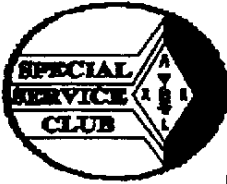


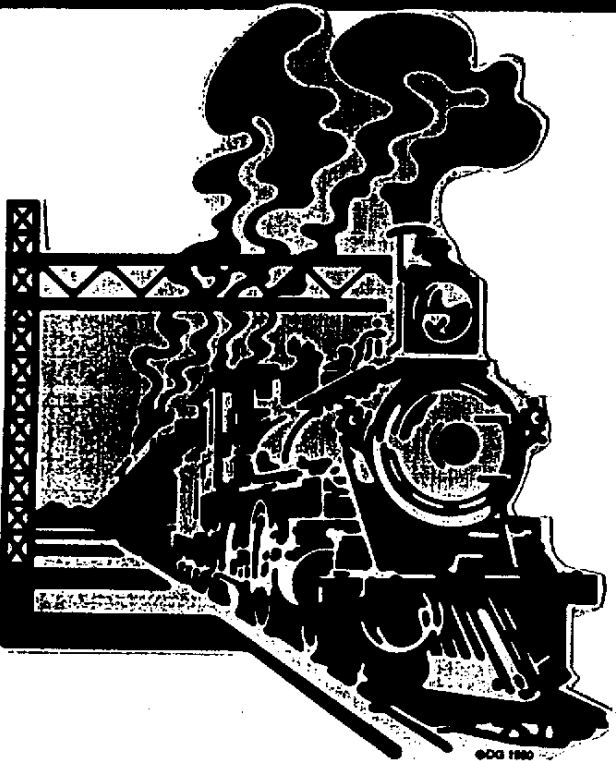
Alliance Amateur Radio Club

Affiliated with the "American Radio Relay League"



ZERO BEAT

April 1991




Mall Show

ALL ABOARD!!!! It's time for the MALL SHOW. The club needs all of the help and support possible for getting ready, setting up, and working the show.

APRIL 6th & 7th, all mall hours there will be displays, demos, and recruiting going on. This is our time to show the community what Amateur Radio is all about.

We will have a raffle going on for fund raising and help is needed for ticket sales. There will be lots of questions to answer to explain our hobby.

If you aren't already committed to a project for the show, contact N8DZA, Jim Ferguson, KC3CL, Dave Buckwalter, or any club officer. This is the event no one wants to miss, so set aside all of the time you can Sat. March 30th, to put antennas on the Mall roof, Friday evening, April 5th to set up, Saturday and Sunday, April 6th and 7th to enjoy the show!

 The next meeting of the Alliance Amateur Radio Club will be held on Thursday, 4 April 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.

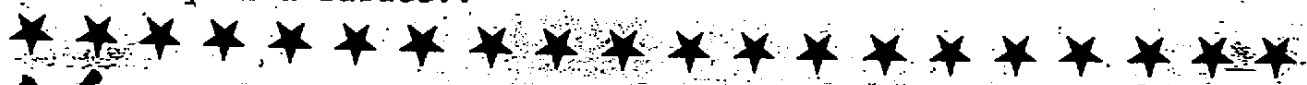
★ ★ ★ ★ SALUTE TO AN ALLIANCE ★ ★ ★ ★

The name of the city we are based in; ALLIANCE, is a synonym for teamwork. An Alliance is a unity, a fellowship, or a common cause. This is especially meaningful for a group of hobbyists, or non-professional enthusiasts. These are AMATEURS who share a common cause such as the hobby we share in order to communicate, RADIO.

Communicate, means to give, or to inform. Giving to the common cause enthusiastically is what makes radio so much more interesting and personal than mere wires and waves. Informing a fellowship of non-professionals about radio is the basis for our CLUB. Club is defined as a fellowship or alliance; teamwork.

We have worked as a team to build our club to the point of becoming INCORPORATED. Incorporated, is to be united thoroughly, blended or combined into a whole. This blend, the combination, is what makes it all so interesting. The diverse personalities and the varied interests come together. An array of amateurs form an alliance due to a common interest in radio, and become an incorporated club.

From this concept, grows the ALLIANCE AMATEUR RADIO CLUB, INC., quite worthy of a salute!!



*Happy
Easter!*

*Happy
Spring!*



Zero beat—When two operators in a QSO are transmitting on the same frequency.

Members*

KB8LJN/TEMPORARY KT: David M. Buckwalter passed his NOVICE exam on December 4, 1990 and since then he studied for his tech taking practice exams at least 10 times a week. Then on February 10, 1991 he passed his TECH Exam.

BY: David M. Buckwalter.



N8EZO, Alan Hillier, a member of the AARC will be graduating from West Branch High School June 2nd. He has been accepted into OHIO UNIVERSITY in Athens, Ohio and will major in Telecommunications. His interest in broadcast radio, and audio production has grown from childhood, Alan was first licensed as an Amateur Radio Operator in 1982 at the age of 9 and became a general class Ham in 1983.

N8GIE-John Ziccardi Jr. has recently moved to an apartment in a high-rise, over-looking Lake Erie. His new address is: 23951 LAKESHORE BLVD. APT # 1504 B EUCLID, OHIO 44123 phone-(216)-289-0049

Events

March 30th-Antennas installed for Mall Show

April 4th-AARC Meeting

April 5th-Set-up for Mall Show

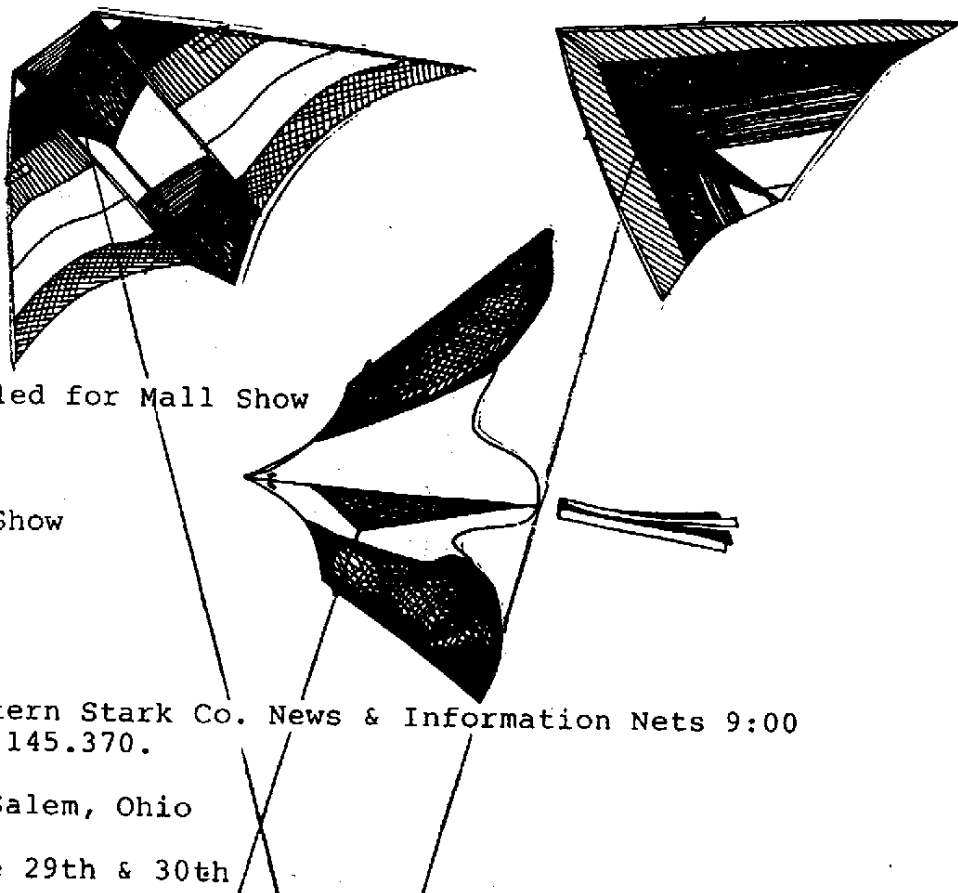
April 6th-Mall Show 9-9

April 7th-Mall Show 12-5

April 11th, 18th, 25th-Eastern Stark Co. News & Information Nets 9:00 P.M. on the N8DZA repeater 145.370.

April 11th-SAARA Meeting, Salem, Ohio

Prepare for Field Day--June 29th & 30th



Story taken from, GRAND OLE OPRY by CHET HAGAN

WHAT DOES THE NASHVILLE GRAND OLE OPRY HAVE TO DO WITH HAM RADIO?

Listen in----

On August 25th 1925 stood a 5 story building called the National Life and Accident Insurance Co.. C.A.Craig-the president of National Life had a son named Edwin, who was a radio NUT, with a plan to propose to his father and other elders of the business to make National Life a radio station.

Two other stations were already in Nashville--one WDAD and the other WCBQ. WCBQ was built by a teenager-John H. (Jack) DeWitt, Jr., who had had a ham radio license since 1921 when he was 15 years old. Actually WCBQ was DeWitts' 3rd radio station.

About the time he started WCBQ, DeWitt made a battery operated radio receiver for Edwin Craig. Quote from Mr. DeWitt, "Mr. Craig became a long distance radio enthusiast- or DX fan, as the hams call it. DX fans were people who would sit up all night listening to people around the country talk on the radio. Mr. Craig became terribly excited." Unquote.

With Mr. Craigs influence as son of the president of the company, he convinced the board of National Life to invest in a radio station. He also wanted specific call letters for his station.

The slogan for National Life was "We Shield Millions". WSM was the call letters he wanted--one problem--WSM were at that time the call letters of a Navy ship- the lifeboat LEVIATHAN. At the time the Dept. of Commerce, which licensed radio stations then, withdrew the call letters from the LEVIATHAN lifeboat and thus gave them to National life- Mr. Craig was instrumental in acquiring these call letters. Herbert Hoover, the Secretary of Commerce signed the license.

On October 4, 1925 was the initial broadcast of WSM. Jack DeWitt sat at the controls in the 5th floor studio in his capacity as a part-time employee of the new station. Edwin Craig was given the honor of announcing the first broadcast. He simply said, quote "This is WSM, 'We Shield Millions'. The National Life and Accident Insurance Co." unquote. C.A.Craig- the president of the company dedicated the station to public service.

The music of the day was played at first--"hillbilly" music was yet to come. The closest to that style of music was a Miss Bonnie Barnhardt, billed as "The Lady 'O' the Radio", and introduced as a "singer of Southern Melodies". George D. Hay of Sears, Roebuck station in Chicago, WLS (Worlds Largest Store) would be very instrumental in introducing country music to WSM as we know it today. He left WLS and came to work for WSM in the very beginning of its birth.

In 1989 the Grand Ole Opry was 64 years old. It's a country music radio show-it's a genuine phenomenon- and American treasure. WSM is a clear-channel of 50,000 watts.

Now you know----a teenager with a passion for ham radio, who passed his knowledge on to someone else who developed a passion for DXing that gave him the idea of a radio station that would become a national treasure!

The information you have just read can be found in the book at Rodman Public Library, titled GRAND OLE OPRY, THE COMPLETE STORY OF A GREAT AMERICAN INSTITUTION AND ITS' STARS by Chet Hagan.

N8LIP

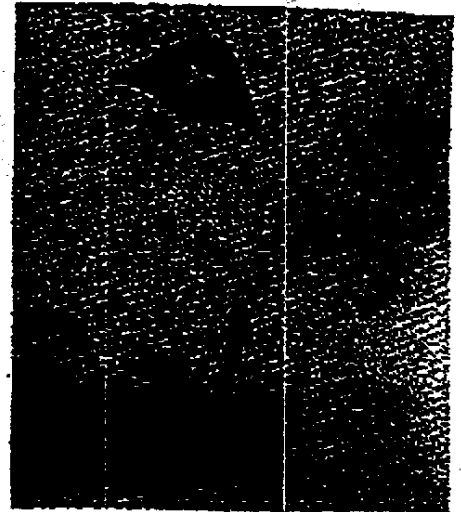
GO FLY A KITE! THE NEXT GENERATION

by Larry Hillier N8EWV

*Northeastern Ohio ATVers provide a different aerial view via ATV
ATV, the most exciting mode of my hobby is going higher and higher these days. It
has taken off after working with a fine group of area hams building the KD8PE ATV
repeater here in Northeastern Ohio (Youngstown, Salem, Beloit).*



The ATV Kite Logo and Flight Train



The Kite in Flight

The system works great at 40 miles plus. The in/out frequencies are 439.25 MHz. and 426.25 MHz. Some of the members of our group decided to make things interesting and fly our 1-watt ATV transmitter high in the sky with a camera, timer, identifier and a motor driven mirror to allow us to scan a wide area of the ground below. The kite is a 14 foot Sun Oak compound style box kite with quite a bit of lift. We mounted the 2.5 pound ATV system in a tube which hangs from the kite string about 50 feet below the kite itself. See the Figures for details.

They say the higher your antenna the better. We've done this in a big way with our many ATV kites (more flights than we even care to count!) On one of our first flights we kept getting P5 reports through the repeater as well as direct from area stations. Jim N8DOD had us P5 from Warren, Ohio (30 miles to the north). He told us, "...Just like looking downtown from an airplane!". Hal KE8II had excellent reception via his homebrew collinear in Sebring, Ohio.

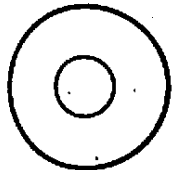
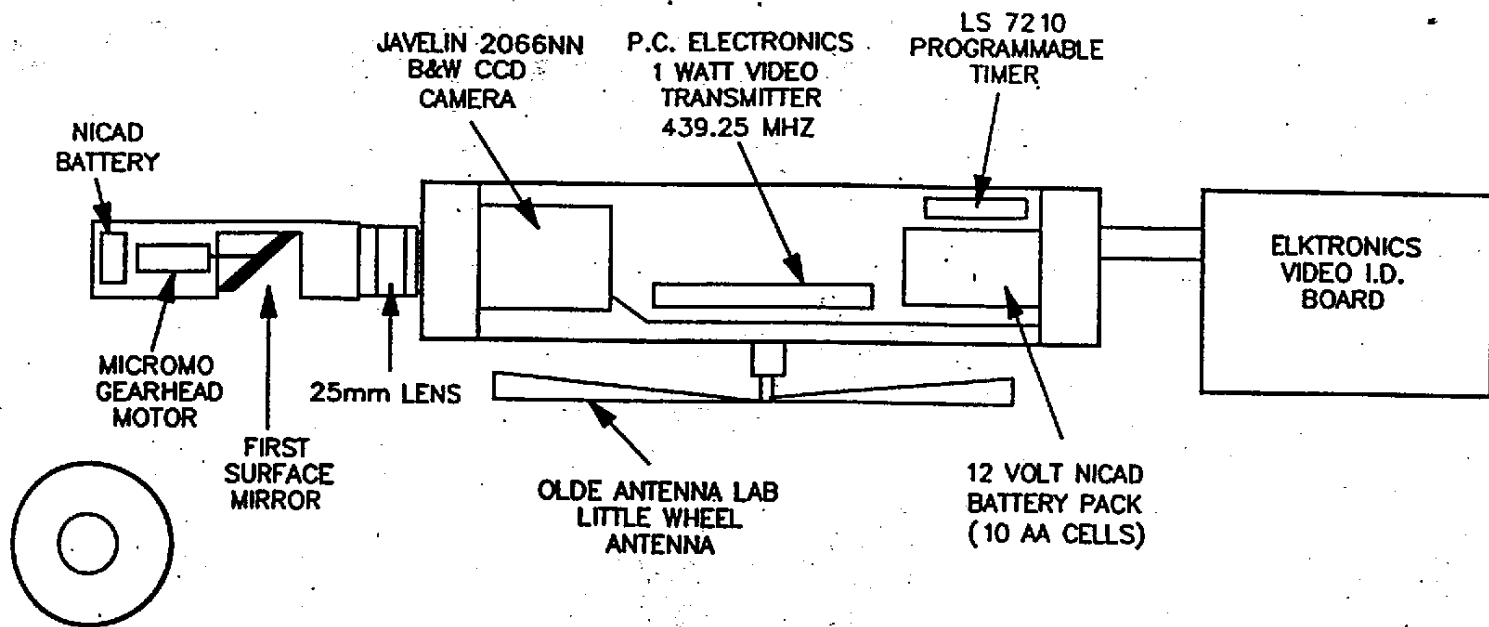
With every launch, we (Larry N8EWV, Jeff KB8LWE, Cory KB8LWD and Dick KB8KKA) keep thinking of even better ideas. Changes are quickly made, the package gets more streamlined, longer flights are made, better antennas, etc. John N8GIE and Larry KE8VE, both from Alliance, have helped with building timers and power

sources; as well as flying their own kites. Lens changes have made the resolution even better and the good reports keep coming in. In a stiff wind, it gets pretty difficult to bring the kite back to solid ground. It would take a couple of us just to reel the thing in. Dick KB8KKA made a great contribution when he built a power kite retriever that brings it all down in under 10 minutes with no work at all!

We've been giving demos for clubs and plan to do the same for area hamfests. We have had an occasional failure, like the time our line broke at 500 feet altitude during a demo for the Salem Radio Club's benefit breakfast. Although the attendees were somewhat disappointed, all of the talk about the kite recruited 3 new ATVers.

Recently Dick KB8KKA added a large American Flag to the kite line about 200 feet below the kite itself. People were honking their horns as they drove by to show their support of the troops in the Gulf. It looked awesome high in the sky! Area hams have been telling their friends to tune their TV sets to cable channel 58 or 60 to watch the kite video. Even the local barber shop has it tuned in!

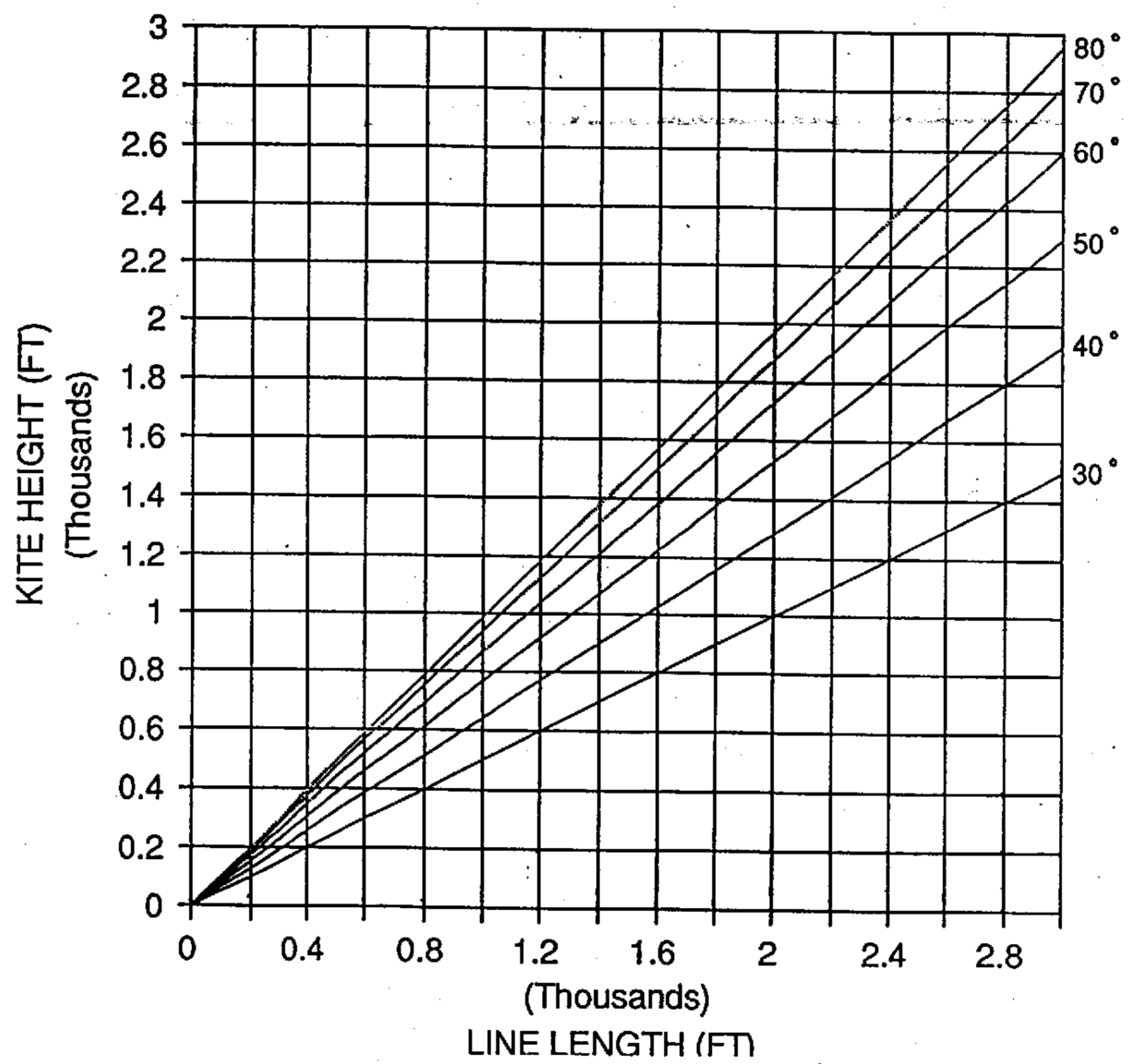
NOTE: Readers who would like to duplicate this project can obtain the kite needed from the author. The address is: 18334 RT 62, Beloit, OH 44609. The author recently became a dealer for the kites.



END VIEW

ATV KITE TRANSMITTER PACKAGE

KITE HEIGHT VS. LINE LENGTH FOR VARIOUS LINE ANGLES TO GROUND



Members* CONTINUED

KB8EAU

East Canton eighth-grader is top regional speller

After 11 rounds of competition and spelling "chenille" and "raisinry," Anthony Lattavo, an East Canton Junior High eighth-grader, won the 45th annual Repository Grand Final Spelling Bee. The event was held at GlenOak High School East Campus.

Lattavo out-spelled 40 other fifth- through eighth-graders from Stark, Carroll, Holmes and Tuscarawas counties Saturday to represent the area at the National Spelling Bee in Washington in May.

Lattavo will go to Washington with his parents, Paul and Margaret Lattavo; his sister, Monica and his grandmother, Edna Reed. Besides winning an all-expense-paid trip to Washington, he receives a copy of "Webster's Collegiate Thesaurus," a watch donated by John Gasser & Son Jewelers, and a plaque. His school, East Canton Junior High School, also receives a plaque.

He credited his parents, but mostly his grandmother, for his success. Reed had spent hours with him after school, going over word lists.

The runner-up was Emily Stoner, a West Holmes Junior High seventh-grader. She mis-

spelled "chenille" during the eleventh round. She receives a set of the latest edition of "Encyclopaedia Britannica" and a Nintendo entertainment system donated by Fisher Foods.

The third-place winner was Susan Smith, a Pfeiffer Middle School seventh-grader. She went down in the eighth round, misspelling "mercantilism." She won a "Random House Dictionary of the English Language."

Fourth-place winner Jodi Craiglow is a sixth-grader at Lake-Hartville School. She went down in the sixth round by misspelling "indubitable." She gets a "Webster's Ninth New Collegiate Dictionary."

Fifth-place Eric Oberlin, an eighth-grader at Marlinton Middle School, also went down in the sixth round. He receives a copy of "The World Almanac."

All 41 finalists receive a trophy and T-shirt.

Other local contestants were:

Rebekah Hannum, a Marlinton Middle School eighth-grader, first round, "hybrid."

Allison Randel, a Stanton Middle School seventh-grader, second round, "dowager."

Nikki Snyder, a Stanton Middle School eighth-grader, third round, "auricular."

Congratulations Anthony!

In May, the dues for the 1991-1992 year will be due. The rates for a one year membership of the AARC, Inc. are:

- Sustaining Member--\$15.00
- Full Member-----\$10.00
- Family Member-----\$ 1.00
- Associate Member---\$ 5.00

The Alliance Amateur Radio Club is currently holding a raffle. You must attend a club meeting for a chance to win the prize-Fifty dollars worth of handy, useful tools for only \$1.00 a chance. Tickets are available at club meetings until 100 tickets are sold. Support the AARC!!!!

There will be a raffle at the Mall Show for a color TV. Come prepared to purchase your chances, and tell your friends! We need to sell tickets. *****



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 Beula St., Alliance, OH 44601

(216)-621-4409

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 KB8GAB

Vice President - Allen Dicks W18T

Secretary - Kitty Buckwalter N8LIP

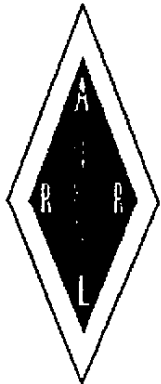
Treasurer - Patti Hillier - KE8KH

Trustee - Jim Ferguson - N8DZA

Trustee - Dave Buckwalter - KC3CL

Trustee - Larry Ashburn - KE8VE

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