tour of First National Bank Computer Center June 24

FIELD DAY June 26

RADIO ASSOCIATION OF ERIESERVING AREA AMATEURS OVER 25 YRS.

Radio Association of Erie, Inc.
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L. H. JETER W3HTD
434 VERMONT AVE.
ERIE, PA. 16505

JOIN THE "RELIABLE AMATEURS OF ERIE"

***** RAE MINUTES *****
May 6, 1971

The meeting was called to order at 8:05 PM by President K3UPC.

Officers present: K3UPC, WA3MAU and WA3KAI.

Directors present: WA3GIV, K3VLP, WA3HDK and W3KPM.

The March minutes were read and approved.

The new treasury balance after paying bills was \$162.98.

Before proceeding with the meeting, WA3GIV announced the appointment of WA3HSR as Vice President and Activities Chairman, to replace K3VXE.

CORRESPONDENCE: The following correspondence was turned in by WA3HSR:

- (1) Letter from Dr. Sheldon's wife, advising of donation of electronic equipment to RAE. Secretary to write letter to Mrs. Sheldon declining donation and suggesting her giving it to McDowell High School Radio Club.
- (2) Appreciation note from Mrs. Sheldon.
- (3) Several advertising bills (classified ads for auction)
- (4) Bill from RNS Printing (for QUA-RAE pictures)
- (5) Addressograph statement of account.
- (6) Acknowledgement of use of City Council Chambers for May 10 meeting.
- (7) Acknowledgement from Carl Mosley.
- (8) Several QSLs from county expeditions.
- (9) Two new memberships.
- (10) ECARS and Lake Rangers news bulletins.
- (11) Letter from WA3GSH (EC) on WA3KUV repeater status.
- (12) Hamfest flyers (passed out for review)
- (13) Letter from Lake Rangers Two Way Radio Assn. on their Jamboree.
- (14) Letter from AMSAT declining invitation for activities meeting at this time.

K3VLP advised members of his conversation with K3AFO regarding the letter sent to him last month.

ACTIVITIES: WA3HSR and W3ZLO reported on the following activities:

- (1) May 10 - Special Activities meeting at City Hall with Carl Mosley.
- (2) June 18-19 - Communications booth at Ramada Inn for Pa. State DeMolay Convention.
- (3) June 26-27 - ARRL Field Day Competition-openings still available.
- (4) July and August - possible NASA speaker and tour through FNB computer center.
- (5) Fall meetings with speakers from Air Force MARS also speaker on radio telescopes.
- (6) Films also available for viewing later on.

W3ZLO reported on ARRL activities to date and indicated that all correspondence received will be available for viewing after the meeting.

WA3HSR reported that new memberships are still coming in. Six were taken at the auction and two more were mailed in. Mike also reported that the revised directory is in the process of being transferred to masters for printing. Also, with better printing methods, the QUA-RAE hopes to again feature the "Ham of the Month" column.

WA3GIV elaborated on the recent CD Driveout, which turned out to be a success. As conditions were not good, they had trouble with the different bands. 2 meter hookup

***** RAE MINUTES *****
(continued)

was not accomplished. Fred also reported that the equipment at EOC needs reorganizing after the past DX Contest.

W3KPM had nothing further to report on CD as WA3GIV covered everything. Tom had W3SN's RACES renewal.

W3ZLO advised that K3WTZ's QTH was selected for the two mwtter receiver site.

WA3HDK reported the auction was a success, however, as several bills were still outstanding, he could not give a financial report. After much discussion, K3VLP made the motion, "to table the auction committee report until the June business meeting." This motion seconded by WA3LSY was voted on and carried.

OLD BUSINESS: K3VLP advised that he would need help to man the communications booth at the DeMolay convention. George would like to know who will help, no later than the June business meeting.

WA3HDK reported that W3SN could not attend the May meeting and hoped to see everyone in June.

NEW BUSINESS: After discussing the Lake Rangers request for a communications display at their Jamboree this year, WA3HSR made a motion, "that the RAE set up a communications booth at the Lake Rangers Jamboree on July 31 and August 1." This motion was seconded by WA3LSY voted on and carried.

WA3HDK also made a motion^{sponsor} "that the RAE/a one half page advertisement in the Lake Rangers Souvenir program for \$25.00." This was seconded by W3ZLO, voted on and carried.

WA3HSR indicated that since he was appointed to handle activities in K3VXE's place, both publicity and activities would be too much for one individual to handle. WA3HDK, W3ZLO and WA3LSY agreed to assist WA3HSR on those functions.

K3VLP elaborated on his conversations with W3BRB and W3ALD for having a contest between the RAE-PARC-LSARC and the Corry ARC as part of Field Day Competition. George turned ideas over to FD chairman WA3HSR to finalize.

W3ZLO elaborated on K3VXE's visit to the hospital. Ron won't be on 40 meters for about a week.

There were 18 members and one guest present.

The following bills were turned over to the Treasurer for disposition:

- | | | |
|-----|---|-----------|
| (1) | Classified advertisement-Cleveland Plain Dealer | - \$16.16 |
| (2) | " " -Pittsburgh Press | - 3.42 |
| (3) | " " -Buffalo Corrier | - 15.20 |
| (4) | " " -Erie Times News | - 23.74 |
| (5) | RNS Printing | - 4.72 |

A motion for adjournment was made at 9:10 PM by W3ZLO, seconded by WA3MAU, voted on and carried.

Respectfully submitted,
Chuck Manross, WA3KAI 5-18-71

***** TRANSMITTER HUNT *****

The May transmitter hunt became one of the most well attended on 10 meters while mobile activity on 6 dropped off considerably due to the switch of many 6 meter mobiles to 2-FM. W3ALD and K3PLV were the two hidden transmitters. They were north of I-90 and west of I-79. This left open a huge area of Millcreek and only a few blocks of city property. WA3HSR armed with the HW-100 mobile, WA3LSY, K3VLP and the TR-4, W3HLM and the invincible loop and W3ZLO with K3VXE navigating made the action on 10 meters while only Dave, WA3EZN showed on 6 with his new muffler shining. Most of the mobiles found their way into the vicinity of Zuck Park or Our Lady of Peace Church. K3PLV with the HA-410 and Hustler put out such a good signal that WA3LSY must have went to Fairview. The HW-100 of WA3HSR quit running and Mike returned home to find a paper clip lodged between a capacitor and a tube socket. Removing the paper clip brought Mike back into the hunt. Meanwhile Chuck, W3ZLO and Ron, K3VXE decided to try their luck in the hunt. W3HLMs loop was zeroing in and K3VLP was following Don. The big clue came when the group announced that they were in the City of Erie. The search quickly narrowed in to a few blocks between I-79 and Pittsburgh Ave. Nearly all of the hunters in the area made their way to the FNB computer center where the signals seemed to be coming from. Meanwhile, W3ZLO coming from the other direction, stumbled onto the site first. It was located down a dirt road right behind the Computer Center, but only accessible from Grandview Blvd. WA3HSR and W3HLM followed with K3VLP and finally WA3LSY on his way back from Fairview. While all the blundering was going on on 10 meters, Dave WA3EZN pulled up to Myron, W3ALD about the time that WA3HSRs rig went out.

All in all this transmitter hunt produced some of the best competition because of the increased number of mobiles. Why don't more of you 6 meter mobiles get in on the fun? Next hunt will be on June 20 at 6:30 PM. W3ZLO and WA3EZN will be the hidden transmitters. The scores to date are as follows.

<u>10 METERS</u>		<u>6 METERS</u>	
W3HLM	46	W3ALD	50
K3PLV	42	K3ATZ	25
WA3HSR	24	K3QAY	20
K3VXE	11	WA3EZN	15
W3ZLO	11	WA3ISN	9
WA3LSY	8		
K3VLP	6		
WA3GIV	1		
WA3GUL	1		
WA3QAT	1		
WN3QVS	1		

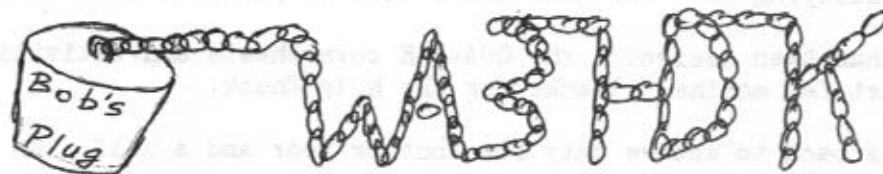
SALE, SWAP OR BUY

FOR SALE: 10 meter mobile. AM only. Xtal transmit with tunable regen receiver. 4 xtals included incl. 29.150 and 29 MHz. Whip antenna and pwr supply included also.

CALL: WA3HSR Mike Hall 833-9649 evenings after 6 PM

***** STRAYS *****

- K3VXE Ron will be returning to Fort Belvoir, Va. after a short leave following his operation. Look for Ron on ECARS trying some new ideas for apartment antennas, and mobile on Monday, May 31 on his way back.
- WA3FFD Thanks to Jim's camera, pictures of the repeater and Carl Mosley will appear in our next issue. The camera of Chuck, W3BVM had a dead flash battery for the meeting!
- WA3FUV and K3ASI Welcome to Don and Dave from Conneaut Lake and Centerville as the latest 1971 RAE members.
- WA3HRJ We all hope that Jim is recovering from his recent heart attack. We will miss Jim's fine operating ability on Field Day.
- K3UPC Hey John, we hear you finally found out the problem with your 41-V. Was that a 6AK5 . . . or maybe a 6BG7 . . . maybe the xtal isn't even oscillating!
- WA3LTB Terry recently took his advanced test and we hope he had better luck than your editor!
- WN3PVU Bob will soon be sending WA3PVU as soon as he gets that ticket he recently qualified for (General).
- W3SN Bart has been checking into LEEN lately. This is Bart's first 10 meter activity in many years.
- K3PAJ Frank announces that Chuck, W3ZLO will be NCS on LEEN in June.
- K3PLV Craig's Hustler was recently demolished by a low flying truck on Peach St. We're glad he saved the rig and wasn't hurt.
- WA3JAT Jim reports that he will again be active on 40 meters with his flat dipole. Jim will still be trying to sell some of his gear to buy a better transceiver.
- W3HLM Don was buying gear like mad at the Breezeshooters gathering in Pittsburgh.
- W3YWL Doc has threatened to take the tooth pullers to that rig.
- WA3MAU Joe is still working on that 41-V, and that 40 dipole should go up soon.
- WA3HDK For the past several months, Bob has asked, begged and pleaded for a plug in the QUA-RAE. This month we decided to put an end to the please. So here Bob is your plug!



***** STRAYS *****

- WA3HJC Lee, now in Adak, Alaska will be checking into the Confusion Net at 0100 GMT on 21.4 MHz looking for Erie and phone patches. He will be using KL7AIZ. Lee's new address is:
Wayne Robinson ETNS
U.S.N.C.S. Adak
Box 10 Dorm J
FPO Seattle, Washington 98791
- WA3MKT New address for Rick in service with the USAF.
Airman Cutter FR168949257
PSC 5563
Chanute AFB, Illinois 61868
- WA3COS Dave passed his advanced test on May 21 with flying colors. He hopes to try for the Extra later this summer.
- WA3QAT Barry now sports this new call with his General ticket. Barry looks foreward to phone activity.
- W3YX Tom recently acquired a NC-155 receiver through the QUA-RAE SSB ads.
- W3CUV With Neal trying to get active on 15 SSB to meet WA3HJC, maybe he'll start being a regular on LEEN.
- WA3HSR After failing the advanced, Mike will try again on July 16. Any riders who want to come along are welcome.
- K3WTZ Hey Bob, which boy likes to pull wires out of fuse boxes?
- W3BRB John will be operating from Monaco later this month giving out that country to hungry DXers.
- WA3ISN Rick recently got a 2-FM rig at the Rochester Hamfest. He will be mobile as soon as he gets it working.
- K3VLP George will be attending the County Hunters convention in Kansas City, Mo. over the July 4 weekend. He and WA3HSR hope to operate KCØKC, a special call to be used during the convention. W3GV may operate mobile to and from the affair.
- W3NXX John is said to be looking for someone to take his extra test for him. HI
- WA3LSY Rick is having problems getting output out of his new HW-101. Rick is said to be studying hard for that extra test he plans to take on July 16.
- WA3KAI Chuck has been designing the QUA-RAE coversheets and activities calendars the past few months. Thanks for the help Chuck.
- WA3AGM Dave is back to active duty for another year and a half. He looks foreward to late 1972.
- W3ZLO Chuck hopes to have the complete 19-79 repeater on the air soon.

***** We Need Help *****

We need help in order to continue the Tech Talk articles. If you have any topics of general interest that you would like to see in the QUA-RAE let us know. What we need are topics that we can research and write on. Do you feel that you have some literary talent? If so why not write an article of your own for Tech Talk. Contact Bob Bair, WA3HDK, or Rick Robishaw, WA3LSY, if you think you can help us.

***** Assistant Directors Notebook *****

First, may I send congrats to PARC for receiving their affiliation with the ARRL. Since this is a time that we all must stand together to keep what we have in the way of bands and privileges, this grant by Headquarters will no doubt raise the total membership somewhat.

Second on my list is the note left by K3VLP reminding me to pass along the request for operators at the DeMolay Convention. This convention, mentioned elsewhere in the QUA-RAE, is a chance to let some fine young gentlemen know a little more about Ham Radio. There is a good chance that the "Ham's Wide World" film will be available for a number of showings at the convention.

The RAE will also have a station displayed and will be actively handling messages for the boys.

Plans are being made to visit some of the other clubs in the Tri-state area this summer to gather information on their activity and business. Anyone who would like to attend any of these meetings may come along.

73
Chuck

***** Care and Feeding of 94 *****

With the coming of the Summer months we start to see more and more mobiles on the road using the repeater and more portables on the air. With the release of this item in the QUA-RAE I am happy to announce the addition of the 19 input channel and a 79 output. While these channels are not yet available for general use by the repeater users, they are on the air and as soon as the controller has proven that it is able to work as it is designed to, the other input and output will be available. The procedure in using these channels is somewhat different than in the 34-94. Since our repeater is a

basic 34-94 combination a 34 input will cause a 94 output and the repeater will stay on 94 until it is tone commanded to 79. This means that base stations on 19 can talk to mobiles on 34 using the 94 output. This process will take place providing that the 34 was the first one on. Conversely, if the 19 is the first signal on the repeater the machine will identify on 94 and then move to the 79 channel if not tone commanded to stay on 94. Once the machine goes to 79 the 250 watt amplifier will come up, this too can be tone commanded for use on 94. Though it may sound somewhat confusing it is mostly automatic for the user, and for those who understand it and have the proper tones, it is commandable.

In passing may I welcome WA3ISN to the happy group of 2 meter gabbers and pass a big "Well Done" to Alex and the Ashtabula group. WA8EUR with its 500 watt voice on 76 is now located south of Ashtabula and can be heard loud and clear in Rochester New York. (All mouth and no ears??)

73
Chuck

***** Bits of Humour *****

You can meet friends everywhere, but you cannot meet enemies anywhere. You have to make them.

"I don't mind going to work," said the secretary. "It's just that long wait until quitting time that bothers me."

Mother to her teenage daughter: "You had better get your hair cut, you are beginning to look like a boy."

Many women are now reported to be getting men's wages. Haven't they always?

In a Way the Russians are quite helpful. If we didn't have them, how would we know whether we were ahead or behind?

All men are born Equal—but some get married.

As an extra feature this month, the QUA-RAE presents a puzzle which may take you the entire month to complete. / Included in the block of letters below are the names of all 50 states. See if you can find them by the time June rolls around!

S T T E S U H C A S S A M T R S M Z A O R U
R E T S K C I K P L B V R S Y A V E M A A W
A N O Z I R A I N I G R I V T S E W I D N Y
A I N R O F I L A C U A Z X Y S R G N I A K
N O T G N I H S A W L N A B S T M E N R I C
S O U T H D A K O T A N E E J J O O E O S U
M A R Y L A N D L M I H N W N O N R S L I T
O P U T A H R S T L N N U E J V T G O F U N
A K A X H O A W O I E Y Z A V E R I T S O E
K R L S B C D R E T F C I J K A R A A X L K
S O A A I N A V L Y S N N E P M D S N O P E
A Y S X H C S R N A G I H C I M N A E T U R
R W K E H O W Y O M I N G V S A X Y S Y A H
B E A T C E M F I L G H T I K L I K I E O O
E N U K L M N A H M I H E R C A R T N H D D
N O R T H D A K O T A N A G L B N I D U A E
S R I R U O S S I M I T A I S A A S I K R I
N E W H A M P S H I R E B N O M O R A E O S
X G I P P I S S I S S I M I V A W V N S L L
Y O C I X E M W E N D E L A W A R E A Z O A
X N I S N O C S I W R T S A N A T N O M C N
T T U C I T C E N N O C S I O N I L L I X D

Oh well! If you can't find all the states, you can always send the letters as groups for good CW practice. If you have any tricky puzzles and would like to share them with other readers, send them to us and we'll be glad to use them.

JUNE 1971

SUN.	MON.	TUES.	WED.	THUR.	FRI.	SAT.
		1	2	3 RAE BUSINESS MEETING 8:00 PM	4 CHC/FHC/HTH "QSO" PARTY	5 CHC/FHC/HTH "QSO" PARTY
6 NETS 6 & 10 Meters CHC/FHC/HTH "QSO" PARTY	7 CHC/FHC/HTH "QSO" PARTY	8	9	10	11	12 ARRL VHF "QSO" PARTY
13 NETS 6 & 10 Meters ARRL VHF "QSO" PARTY	14  FLAG DAY	15	16	17	18 W3GV at State DE MOLAY CONFAB.	19 W3GV at State DE MOLAY CONFAB.
20 NETS 6 & 10 Meters FATHERS DAY	21 Summer begins	22	23	24 RAE Tour thru F.N.B. COMPUTER CTR. 8:00 PM	25	26 ARRL "FIELD DAY"
27 NETS 6 & 10 Meters ARRL "FIELD DAY"	28	29	30			

OTHER "DATES" TO REMEMBER.

JUNE 3: RAE BUSINESS MEETING 8:00 PM at RED CROSS BUILDING.
 JUNE 5 & 6: ARGENTINA "PHONE" and "CW" CONTEST
 JUNE 19 & 20: PAN AMERICAN GAMES.
 JUNE 20: RAE 6 and 10 meter TRANSMITTER HUNTS.
 JUNE 24: RAE "TOUR" thru FIRST NAT. BANK COMPUTER CTR. 38th & PHS. AVE. 8 PM
 JULY 3 & 4: COUNTY HUNTERS CONVENTION at KANSAS CITY, MO.
 JULY 23 & 24: COUNTY HUNTERS "CW" CONTEST.
 OCT. 2: RAE ANNUAL HAMFEST (More on this later.)
 OCT. 9 & 10: R.S.G.B. (BRITAIN) 28 MHz "PHONE" CONTEST.
 OCT. 30 & 31: CQ WORLDWIDE "PHONE" DX CONTEST.
 NOV. 6 & 7: R.S.G.B. (BRITAIN) 7 MHz "PHONE" CONTEST
 NOV. 27 & 28: CQ WORLDWIDE "CW" DX CONTEST

JOIN THE R.A.E. TODAY
WHERE ALL THE ACTION IS!

ACTIVITIES

Final plans for Field Day will be made at the June 3 business meeting. We have operators for 75, 40 and 20 meter SSB but could use some additional definite commitments on 6 meters. The novice station will be running strong also. No CW ops offered their help in setting up a CW station of 40 meters so W3GV will go at it with 4 stations and a Novice rig. We have many back-up rigs this year in the form of HW-100s and it is hoped that the weatherman will cooperate with good weather as he did for last year. Adequate shelter will be available however.

This year, the Radio Association of Erie, Inc. challenges all Erie County clubs to beat them on 40 or 75 SSB. An award will be issued to any club who accomplishes this impossible task. The total number of contacts on 40 and 75 will be the deciding factor. These two bands were chosen for the challenge because it was felt that 40 and 75 were universally worked on Field Day. We have already received word that the ISARC will be out to claim that award. Lets hear something from the other clubs in the county.

An activities meeting will be held on June 24, 1971 at the First National Bank of Pennsylvania Computer Center at West 38th and Pittsburgh Ave. along I-79. The meeting will consist of a guided tour through the facilities and a question and answer period pertaining to the operations there. Coffee and donuts will be served after the tour. It will start promptly at 8:00 PM. We wish to thank Mac McIvor, W3AQY, one of our trustees for setting up the tour at this time. Pass the word and bring a friend to this very informative and educational meeting.

All interested persons are invited to visit the RAE booth at the DeMolay Convention the weekend of June 18,19. Rigs will be set up on 40 meters with ECARS being used to demonstrate the purpose of amateur radio. It is planned that a film will also be periodically shown to introduce those in attendance to the hobby.

THE FINAL FINAL

This summer promises to bring a close cooperation between the RAE and the Lake Rangers Two Way Radio Assn. of Citizen's Band Radio. Both clubs will be working to improve their relationships and shorten the gap that traditionally exists between amateur radio and CB. The RAE display at the Jamboree will be designed to introduce the onlookers to amateur radio. We also wish to thank the Lake Rangers for their help in publicizing the recent RAE auction. This may be a summer to remember.

We are still looking for help in writing articles for the QUA-RAE. It is hoped that with the arrival of summer, some of our readers will find the time to sit down and send in an article about anything or just a few strays. The QUA-RAE is the news-bulletin of the RAE, no of just 5 or 6 of its members. If you don't submit articles, you aren't really getting the news of the RAE. It is up to you, this is your newsbulletin, and we need your help in giving it to you each month.

We hope to see you all at Field Day and participating in the upcoming activities. We are still looking for that first written article for the writer award.

73s Mike WA3HSR