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ARRL

Zero Beat

MONTHLY

Service Club

November 1996 The Alliance Amateur Radio Club POB 3344, Alliance Ohio 44601

November is Web month

Bits...

Try visiting [HTTP://WWW.TIAC.NET/USERS/WADE](http://WWW.TIAC.NET/USERS/WADE) for news of the N.E. weak signal vhf,uhf, microwave guys. The surf around and find the link to the Santa Clara microwave crowd. The santa Clara guys newsletter is downloadable. antenna software for microwave and other items can be found from linking around these sites.

A Colorado group dumped some **chaff** at 87,000 feet during the 10 GHZ contest from a ballon. Watch for similiar hijinks in the future.

Second gate is now open at FCC for the 1x2s callsigns....As of Oct 4 5900 applications had arrived at FCC. Call signs started being awarded 11/4 many W8xx calls were gone on day one.

Microwave try - URL [http:// www.netaccountants.com.uwcfq.html](http://www.netaccountants.com.uwcfq.html) for UK questions and answers.

Another **ham mirowave** site a vendor - <http://www.shfmicro.com>

Is anyone here doing voice on webb using Cooltalk? What hardware is needed?

As of October first the call signs assigned by the FCC were: Extra -AA8YA Advanced - KG8YX Novice KC8YJ Tech/Gen - all issued (what are they doing issuing available assorted calls from the group?)

2.3 GHZ: portion of band may be auctioned off soon..... the air is next.

K8OMO email address is K8OMO@juno.com

Radio Software

This is a list of some of the inexpensive software I use at home. An unusual bargain in software is **Intusofts Student Version** from:

222W. Sixth Street

suite 1070

San Pedro Ca 90731

Its a professional quality software at an affordable price. I have the full version at work and you get most of the features in the student version. However Spice can be a lot of work in any version. Don't expect a Genie to do your work for you. But for serious electronics types this is a must have.

Continued next page

Meeting Announcement

Our next meeting will be held on November 7th at the Alliance Community Hospital at 7:30 pm in the back of the Cafeteria.

From The Presidents Desk

Well here we are , our first attempt at entering a colum in the NEWSLETTER. Lets hope it is well received . I'm happy to have been elected your new leader . altho I dont know for sure yet what path to take in the position , I have found in the past that groups that succeed usually take leads from the membership themselves, that is what I plan to do.

On that last note , I would like to hear from the members what they have to say , either at the meetings or personally. At that point it can be brought up at the meetings under new business and discussed among the members. I'm talking about ideas for the club , things to do, people to head up the committies etc.

As you know our Christmas Party has beenscheduled for Jan. 11, I guess we will just have to call it a mid winter get together HI. I think it will turn out ok and everyone will enjoy themselves.

I was pleased with the turn out for the September meeting , while we had some difficult decisions to make I think everything went very well and want to thank all whom attended.

Right now CQ WORLD WIDE SSB contest is going on as I am typeing this, I have to comment that I have heard several of the members on the air and I am glad to see that . You may bring to the next meeting some ideas that you may have come up with for contesting . Maybe some software that you may be useing and share it with the membership. Type of equipment , antennas,etc may help some of the newer hams get in the thick of things hi hi.

Well I'll keep this short more later thanks to all for the vote of confidence

73's Don K8OMO. Pres. - A.A.R.C.

A SHORE T LESSON IN ANTENNA ERECTION

As every Ham knows it is vital to place the antenna in as high a perch as possible. Being a very old and obviously very wise I feel it is time to avail my fellow Hams in the fine art of erecting portable antennas. First I do not advise using N8PLA's son Joe. He is only good for about fifteen feet of vertical height, which works but not as good as we would want.

This year, I decided to demonstrate my superior intellect acquired from all these years of Ether waves passing through my head. This would be the Cats Meow! I mean this will be IT!

Great plans, you must realize, are not zappers. No Sir! To be really great they must be carefully and wonderfully crafted! I learned that line from a newer Ham, N8EAD who while young, does show a lot of promise in crafting the more glorious antenna projects.

A pass through the local farm store a couple years ago garnered a genuine sling shot with sooper dooper surgical rubber tubing. I guess you don't have to cut up Pappys spare inner tubes any more. You youngsters ask your grand pap, he will explain it to you.

The next purchase was a skein or so of chalk line about six months later. I told you this takes time!

Time marches on and a year or so later it is time for the PAQSO party. This is when the Ohio boys run off to the hills to check their mountain water, uh we wont explain that to REV, Dave, ok? Any how it is the premier contest since it coincides with closing down the ol Molesky deer camp. John, N8PLA, likes to check out the mountain water also, so I like to take him along since he has the truck and the official PA county map so we can see just where we worked.

To his detriment he is also a glutton for punishment but he is a relative new ham.

Any how back to the antenna, we discover that we left the lead sinkers at home so a quick trip to Trumans store is in order. Carefull perusal turns up the ultimate replacement, a 1/2 X 18 thread nut which is gloriously weighty.

I tie the thing onto the string, pull back and let er FLY! Hmmm! about ten feet and that isn't even up. A careful analysis indicates that maybe a lighter line would be in order. I tactfully relay this to John since I don't want him to be disturbed by the apparent lack of progress. He tells me in a moment of pure inspiration, there is hope for him, about his pappys fishing line. His pappy wont miss a few hundred yards of prime monofilament! I tie the nut to the line, pull back and zing! up it goes!

That thing sails up so high and right over a limb better than fifty foot up and then the nut sails off to Segel.

John is standing, on the line! There is no hope for John! Not to be out done we sail another one, Crack! Dead nuts centered on the tree trunk. Next dead nuts centered again! Hmmm need to allow for the mountain water influence... Should have thought

of that. I check where John has his feet, covers lot of territory, aim for the limb ,allow windage,check direction of wind,recalculate windage,add a skosh , note wrist getting numb,attribute it the "K" call ,wind changes,realow different windage,arm now numb, let it fly! Up it goes,over the limb,through the tree tops of at least three trees. bounces off the well house and comes to rest smack dab in the middle of the chimney of the fire place! John is excited, but being an older,experienced Ham I graciously accept his accolades. Soon the haul rope is on the way with our antennas and we are on he way to beating last years' score of six stations worked.

Already I am thinking of ways to improve this fantastic antenna erection system.I heard of an Atlas Rocket booster for sale surplus. I wonder if it will fit in John's truck? John! ? John! ? Where are you John??.?....

To: "Jerry Shore, AA8GY" <J.SHORE.AA8GY@WORLDNET.ATT.NET>
Subject: newsletter info
Date: Sun, 3 Nov 96 04:10:33 +0000

CB to fly on space shuttle

In an effort to revive the dying Citizens Radio Service in the United States, the National Aeronautics and Space Administration has announced that the next flight of the Space Shuttle Endeavour will carry citizen band radios with which the astronauts will attempt to contact CB operators on earth. All astronauts aboard will be qualified on CB equipment prior to the flight. Training sessions will last four days, with each astronaut spending at least two days riding in the cab of a cross-country 18-wheel semi-tractor trailer rig, and two more days riding with the owners of various pick-up trucks in Tennessee and Georgia. NASA plans to allow the installation of twin quarter-wave 27 MHz whip antennas outside the spacecraft. Radios, power mikes, amplifiers, and echo effects preamplifiers will be provided by Suspect Radio Sales, Inc., Stagnant Pond, OH.--KVM5149 (From the April, 95 issue of the Gearvakf bulletin, KD8MZ ed.

October 3, 1996 Alliance Amateur Radio Club Minutes

The meeting was opened at 7:45 P.M by President Jerry Shore, AA8GY.

A round of introductions was made by the individual members of the club with 17 members in attendance and one Future Ham to be, Terri. Demmey.

The minutes of the previous meeting were published in the Zero Beat. President Jerry, AA8GY, requested a motion to accept the last minutes. Frank, W8WHP so moved. A second was tendered by Ray, K8DEN.

A poll of the membership produced an affirmative vote

Mary Ann, KB81VS then read the treasury report. A motion to accept by Don, K8SOMO and a second by Bob, KB8GAG was presented to the membership. A unanimous affirmation was cast.

A discussion was then held on the menu for the Christmas party. The result was decided by the membership present to have a menu of Strip Steak, Srod and Chicken. Further discussion on the arrangements would be made at a later time.

A series of discussions on Field day and the upcoming Pa Qso party ensued. It was announced that members John, ^{W8ZGA} ~~KD8MQ~~, John, N8PLA and Jim, K8LTG would be going to the wilds of Pa. for the contest.

No new business was discussed and Jerry, AA8GY advised we would need to close to enable the annual election of club officers.

Jim, N8MAA moved the meeting be closed. Jerry KG8RN made a second and an affirmative vote of the membership closed the meeting at 8:00 P.M.

The Election meeting was opened by Don, K8SOMO at 8:11 after the partaking of coffee and donuts by the membership.

The action was furious if not intense. Don and Jerry traded Offices

So Don, K8SOMO was elected president

Jerry AA8GY was elected Vice President

Mary Ann KB81VS agreed to continue as Treasurer

Dave Glass W8UKQ was elected Secretary after it was learned he would agree to continue his commendable work. Vacation is no excuse to keep from being elected here!

Jim K8LTG was elected as Trustee.

Newly elected President Don, K3OMO then held a short meeting to discuss with the membership a request from KC8ENM who is constructing a WEB Page on the internet. It was agreed to send him club information for his project.

Request from N8QWZ for apparently the same type of project was discussed. A motion by John, AA8XQ with a second by Sam Eberling, KC3ETZ requested we get more information prior to sending information on the club. Jack, WSWEN then told the club a story on Roy Henning of WW 2, era.

A drawing of tickets was held for the 50/50 drawing which was won by Mary Ann, KB8IVS.

With no further business for the club Don asked for a motion to adjourn. A motion was made by John, AA8XQ and second by N8EAD. The membership concurred and it all ended about 9:00 P.M.

Jim Ferguson, K8LTG

Acting Secretary

FCC ESTABLISHES FAMILY RADIO SERVICE

The Federal Communications Commission amended Part 95 of its rules May 10 to establish a new, unlicensed personal radio service, to be called the Family Radio Service. This service was created in response to a petition filed by the Radio Shack Division of Tandy Corporation, requesting that the Commission establish a new radio service aimed at providing small groups with an affordable and convenient means of direct, short range (up to one-half mile), two-way voice communication. FRS radios would use 14 channels in the 462 to 468-MHz band. Transceivers would have to be FCC-certified.

The Commission suggests the FRS could be used by hunters, campers, hikers, bicyclists and other outdoor enthusiasts to keep in contact with one another during outings. It could also be used by parents to keep in touch with children playing in the neighborhood, or families or friends to keep in contact with one another while at shopping malls, sporting events, amusements parks and similar locations.--FCC

FROM - The Metropolitan Amateur
Radio Club in North Little Rock, AR.

**TROUT with a Radio
Garnish.....fiction...(ok filler)...**

Jonathan was eight years and thousands of miles away from The Mansion on Turtle Creek. He could only think of El Pancho's at this point. He slid the old fly rod into the Chervette and headed off for a dream ...trout country.

A cool day had sent the old man to the stream. He only had a year left to live. The awkward boy was in the spot where the old man was headed.

The sly rascal -- the kid -- was in a spot that had worked well for him. He watched the kid for a while then decided he'd wander over. When he got close he couldn't help but laugh. The kid had landed a big one. Johanathan had hooked himself

on the back. They managed to land four good ones in a couple of hours. The old man spoke to the kid was to ask if he'd like to use his cleaning table outside his shack, on the side of the hill.

They ended up cooking the fish outside and the old man supplied everything needed for the meal.

Johanathan asked if the antennas were ham antennas -- the conversation lasted until 11:00pm.

The old man had a Propane refrigerator and generator. He had demonstrated 40 cw for the kid and gave him an old ARRL handbook. The kid was thrilled. Johanathan promised to return -- but he never had the chance. Neither ever forgot that day of fish, ham radio and simple friendship.
end

RF and Ham Software continued--

Another Must have is LINC from RF Design magazine last year. This is a windows based rf design program similar to Superstar, MMICAD, Touchstone, CNL2, or Super Compact. You are going to have to type in your own parameters from a data book but then I usually have to with the others anyway. You will have to aquire some rf expertise to use this program but you can't touch the power for the price anywhere I know of -- around \$25 from RF Design Magazine.

W7ZOI's RF Design Text that is advertized every month in QST comes with a usefull set of programs for hams -- includes filter design, crystal filters, biasing, PLLs, cascade nf and intercepts, + several others.

I use a cascade program from RF Design Magazine at work.

Mathcad is less than \$100 and very useful for creating fast cookbooks of mathematical problems you use a lot.

Yagimax is a friendly way of designing Yagi antennas. Shareware.

ELNEC is a very effective way to save lifetimes of work designing wire antennas. Around \$60 advertised every month in QST.

Super Morse or similar is the most effective way to learn Morse code up to about 25 wpm in my opinion. Available as shareware from World wide webb sites.

BPADAP2.EXE request over www per article in RF Design this month for Broadband matching networks for skilled hobbieist and engineers.

GMT clock for Windows -- I just downloaded but have not tried. end

442.350 Machine is back!

*"Everyone gets just so much immortality
and then its time to grow up" --
Garrison Keillor*

AARC November 1996

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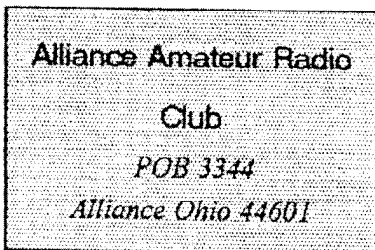
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Editor and Trustees reserve right to edit all submissions. Permission is given to reprint portions of Zero Beat as long as credit is given to author and source. Author unless otherwise noted is AA8GY. Contributions are welcome and can be mailed to editor. Email address inside.



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