

Alliance Amateur Radio Club

Affiliated with the "American Radio Relay League"



ZERO BEAT

February 1991

HAM RADIO OPERATOR HANGED !

ALLIANCE OHIO (CW) Law enforcement agencies are investigating the mysterious circumstances surrounding the hanging of a local ham radio operator. Investigators believe the incident is related to the failure of the ham radio operator to publish a monthly newsletter for which he was the editor.

The missing issue that may have been the motive for this crime was the January 1991 edition of the Zero Beat. It is believed that irate readers, who sometimes border on insanity, may have organized a lynching party after failing to receive the often outstanding publication.

Friends and relatives of the victim say that the failure to publish the January issue was not an intentional act. It ap-

peared to them that the editor of the Zero Beat had been caught up in the Christmas holiday spirit and had just forgotten to put together the first issue of the new year.

Authorities reportedly have no leads in solving this unusual incident. They have asked that anyone who has any information that may help shed some light on solving this crime to please reply in writing to the Zero Beat, care of the address contained in this issue.

Other editors should also take heed to the warning that is apparently being made by the perpetrators of this crime.

The next meeting of the Alliance Amateur Radio Club will be held on Thursday, 7 February 1991. Meetings are held monthly at the Alliance Community Hospital at 7:30 PM in the cafeteria on the first floor. Visitors are always welcome.

CALLS

The latest calls as of November 1st 1990,
are as follows:

EXTRA -- AA8CG (+5)

ADVANCED -- KF8KC (+19)

TECH/GENERAL -- N8NAN (+72)

NOVICE -- KB8KVV (+93)

NET SCHEDULE

Eastern Stark County News and Informa-
tion Net. Net Schedule February 1991.

7 No Net - Club Meeting Night

14 WX8G John Myers

21 KC3CL Dave Buckwalter

28 KB8GHZ Jim Wilson

Remember, if you cannot be net control on
the night you are scheduled please let
Pam N8IAK know. She can be reached at
821-5513(e) or 821-6545(d)

HORSE TRADERS NET

Net Control: Chuck KA8ZUE

Frequency: 146.385/146.985 MHz

Time: 21:00 Hrs

When: Thursday's

*There is a Shop and Swap Net on the Goodyear
Repeater, 146.985 MHz every Thursday Evening
at 9:00 O'clock except the 2nd Thursday of
the month which is the Club's meeting night.*

*This is a good place to get rid of your
unused radio gear. Chuck, KA8ZUE is the Net
Control for this operation.*

*Check in this Thursday Evening and tell
your friends (enemy's too) about it.*

Watch those decibels — they eat power!

HERBERT LIPSON, W8FBH

What's a dB? It's basically a ratio between one level and another. However, because of the mathematics (which we will skip for now), voltage or current ratios are expressed in twice the number of dBs as power ratios.

Let's examine the power dB as we use it in our hobby of Amateur Radio.

Fact 1: A power change of 3dB up or down is the *least noticeable change* that can be detected by the human (or vulcan) ear or at the other guy's receiver input. **Fact 2:** In order to make a plus 3dB change, you must *double your power, no matter where you start!*

Let's digest this for a moment. If your rig has a 1W output, you will get a +3dB gain if you go to 2W. But also — and here is where the confusion comes in — if you already have, say, 20W out and you tweak everything to get 25W out, you have gained very little at the input of the other guy's receiver.

Remember **Fact 1:** To make the least noticeable change you must raise your power 3dB. **Fact 2** states that you must go to 40W for this! So why risk burning up your output transistor for a few extra watts that nobody notices?

Suppose you now have a perfectly good 50W amplifier and have a chance to upgrade it to 80W by a shrewd swap and some grass stamps. But your first **NOTICEABLE** change would need to be 100W. You have gained very little by moving to 80W!

It works the other way too. If you use an old crummy piece of coax cable to feed your antenna and have a 3dB loss through the cable, you have lost half your power. On the other hand, if you improve your antenna system, you can get the effect of higher power.

For instance, if you install a 6dB antenna instead of the basic quarter-wave, the received signal is the same as if you raised your output power four times. Put a 6dB antenna on a 50W amplifier and the receiver thinks you have increased to 200W!

So take it easy! Don't beat up your rig for the sake of a few percent increase in output. You might feel better about it, but it won't be detected at the receiving end. If you are in the fringe areas and need more power, investigate the use of a better antenna and use a good quality of coax cable to feed it.
—Midland ARC Inc., MI □

WIND CHILL INDEX

Temp. F	WIND (MPH)								
	0	5	10	15	20	25	30	35	40
35	35	33	21	16	12	7	5	3	1
30	30	27	16	11	3	0	-2	-4	-4
25	25	21	9	1	-4	-7	-11	-13	-15
20	20	16	2	-6	-9	-15	-18	-20	-22
15	15	12	-2	-11	-17	-22	-26	-27	-29
10	10	7	-9	-18	-24	-29	-33	-35	-36
5	5	1	-15	-25	-32	-37	-41	-43	-45
0	0	-6	-22	-33	-40	-45	-49	-52	-54
-5	-5	-11	-27	-40	-46	-52	-56	-60	-62
-10	-10	-15	-31	-45	-52	-58	-63	-67	-69
-15	-15	-20	-38	-51	-60	-67	-70	-72	-76
-20	-20	-26	-45	-60	-68	-75	-78	-83	-87
-25	-25	-31	-52	-65	-76	-83	-87	-90	-94
-30	-30	-35	-58	-70	-81	-89	-94	-98	-101
-35	-35	-41	-64	-78	-88	-96	-101	-105	-107
-40	-40	-47	-70	-85	-96	-104	-109	-113	-116
-45	-45	-54	-77	-90	-103	-112	-117	-123	-128

Winds greater than 40 mph have little additional chilling effect.

Zero Beat is published monthly by the Alliance Amateur Radio Club. All correspondence related to the Zero Beat should be addressed to:

Alliance Amateur Radio Club Inc.
Att: Editor Zero Beat
P.O. Box 3344
Alliance Ohio 44601

Articles for publication can be submitted to the editor by mail, in person, or electronic transfer. Electronic transfer can be made by telephone modem, radio teletype or an IBM PC formatted disk. Disks should be 5 1/4" 360Kb or 3 1/2" 720Kb. Disks will be returned. Files should be in ASCII format or if in an IBM PC wordprocessor format, the wordprocessor used must be specified to permit conversion. For radio or teletype transfer contact the editor to make arrangements.

KC3CL Dave Buckwalter
12435 Beale St., Alliance, OH 44601
(216)-921-4400

The activities of the Alliance Amateur Radio Club are coordinated by an elected board of officers. The current officers and the respective positions are:

President - Gary Grimes KB9GAB

Vice President - Allen Dicks W18T

Secretary - Kitty Buckwalter N6LIP

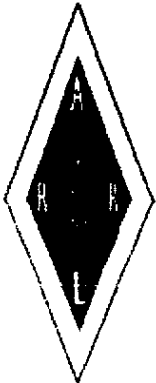
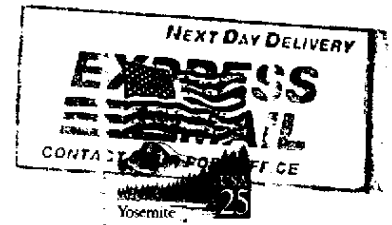
Treasurer - Patti Hillier - KE8KH

Trustee - Jim Ferguson - N8DZA

Trustee - Dave Buckwalter - KC3CL

Trustee - Larry Ashburn - KE6VE

Alliance Amateur Radio Club
P.O. Box 3344
Mount Union Station
Alliance, Ohio 44601-9998



To:

W8UKD
Dave Glass
217 W. Simpson St.
Alliance Ohio 44601

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