

Affiliated with the "American Radio Relay League"



ALLIANCE

AMATEUR

RADIO CLUB



ZERO BEAT

JUNE 1989

XX

OFFICERS

Pres. Dave Buckwalter KC3CL
V.Pres. Gary Grimes KB8GAB
Sec'y. Gladys Wilson KB8GIA
treas. Patti Hillier KE8KH

TRUSTEES

Larry Hillier N8EWV
Jim Ferguson N8DZA
Larry Ashburn KE8VE
Editors D & J Barber KB8GCF/KB8GCE

XX

The next meeting of the Alliance Amateur Radio Club will be June 1st.
At the Alliance Community Hospital, second floor, room B, at 7:30 PM.
Visitors are always welcome.

From the Editors

As you may know, this month you have new Editors, before we say anything about ourselves, we wish to thank Pam, N8IAK for the excellent job she has done in the past, also for the help in putting this our first edition together.

We are both novice class operators, received our tickets in January after taking the Novice Course done by John Myers and Jim Ferguson. We intend to upgrade to Tech/General in the near future. I am originally from England, I came to this country in 1975 after completing 13 years in the Royal Navy. I am a Chef by trade.

Our interests at this time are in the HF bands, both Janice and I have done quite a bit of DX on 10 meters. We share our rigs, a Heathkit HW 104 and Kenwood TS430S, and are both equally active on the bands, though Janice does have the edge on me when it comes to code, She practices nightly with a friend in Youngstown and has made a couple of CW contacts. I have to get cracking and 'Ground' my mic.

We would like to see articles, views, technical info., a quiz or two, and things of general interest from all members, and in fact from anyone interested in Amateur Radio and the Club.

Don't be afraid of being controversial, that is the stuff that makes a newsletter interesting and provokes response. I will bring up some controversial subjects from time to time, in fact, Janice many times has to edit me. Our views and comments are strictly our own and do not represent the views of the Club, the ARRL or any other body. Please keep this in mind when responding to any view we may present.

If we are quoting from QST, the Club or any other body, we will clearly state it as so

I am beginning my fourth year as treasurer for the Alliance Amateur Radio Club, Inc. I appreciate the continued help, support, and encouragement that I have received from everyone, especially through this past year. When I had to miss several regular business meetings for my Police Academy classes, I received enough help and patience from the club members to keep up with the finances.

I am very proud to serve the AARC as an officer and will continue to give the job my best efforts. I congratulate the other newly elected officers and look forward to working with them toward a bigger and better year. Thank You all, for your confidence and help.

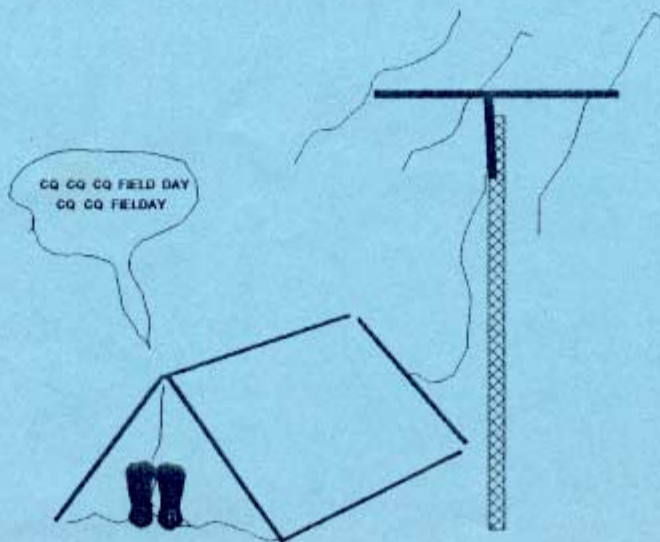
DUES ARE NOW DUE for the 1989-1990 fiscal year. dues are as follows:

Sustaining Member	\$15.00	full membership privileges plus honor roll status
Full Member	\$10.00	voting, office--holding, & newsletter privileges
Associate member	\$ 5.00	non-licensed, non-voting, non office holding members, interested in support with newsletter
Family member	\$ 1.00	Licensed family member living in same household as paid-up full or sustaining member, to receive full privileges, one newsletter per residence will be mailed

RAFFLE RESULTS

Jim Wilson/KB8GHZ of N Canton won the TV, Jack Kimpie of Columbiana won the VCR & Julius Erdos/KD8XD of N Canton won the Telephone. Our fund raiser/raffle was again a great success. The gross amount recieved from ticket sales was \$979.00. That nets the club treasury \$399.00. Thanks to all who sold and bought tickets to support the club. Thanks to N8HHV for donating the tickets and KC3CL for organizing the raffle.

The estate sale is also doing very well. Gross income to date is \$751.37. Table rentals, and other expenses have been paid thus far. We will be wrapping up this project soon. See KC3CL with your ideas, parts needs, and volunteer schedule.



Could it be KA8CIY (WI8T) ??

NOTE FROM TRUSTEE--NBEWV--Larry Hillier

BAND PLAN INFORMATION

The "Considerate Operator's Frequency Guide"

Some frequencies are generally recognized for certain activities (all frequencies are in MHz)

1.800 - 1.830	CW, RTTY AND OTHER NARROW-BAND MODES		
1.830 - 1.840	CW, RTTY AND OTHER NARROW-BAND MODES		
	INTERCONTINENTAL QSO'S ONLY		
1.840 - 2.000	CW, SSB, SSTV AND OTHER WIDE-BAND MODES		
	INTERCONTINENTAL QSO'S ONLY		
1.850 - 2.000	CW, PHONE, SSTV AND OTHER WIDE-BAND MODES		
	3.590 RTTY DX	18.068 - 18.110	RTTY-PACKET-AMTOR
3.610 - 3.630	RTTY	18.110 - 18.168	SSB-SSTV
3.790 - 3.800	DX WINDOW	21.070 - 21.100	RTTY
	3.845 SSTV	21.340	SSTV
	7.040 RTTY DX	28.070 - 28.150	RTTY
7.080 - 7.100	RTTY	28.200 - 28.300	BEACONS
	7.171 SSTV	28.680	SSTV
10.140 - 10.150	RTTY	29.300 - 29.510	SATELLITE DOWNLINKS
14.070 - 14.095	RTTY	29.520 - 29.580	REPEATER INPUTS
	14.100 DX BEACON	29.600	FM SIMPLEX
	14.230 SSTV	29.620 - 29.680	REPEATER OUTPUTS
	14.313 MARITIME MOBILE		

AMSAT is very concerned with all the GRM coming from USA-based hams using FM voice transmissions who hopefully just don't realize that 29.000 to 29.510 MHz is set aside by international agreement to use as a passband downlink for Mode A satellites. Wrong use of this portion of the band could be hazardous to your ticket. ARRL band plans for bands above 29.300 MHz are shown in the ARRL repeater directory and the FCC rule book. The 24-MHz band plan was adopted by the ARRL Board of Directors in July, 1985

24.890 - 24.920	CW ONLY
24.920 - 24.930	CW AND DIGITAL
24.930 - 24.990	CW, PHONE AND SSTV

SCHOOL DEMONSTRATION

Congratulations to Paul Lattavo, KB8DST. For putting on a Ham Radio demonstration, at his sons school. On May 15th, it lasted about 90 minutes. there were demonstrations of low band voice & CW, as well as 2 meter FM. The use of the autopatch facilities on the W8BAYE (147.12) repeater, were a big hit with the kids. Pauls son, Anthony, is also a ham. His call is KB8EAU, and he enjoys CW

ELECTIONS

Our congratulations to Dave Buckwalter/KC3CD President, Gary Grimes/KB8GAB Vice President, Gladys Wilson/KB8GIA Secretary, Patti Hillier/KE8KH Treasurer & Larry Ashburn/KE8VE Trustee. Our Thanks to Allen Dicks/W18T, Eric Gwynne/N8HHV & Ron Gwynne/WC8F, for their excellent service

GRM FROM KB6GCF

Much of the concern about a no code licence, is that it would attract too many people from the CB bands and we would end up with a mess like we have down on 11 meters. While I agree with this, I know many good operators on 11 meters who are just as disgusted with the mess as you and I. I have also heard some experienced hams on 10 meters that I would like to put in a band all by themselves.

I pull the plug on my rig when competitions are in progress, if I was interested in competing, I have no interest in skipping up and down the band collecting contacts from General to Extra Class running anything up to 1500 watts, when 25 watts will do the job nicely.

I would like to make contact with some other Novices or Techs. With the big boys up there, you don't stand a chance. When I first started, I thought I could drop down a few kc's, by the time I was clear of the splatter on the first guy, I was into the splatter on the next.

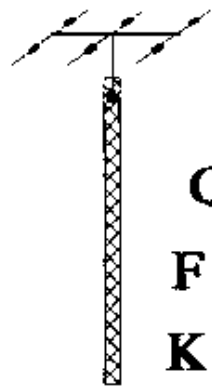
A contact I made a few days ago with an advanced operator, who shall remain nameless, would be funny if it was not so pathetic. On our Heathkit, we have a two power position, 100 watts and 1 watt. Just for fun, I thought I would try the 1 watt position, so I went back to a 20 over 9db signal from Washington state. He answered me on the first try. I gave him his signal report and he could not understand why I was only 5.5, "conditions must not be very good from your neck of the woods," he said, "your modulation is good, you are nice and clear, but just no signal to talk about". I replied that I was running a Heathkit HW 104, into a Moonraker 4, with 1 watt of power. To this, in a very embarrassed tone, he replied that he may cut down his 500 watts a little. I just cannot see why an experienced ham, just because he has an amplifier and the licence to use it, thinks it will go rusty or the FCC will pull his licence if he dose'nt. Any comments???

ARES

Lots of things are in the works, but first and foremost is the Aerobatic competition at Berlin Aeropark, on June 17/18. We have been asked to provide communications again this year, & operators will be needed. The planes compete by flying a set pattern of maneuvers, while being careful not to stray outside of an imaginary box. Hams are placed at opposite corners of the box, and relay any "outs" to the Judging stand. Operators will also be placed at the staging areas and the waiting area at the end of the runway. It promises to be a great weekend. If you can help out, contact N6DZA, KEBVE, W18T, or K8BMQ.

Callsigns as of 5/1/85:

EXTRA	WR8Y	(36)	TECH/GEN	N8KSK	(117)
ADVANCED	KE8YQ	(28)	NOVICE	K8BHCS	(225)



QRM FROM KC3CL

Well another month has past, and so has another AARC year. If you missed the last meeting, then you missed a good time. The B&O came through right on time. Elections were held, and we have some new officers. We also held the annual fund raiser drawing and gave away those nice prizes. The Color Stereo TV went to Jim Wilson, KB6GHZ. The Stereo VCR went to Jack Kimpel, from Columbiana, and the Cordless Telephone went to Julius Erdos,

KD8XD of Canton. Everyone should be glad to know that we actually made some money on the ticket sales. The report will be given at the next meeting.

The next meeting will be Thursday, June 1st at the Alliance City Hospital. The main topic will be FIELD DAY. Yes it's that time again already. It seems like it was just last week when I got my station back together from last Field Day. Come to the next meeting and help with the planning, and come out and join the club for Field Day. It will be held at the Tri-County Airport (behind Larry and Patti's house) on June 24th and 25th.

Do you need any GOOD STUFF? Well we, the club, still have a lot of GOOD STUFF left from the estate sale. It's in my garage. We are having a Bull Lite Special. Prices have been lowered, and deals can be made.

There are only two Hamfest remaining that we plan to take the GOOD STUFF to. So if you want any thing give me a call, or come over and look. There is a lot of good parts in all the GOOD STUFF.

Well the Fat Lady isn't singing yet, but I hear Jack may be buying exotic QSL cards to fatten his pile. I also heard that a clandestine group of Hams are planning a covert mission to place a spark transmitter in Jack's back yard. That should slow down the DXing some. How about you secret DXer's coming to the next meeting and let everyone, including Jack, know how many countries you have worked, and just how many you have confirmed. The DXCC contest is moving into it's sixth month. Somebody has to be getting close.

Need a beam for your new 2 meter rig? Well here is just what you need. This beam can be made from standard material found in the local hardware stores (even Stambaugh's). Total cost for materials should be around \$25.

2 Meter Yagi From Standard Materials

DESIGN FREQUENCY..... 146.0 MHZ
 NUMBER OF ELEMENTS..... 7
 DIAMETER OF BOOM..... 1.0 in
 DIAMETER OF ELEMENTS..... 3/16th in
 BOOMLENGTH..... 8 FT 0 IN
 GAIN (With -15db side lobes). 10 DBD
 TYPICAL BANDWIDTH..... 2 MHz.
 HORIZONTAL BEAM WIDTH..... 46 DEGREES
 VERTICAL BEAM WIDTH..... 60 DEGREES

ELEMENT LENGTH	Inches
REFLECTOR	41.8
DRIVEN	40.3
DIRECTOR # 1	38.1
DIRECTOR # 2	37.7
DIRECTOR # 3	37.4
DIRECTOR # 4	37.1
DIRECTOR # 5	36.8

ELEMENT PROTRUSION EACH SIDE OF BOOM

REFLECTOR	20.5
DRIVEN	19.6
DIRECTOR # 1	18.6
DIRECTOR # 2	18.4
DIRECTOR # 3	18.2
DIRECTOR # 4	18.1
DIRECTOR # 5	17.9

ELEMENT SPACING

REFLECTOR to	DRIVEN	15.1
DRIVEN to	DIR 1	6.4
DIR 1 to	DIR 2	14.6
DIR 2 to	DIR 3	17.5
DIR 3 to	DIR 4	20.4
DIR 4 to	DIR 5	21.0

PROGRESSIVE SPACING (from reflector)

TO DRIVEN ELEMENT	15.1
TO ELEMENT 3 (director 1)	21.5
TO ELEMENT 4 (director 2)	38.1
TO ELEMENT 5 (director 3)	53.6
TO ELEMENT 6 (director 4)	74.0
TO ELEMENT 7 (director 5)	95.0

BOOM LENGTH REQUIRED (between ref & d5) is: 7 Ft. 11.0 in.

ROUNDTABLE

Well here we are pushing into June & I'm wondering where did spring go. Boy have I been busy since last month, I don't think I can keep up, mowing grass, planting flowers, putting up antenna's, ect.

Gladys and I attended a skywarn class at Timpkin Mercy Medical center, we thought it was very interesting. The program was conducted by Ed Heath, Akron-Canton Airport N.O.A. station & Ed Cox, Stark Co. Disaster Services Director. The class lasted about 2 1/2 hrs. There was a lot of information presented in lectures, videos and passouts.

Everyone says you have to go to it at least once so, On Saturday the 29th we left for Dayton, to checkout what all the excitement was about. On the way down it rained, but not to bad. we arrived early afternoon & checked into the motel, rested up & decided to check out where the Hamfest was. We drove to the area & headed back to the motel, boy did it rain, by the buckets, when we got back to the motel it stopped for the rest of the night.

Sunday morning bright & early away we go to our first Dayton Hamfest. Talk about big that is putting it mildly. One booth after another & one building after another, plus the flea market outside. We had a ball & thought it was great. I realize this isn't for everyone, but I recommend it for those who like to flea market & see all the goodies. We purchased our radio & antenna at a fair price, so we are happy. Monday we motored to canton & you guessed it more rain. So I guess you might say we had a rainy adventure, Hi Hi.

Well all of you get ready for field day & chase the DX, but remember some family trees produce more nuts than lumber. KB8GHZ & KB8GIA Jim & Gladys Wilson.

JUNE EVENTS

- 1 AARC meeting -7:30 pm
- 10 Alliance Community Hospital, room B
RAVENNA VE EXAMS
contact Joanne Solak, KJ30, 216/274-8340
- 10/11 World wide South American CW Contest
- 10/11 Delaware QSO Party
- 10/11 Anarts World wide RTTY Contest
- 10-12 ARRL June VHF QSO Party
- 15 ESCARES-145.37 at 9 PM
- 17 BARBERTON VE EXAMS
contact Mary Wagner, 216/882-6387
- 17/18 Aerobatic competition-Berlin Aeropark
- 18/19 All Asian DX Contest-phone
- 18/19 SMIRK QSO Party
- 22 ESCARES-145.37 at 9 PM
- 24/25 FIELD DAY !!
- 25 ESCARES-145.37 at 9 PM

HOW TO PUT UP AN ANTENNA TOWER

"I am writing in response to your request for additional information on my recent accident. In block No. 3 of the accident report form, I put "poor planning" as the cause of the accident. You said in your letter that I should explain more fully and I trust that the following details will be sufficient.

I am an Amateur Radio operator. On the day of the accident, I was working alone on the top section of my new 80 ft. antenna tower. When I had completed my work, I discovered that I had, over the course of several trips up the tower, brought up about 300 pounds of tools and spare hardware. Rather than carry the now unneeded tools and hardware down by hand, I decided to lower the items in a small barrel by using a pulley which, fortunately, was attached to the gin pole at the top of the tower.

Securing the rope at ground level, I went up to the top of the tower and loaded the tools and hardware into the barrel. Then I went back to the ground and untied the rope, holding tightly to ensure a slow descent of the 300 pounds of tools and hardware.

You will note in block No. 11 of the accident report form that I weigh 155 pounds. Due to my surprise at being jerked off the ground suddenly, I lost my presence of mind and forgot to let go of the rope. Needless to say, I proceeded at a rather rapid rate up the side of the tower.

In the vicinity of the 40 ft. level, I met the barrel coming down. This explains my fractured skull and broken collarbone.

Slowed only slightly, I

continued my rapid ascent, not stopping until the fingers of my right hand were two knuckles deep into the pulley. Fortunately, by this time I had regained my presence of mind and was able to hold tightly to the rope in spite of my pain.

At approximately the same time, however, the barrel hit the ground, and the bottom fell out of the barrel. Devoid of the weight of tools and hardware, the barrel now weighed 20 pounds.

I refer you again to my weight in block No. 11. As you might imagine, I began a rapid descent down the side of the tower. In the vicinity of the 40 ft. level, I met the barrel coming up. This accounts for the two fractured ankles and lacerations of my legs and lower body.

The encounter with the barrel slowed me enough to lessen my injuries when I fell onto the pile of tools and hardware and, fortunately, only three vertebrae were cracked. I am sorry to report, however, that as I lay there on the tools and hardware, in pain, unable to stand, and watching the empty barrel 80 ft. above me, I again lost my presence of mind. I let go of the rope."

TNX World Radio

To place a Radio related ad, please contact, Janice/K88GCE, at 216/823-1458, for details

CLASSIFIED:

Wanted:

Keyer and paddles

K88GCE 216/823-1458

Send in your homemade QSL's. Each month we would like to run a different QSL.

Send to: K88GCE

11424 Aebi Ave. N.E.

Alliance, Ohio. 44601

Disneyland
Mickey Mouse repeater

Disneyland (CA) has a 2 meter repeater for visiting Amateurs.

When you enter the park, check-in at the business office inside the main entrance. Tell them you're an Amateur and that you have a 2 mtr HH. They will explain the use of the repeater (operation requires a touch-tone access pad).

You are asked to keep the receiver on, and in addition to making contacts with other Amateurs, you may be asked to help with situations as they occur, lost children, ect. It's public service and it comes to the attention of the public.

Disneyland gets the service of trained communicators in situations within the park to everyone's benefit.

Mt. Diablo ARC, Pleasant Hill, CA
TNX World Radio

ANY COMMENTS, OR LETTERS FOR THE NEWSLETTER.
Should be sent to:
D & J BARBER, KB8GCF/KB8GCE
11424 Aebi ave. N.E.
Alliance, Ohio. 44601

Alliance ARC
P.O. Box 3344
Alliance, OH, 44601



05/89

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