

JULY 1989

*		ULI	TUERS		*
*					*
*	Pres.	Dave	Buckwalter	KC3CL	*
*	V. Pres.	Gary	Grimes	KB8GAB	*
*	Sec'y.	Glady	s Wilson	KB8GIA	*
*	Treas.	Patti	Hillier	KE8KH	*
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AARC MEETING
Alliance City Hospital, Cafeteria
on July 6 th at 7:30 pm.
VISITORS are always WELCOME.

FIELD DAY

Dennis /KB8GCF

My first Field day. Even though I had to work, was a very enjoyable one. Janice, Damien & I spent the weekend camping, we arrived Friday evening. (Janice set up the tents earlier). Because of working, I did not get to help with the set-up and missed the first part of field day.

Janice was able to work the Novice station, working about 50 stations on 10 meter phone. She enjoyed the afternoon, getting to see some old friends and also putting a face to some calls & voices, for the first time. From her reports, it was a busy afternoon, with people coming and going all the time. Damien had a great time, it was his first time camping. He really enjoyed it and did not want to leave when the time came.

For myself, field day was a pretty quiet affair, I had to leave for work about 2:30 pm. We had a busy night at the restaurant, so I was pretty tired by the time I arrived back to the site around mid-night. I refreshed myself, took over a station working it from iam to 6am, making about 30 contacts.

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*	TRUSTI	EES *
*	Larry Hillies	N8EWV *
*	Jim Ferguson	N8DZA *
*	Larry Ashburi	KE8VE *
*	Edito	ors *
* D.	& J. Barber	KB8GCF/KB8GCE *
****	****	*******

I enjoyed the experience and would not have missed it for the world, next time I will try & arrange for the weekend off.

With regrets, we packed up about 12 noon & left for home, I had to be at work for 2pm. The Field Day site was ideal, our thanks to Larry & patti, they put many hours into getting the site ready for us all and it was well appreciated.

Despite the 40 days & 40 nights of rain, Hi HI, before field day, we did not have to operate in an Ark. The location & excellent drainage took care of that. We had a nice & dry site to work at & the weather held good for the whole weekend.

Propagation was good & we all got a fair share of contacts and good fellowship. A popular, life saving station at night was the picnic table with coffee, and remnants of the nights food, which was visited many times. All in all, I feel it was a good weekend. Field day was a great success, and the spirit of Amateur Radio was served. Showing we were ready and could do the Job we did it with pride & fellowship.

We would like to give a hearty TNX to everyone concerned with making Field Day 89 the great day it was. Roll on Field Day 1990, lets make that one even better.!!

### ROUND TABLE

Another month has slipped by and I am wondering where did it go ? And so swiftly too. As I am writing this article, Its still raining. Hopefully by the time you read this the monsoon season will be over.

Gladys wishes to thank the club members for electing her to the secretary's position and is looking foreword to the next year with excitement and enthusiasm. To the Officers who served iast year congratulations on a job well and to the new Officers for this year congratulations and lots of luck.

For those of you who missed the last club meeting, I volunteered to keep the club scrapbook. If you have any photo's of past club activities and would like to donate some to the club contact me anytime. On the back side please write the names, call's, time, and place.

We thought the Goodyear hamfest was a good one. I found a few goodies at a good price, so I was satisfied. Got to talk to some old friends, and meet some Hams, that I only new by there calls, and got to put a face to the voice.

The weather couldn't have been any better for outside activities. The smell of the bar-8-Q's going, sure sharpened the appetite buds. So if you did not get to go you missed another great Hamiest.

From me personally I wish to thank a person for handling a situation on the N8DZA repeater one evening. Mike N8KNU, THANK YOU.

As I listen and talk to Hams in different places. The Topic seems to eventually turns to food. I think that most Hams enjoy eating almost as much as Ham radio, HI HI.

So, Gladys came up with the idea of putting a recipe of some kind in our articles. We will try to keep simple and inexpensive, for the most part. Occasionally, it might vary, like at the Holidays.

Gladys made this one for our kids when they were growing up & they liked it then and they still do. So give it a try sometime.

POORMANS LASAGNA

- 1- 8 ounce box macaroni & cheese
- i- can spagnetti sauce
- 1- package shredded cheese

Prepare macaroni & cheese, using the directions, put into buttered casserole dish or baking pan. Put alternate layers of macaroni and cheese, & sauce. Top with cheese. Bake 15-20 min. at 325 degrees.

In closeing I thought I would let you in on the latest rumor. I hear the boomerrang's making a comeback

Jim & Gladys -- - KB8GHZ & KB8GIA

### FOR SALE

Heathkit HW 104 SB 604 ext. speaker & power supply Heathkit Frequency Counter. Rig runs 1 watt QRP,100 watts full power. A very nice rig,also a nice sounding radio, from reports. Put together by a Heathkit technician. Inside is very clean & neatly put together.

Covers 80, 40, 20, 15 & 10 meters. LSB/USB/CW. Full set of manuals & extra boards. \$425.

Linear Amplifier. Maverick 250 Old 11 meter amplifier, works well on 10 meters. Low side 250 watts. High side needs some work(?), puts out 450 watts. Also, spare tubes. Around 12 to 25 watts to drive it. Good for low power rigs. \$50

Contact: Janice or Dennis KB8GCE/F at (216) 823-1458

### FOR SALE

Yaesu FT 101 transiever. Hand mike, ext speaker, ext VFO. Spectronics digital freq counter. Keyer and paddles, & code trainer. \$450.

For info contact: John Gafford, at (216) 821-6948

### NW8C IN THE NEWS

For diodes:

Put your meter to X 1000 OHMS scale. Hook meter leads across diode leads. Next, reverse the leads across the diode.

You should get a reading of low resistance in one direction and high resistance in the other direction.

If you get low or high resistance in both directions, this may indicate a bad diode. In which case you will want to recheck your readings by following the above steps again.

For transistors:

Put your meter to X 10 OHM scale. Hook the meter between the emitter and the collector leads of the transistor. Next reverse the connections.

You should get a high resistance in both directions.

If you get low or no resistance in one or both directions this indicates a bad transistor. In which case you will want to redo the test, following the above steps.

Next, hook the meter between the base and emitter leads. Then reverse the connections to the base and emitter.

You should get high resistance in one direction and low in the opposite direction.

If you get zero resistance it indicates a short, or infinite resistance, both directions indicates an open junction. If you get this you will want to repeat the test.

Next hook the meter between the base and collector leads. Then reverse the connections to the base & collector.

You should get high resistance one direction and low in the other.

If you get zero resistance, this means a short, infinite resistance in both directions means a open function. If you get this you will to repeat the test.

Alliance resident, Paul Bean, a driver for Consolidated Freightways, is one of 17 drivers in the company's eastern region recognized for reaching a driving milestone. He became a safetv "million miler" for driving a million miles without a preventable accident. On average, takes a full time driver about eight years to reach that mark. CF eastern operations has 130 terminals in 13 states and about 1.400 drivers.

TNX: the Alliance Review

FIELD DAY in the NEWS

Amateur radio operators take part in international exercises

For 24 hours over the weekend, amateur radio operators throughout the world took part in special exercises to plan and prepare for emergencies.

Seen here are two members of the Ailiance Amateur Radio Club who participated in the local portion of the event at Tri-Gity Airport east of Ailiance. They are Ailen Dicks, at left and Frank Robinson, above.

A " tent city " campout grew up at the airport, as antennas sprouted from trees and poles. Visitors came from several north eastern Onio cities to observe and participate. Five stations on various bands and frequencies operated around the clock.

The event was sponsored by the American Radio Relay League. The Alliance club currently has 50 members.

TNX: The Alliance Review:

editors note:

This was a very nice article and I thought you would enjoy seeing it. Sorry, we could not reprint the pictures.

CALLS -WHEV! I didn't think I'd be able to get these in time, this month. It seems the RCC was running a little behind. The calls did not arrive from the FCC until June 20'th.

Anyway, 481 calls were issued in May. This is the third busiest month in the last two years. The top ten months in terms of number of calls issued are listed below.

	<u>month-year</u>	🐓 issued	<u>month-year</u>	# 1saued		
1	July, 1987	702	6 May, 1989	406		
2	June, 1987	541	7 April, 1988	366		
3	June, 1989	481	8 Nay, 1987	325		
4	Feb, 1989	411	9 Jan, 1988	320		
5	June, 1988	410	10 Feb, 1987	310		

I know, it's hardly the exciting Ham radio news that you expected, but you never know when this kind of thing comes up in trivial pursuit.

Here's the calls for the month of May. As usual, the numbers in parenthesis are the number of calls issued during the month of may.

Extra- WT8H(35) Advanced-KESZS(28) Tech/Gen.-W8KWU(114) Novice-KBSHDK(304)

With numbers like this, how can anyone say that Amateur Radio is not growing?

### BOOKS

DID YOU KNOW? that you can buy your ARRL license manuals, and FCC rule books, through the club? Just contact KDSKQ for more info, or catch him at one of the AARC club meetings.

ATR SHOW -Well, the aerobatic competition is history, and I'd like to personally thank everyone who took time out of their busy schedules, to come out and help. As a matter of fact, we actually had extra operators this year, thanks to a better than average response from our club members, and a flock of new amateurs coming out to get their feet wet in public mervice operating. Thanks to everyone who helped. (KDSKQ)

### EVENT CALENDAR

### JULY

1-Canada Day Contest

1-2-Six Meter International Net Activity Day

5-Venezuelan Independence Day Contest, phone

6- AARC MEETING

Alliance Community Hospital-Cafeteria

8-9-1ARU HF World Championship

9-ARCI QRP Summer Homebrew Sprint

9-Bowling Green H-fest

13-BASTERN STARK CTY ARES BET

9:00 P.X. on 145.370

15-Wellington Hamfest-Lorain County Fairgrounds Talk-in: 146.70

15-16-CQ VV VPX VHF Contest

15-16-Colombian Independence Day Contest

15-16-SEAUET Contest, CV

16-Van Wert Hamfest-Talk-in: 146.85

20~BASTERN STARK CTY ARES NET

9:00 P.M. on 145.370

22-23-QRP Summer Contest

27-EASTERN STARK CTY ARES NET

9:00 P.M. on 145.370

29-Goodyear exams-Bob Ducoty-688-9876

29-30-Venezuelan Independence day Contest, CV

## Article V.

# Dues and Membership

membership. Unly full and voting privileges and be must be A current valid amateur license issued by the FCC A. A current valid amateur license issued by held to hold full or sustaining membership. will have sustaining members wil eligible to hold office. All dues snall be due and payable upon acceptance into membership and eust be Each member shall pay dues annually. paid in full bæfore the annual meeting.

# C. Membership Classes and Dues:

- i. SUSTAINING MEMBERSHIP Any licensed Fadio Amateur, contributing \$15.00 or more annually to the Alliance Amateur Radio Club, Inc. will be placed on the Sustaining Membership Honor Roll, for their generous contribution to the club Honor Roll, for their generous contribution to the club treasury. The Sustaining member has full club privileges which include voting rights, the newsletter and holding
- 2. FULL MEMBERSHIP Any licensed Amateur Radio Operator. contributing \$10.00 annual dues, is entitled to all privileges as above except Honor Roll status.
- 3. ASSOCIATE MEMBERSHIP Any person, with an interest in Amateur Radio, who does not hold a valid US amateur radio license that pay \$5.00 annual dues, will be entitled to the newsletter, can attend meetings and other club functions, but can not vote.
- 5. FAMILY MEMBERSHIP For family member, who holds a voiled enateur radio license, living in the same household as the faul or bustaining sponsoring member, for the payment of place and dues, will have the same privileges, except that only a minimum of one nevelencer will be vailed to the

first amateur radio license as a result of completing on AAPC sponsored license course is alignale for and shall receive a ones free introductory membership provided that the following procedure is followed. Introductory members have the same rights and privileges as associate members. If an introductory member wishes to continue as a member of the MARC he must apply for a new membership as specified in this article prior to the next procedure is fullowed. When the course participant receives his license, he shall notify the Board of his call sign, license class and the offective data of his license. His introductory membership becomes effective at this time. introductory membership becomes effective

# Draft Revision 25 April 1989

annual meeting. An introductory member who is eligible for full membership may upgrade to full membership at any time by applying for a new membership as specified in this article.

7. DUES - Dues are to be pro-rated quarterly, as follows for new members (any one who has not been on the roster for at least one year):

4. #3.75 4. # 1.25 5. **#7.50** . ≢2.5**0** 3. ≢ .5**0** 2. #11.25 2. # 7.50 2. # 5.75 2. # .75 Full ----- 1, 910.00 Associate -- 1, \$ 5.20 Family ---- 1, \$ 1.00 Sustaining - 1. \$15.00

2. July, August, September 4. January, February, March. the fiscal year begins Of April, quarters are: 1. April, May, June 3. October, Movember, December

 No member shall be tree to make a commitment in the name of the club without a majority vote of the membership at a No member shall be free to make a commitment in the name regular meeting.

## Article VI.

any regular consumed at special meatings of the membership. end intoxicants sealt be

# Article VII.

## STUBERD FOR

amended by a majority votes of the ed the black by that the be ..exteerahip.

rull and or sustaining members, presented in writing at a regular meeting, and not discuss or voted on until ine next regular meeting. All proposals for amendments shall be signed by three

# Article VIII.

# Alliance Amateur Radio Club

We, the membership, wishing to secure for ourselves the pleasures of an association of persons commonly interested in Amateur Radio, constitute ourselves, they ALLIANCE AMATEUR RADIO CLUB and enact these by-laws for government. It shall be our purpose to further the exchange of information and cooperation between members, to promote radio knowledge, fraternalism and individual operating efficiency, and to so conduct club programs and activities as to advance the general interest and welfare of Amateur Radio in the community.

### Article I

# Meetings of membership

- A. The annual meeting of this club shall be held in the month of May, for election of officers and trustmes immediately following the regular meeting in May.
- 8. Regular meetings shall be held monthly as determined by the membership.
- C. The affairs of the AARC shall be managed by a Board of Directors: consisting of seven wembers elected in accordance with Articles II and VIII of the Bylaws
- ). Robert s rules of order shall govern all proceedings.

## Article II.

### Ufficer

- A. The oritiers of this clab shell number four (4). They are to consist of a President, TheyPresident, Secretary and Treasurer.
- B. The officers shall be elected for a term of one year by ballot of members present at the annual meeting. New officers will take over their duties at the next regular meeting.
- C. Vacancies occurring between elections must be filled by special elections at the first regular meeting following the withdrawal or resignation.
- D. Officers may be removed from office by a three-fourths vote of full and sustaining membership.

Article III.

# Duties of officers

- A. The President shall preside at all meetings of this club and conduct them according to Robert's Rules of Order. The President shall be responsible to ensure positions are filled to conduct business of the club. Examples of these positions are: Newsletter Editor, Equipment Chairman, Program Chairman, etc.
- B. The Vice-President shall assume all duties of the president in his/her absence. He/she shall also organize club activities and programs not otherwise designated to a committee, or other member.
- C. (1) The Secretary shall record minutes of all meetings, keep a roll of memoers and receive applications for membership.
- (2) The **Treasurer** shall receive and receipt all monies paid to the club, keep an accurate account of all monies received and expended, pay no bills without a majority vote at a regular meeting by the club, and shall make a brief financial report at each regular meeting.
- D. All officers shall, within ten (10) days after the expiration of their terms, turn over to their successors all records and property of the club, that is in their possession, that is pertinent to the office vacated.

## Article IV.

### Chub Funds

- $oldsymbol{a}_{i}$  . All money received shall be under the supervision of the Board of Directors.
- B. All money received shall be deposited within twenty (20) days of receipt, except not more than \$20.00 may be held in a patty cash fund for the purpose of making change, or for the payment of small bills.
- C. A majority ruling by the Soard of Directors may approve expenditures of normal club business up to a limit of \$50.00 without the vote of the membership.

Draft Revision 25 April 1989

Draft Revision 25 April 1989

### Trustees

- A. There shall be three (3) elected trustees, to be decided on by a vote of the membership.
- B. Trustees terms will be for three years. One trustee is to be elected annually to replace the out-going trustee.
- C. The trustees shall have the control and management of the property of the club, subject only to the action of the anembership, audit the books of the corporation, conduct the annual meeting, and further duties as may be required of them by the nembers.
- D. The election of the trustees shall be held at the annual meating, except that if the office of trustee shall become vacant for any reason at any other time, nominations-and election shall be held at the next regular meeting following the contractions.
- E. Trustees may be removed from office by a three-fourths vote of full and sustaining membership.

### Article IX.

### (NEGRATS)

- A, should this organization over dissolve for any reason, for extering assets of the cold must be sold obtain numery (90) days and the monies recent recent solds of one added to the dominant between the constant solds at the added of the common transmit satisfy all debts incurred by the copanization with ourse from the creasury. The object of the ourse from the creasury, then the supplicitly is equally divided smong the called of custofining membership of the time of dissolution.
- b. Such action upon the maries and assets of the clob will be the responsibility of the Soard of Directors at the time of dissolution.

TSRAC'S HANDI-HELPER INFORMATION PAGE!

10.000

# ANTENNA READINGS

A high SWE reading causes a power output loss, limiting the transmitters range. If the SWE is higher than 3.1 on a tube type transmitter and 2.1 on a subdistant the type transmitter. It may cause the transmitter to overheat and the possibility of damage to the final stages. A SWE of 3.1 is the amount of reflected power going back into the transmitter.

### SWR CHART

SWR LOSS	3.1 255	:	:	:	:
	1.1 05	:	•	:	:

The tube type transmitter is a little more rugged and can take a little more punishment, but the new solid state type unit is more critical and more attention should be taken in keeping the SWR down to a minimum.

The radio's transmitting power can be concentrated along the horizon by use of a gain antenna. Although you may be transmitting with 50 watts of power, your ERP (Effective Radiated Power) will be greatly increased by the use of the gain type antenna.

ج,																	
tts																	
Multiply Watts by	1.0	1.2	7.6	2.1	2.5	3.5	0	5.1	6,3		10.2	12.6	15.9	20.0	25.1	3.6	100
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Antenna	J	-	· «V	177	-7	•	9	-	•	0	101	#	12	13	77	15	8

Example: You have an antenna with 7db gain and you are transmitting with 50 watts of output, your ERP will be 255 watts at the antenna, not bad, ha? Also a good grounding system is very important for both your antenna as well as your transmitter.

TNX: TRIPLE STATES RAC BNT

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 & news

letter 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 the same household as paidup full or sustaining member, to recieve full privileges, one newsletter per residence will

be mailed.



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

> W8UKQ DAVID GLASS 217 W. SIMPSON ALLIANCE, OHIO 44601