

Allen County HamNews

Fort Wayne Radio Club

Allen County Amateur Radio Technical Society

April 2005

Volume 6 Issue 4

ACARTS Spring Ban-

The April program is our annual Spring Banquet. The banquet will be at Ryan's Steakhouse on North Clinton Street, next to Scott's. The date is **April 19, 2005**, and will start at **7:00 PM**. If you plan to attend, you need to make a reservation. Send a email to Vic Berko at "vberko at comcast.net", or call 747-0938 and leave a message saying how many will be attending. The reservation deadline is April 16th.

73,
Vic Berko, KA9LTV



Fort Wayne Radio Club Spring Banquet

Happy Spring! Doesn't that sound good? When spring arrives can the Fort Wayne Radio Club spring banquet be far behind? No, it can't. In fact the banquet will be **May 13, 2005, 6:30 p.m.** at the Good Shepherd United Methodist Church. It is a total carry-in with the club providing table service, punch and coffee. The entertainment this year, I think will be very good. It will be Al Burke, WB9SSE and Jim Pliett, K9OMA giving a presentation on a rocket project with which they have been involved for the past year and a half at Indiana Institute of Technology. I think you will find this very interesting. So, bring a covered dish to share and a good appetite, enjoy the meal and the presentation. – Carole Burke, WB9RUS

April Foxhunt Date Change

The April Foxhunt has been changed to April 10 @ 1:30 PM.

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Allen County HamNews is a monthly joint publication of the Fort Wayne Radio Club (P.O. Box 15127, Fort Wayne, IN) and the Allen County Amateur Radio Technical Society (P.O. Box 10342, Fort Wayne, IN).

Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, wb9uza@arrl.net. Please put "for newsletter" in the subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755.

**Deadline for May issue is Friday, 4/30/05.
Please do NOT send anything in all caps!!**

Internet Home Pages:

Fort Wayne Radio Club:
<http://www.fortwayneradioclub.org>

ACARTS:

<http://www.acarts.com>

Ft Wayne DX Association:

<http://www.qsl.net/fwdxa/>

Hamsplatter

Fort Wayne Radio Club

P.O. Box 15127, Fort Wayne, IN

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President's Corner



Spring is finally here. It is so nice to get some warmer weather and spend more time outside in the fresh air. With the warmer weather come plenty of Ham Radio activities as well.

The April Fort Wayne Radio Club General Meeting is Friday April 15th at 7:00 PM at the Good Shepherd United Methodist Church at the corner of Reed Road and Vance Avenue across from Snider High School. We are back on our normal third Friday of the month. Hopefully you will get your taxes done early enough to come hear Jim, KB9WWM, give a presentation on Near Vertical Incidence System (NVIS) antennas. If you are not familiar with NVIS, there was an article in the January 2005 QST on page 56. Jim has some good experience and I am sure there will be at least one example for you to see at the meeting. Jim always has a great presentation so I am looking forward to this one.

The May FWRC General Meeting will be Friday May 13th. Please note again that this is the second Friday of the month because the third Friday will be opening day of the Dayton Hamvention. May is our annual Spring Banquet and there is more information from Carole, WB9RUS, later in the newsletter. In addition Jim, K9OMA, and Al, WB9SSE, will have pictures from the Indiana Institute of Technology rocket launch in Florida earlier this year.

The June FWRC General Meeting will be back on the third Friday of the month. The meeting is June 17th at 7PM. The subject for June will be the final planning for Field Day weekend. Right now we are still planning on being at the Girl Scout camp at the intersection of Griffen and Holoopeter road off Auburn Road in the north part of Allen County. We will again do QRP night on Friday night June 24th with camping, cookout, and your commercial or home-brew QRP rigs and portable antennas. That is always

a lot of fun. Then Saturday and Sunday will be the regular Field Day weekend activities including the Hog Roast on Saturday evening.

There is also some interest in running a FWRC setup for the ARRL June VHF QSO Party. The club has worked the contest in the past and we are interested in getting involved in this contest again. It is the weekend of June 11th and 12th. This would be a great warm-up for Field Day as well. If you are interested contact Steve, WB9ZIY or Phil, AB9IZ.

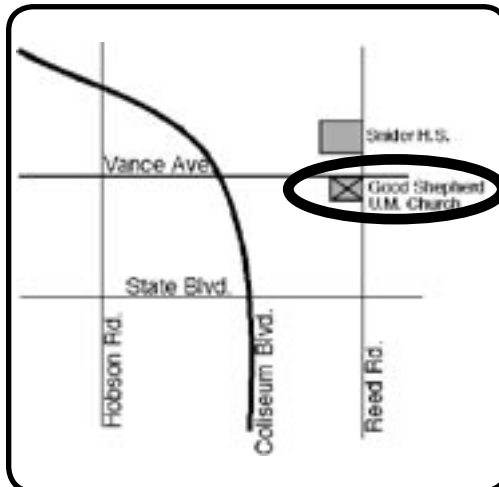
There will also be some public service opportunities coming up this spring for walk-a-thons and other activities. So be listening for calls for assistance.

There is no lack of activities, so make sure we see you at some or all of the events on the Ham Radio calendar this year.

73's

Tom / N9TB

**April Meeting:
Fri, April 15, 7:00 PM
Program:
NVIS Antennas**



Fort Wayne Radio Club Minutes 11 March 2005

The March 2005 meeting of the Fort Wayne Radio Club was held at the Good Shepherd United Methodist Church with President Tom Baker as the host. There were about 26 persons present.

OLD BUSINESS:

There were no minutes from the February meeting as the February meeting consisted of the joint FWRC/ACARTS Skywarn training session and was conducted without a business meeting.

There was no Treasurer's report.

NEW BUSINESS:

Al Burke reported that the February Foxhunt consisted of Jim & Kim Machamer, Debbie Litten and Clint Stedje who hid the object of the hunt in the woods near Jefferson Ave. and Hillegas Rd. Jim & Annie Pliett and Al & Carole Burke were the first to find it followed by Carl Rittenhouse, Woody Woodbury and a cast of thousands (we had a good turnout). The weather was great for a change.

Tom Baker noted that the April program would feature a discussion of near vertical incidence antennas that would be presented by Jim Moehring. The May meeting will feature the annual Spring Banquet. For entertainment Jim Pliett and Al Burke have agreed to prepare a slide and video presentation on the Indiana Institute of Technology rocket project that they supported on behalf of the club during 2004 and early 2005. The presentation will include photos of the student efforts to build the electronics package that flew on the rocket, and videos of the rocket launch from both outside the rocket and from the TV camera that flew on the rocket.

Al Burke reported that American Electric Power had completed the intermod study related to relocating the 146.76 MHz, 146.91 MHz and 444.875 MHz repeaters from AEP's Spy Run site to their Robinson Park site. Apparently the study did not indicate any problems and so we hope to soon start detailed planning with AEP for the repeater move expected to occur this summer.

Tom Baker noted that the move from Spy Run to Robinson Park would necessitate some expenses for new feedline and antennas, professional tower climber

services, and other items. We have therefore scheduled another roasted chicken sale at the Coldwater Wal-Mart that will occur on 27 August. Please mark this event on your calendar and tell your friends and relatives.



Tom Baker announced that we are again planning to reserve the Girl Scout camp for use of Field Day.

Phil Hooper noted that he and Steve Nardin are making plans to conduct a VHF QSO party this spring. It is targeted for June 11, two weeks before Field Day. Further details will follow. Start making plans to participate.

The 50-50 club pot amounted to \$12.00 that was split between the club and winner Dan Soper, KB9NGM. Dan donated his proceeds to the club.

Following the business meeting several club members including Steve Nardin, Jim Moehring and Ken Uhrick discussed various antenna subjects including shortened dipoles for 160 meters, QRZ antennas and Emergency antennas.

Respectfully submitted,
Al Burke, WB9SSE

Gordon West License Study Book Available

Notice to aspiring hams or their Elmer: A Gordon West/W5YI Technician license study book and matching tape set is available to borrow from the Club. Contact Terry Bowman, K9FMX, at 493-7177, or on the 146.94 repeater.

Logbook Forms Now On-line

Need a logbook? Thanks to the efforts of the FWRC webmaster, Kevin Adam, N9IWW, a generalized logbook form in PDF format is now available on the FWRC website <<http://www.fortwayneradioclub.org/>>. Just click on the Printable Log Book Download link on the left side. Just print some of these off, punch, and put them into a binder.

While you are there, check out some of the other links.

STATE OF THE ARTS

Allen County Amateur Radio Technical Society

P.O. Box 10342, Fort Wayne, IN

ACARTS Officers

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President's Message



It is hard to believe that it is April already. That means a few things happen every year that we can count on. First, if you have not renewed your membership, this is the last fantastic newsletter you will be getting. Second, your taxes are due in a few days. Third, it is once again time for our annual Spring Banquet. I will let you decide for yourselves which of the three is the least painful. The Spring banquet takes place of the general meeting in April. It will be on April 19th at Ryan's Steakhouse next to Scott's on North Clinton. Read about the details in the activities article [pg. 1]. There will not be a program or speaker. For the last several years we have made it a social event where we can sit down for a meal, and conversation with other club members. This has worked out well and we are doing so this year.

As you know, for the last two years, the 147.255 machine has been off the air. There are plans to put it back on the air, but with a limited range. It will operate from the repeater site on a temporary antenna. We have a permanent site in the works as soon as all the details can be worked out. At least we will maintain the frequency so we do not lose it. I have also assumed the duties as Trustee of the AC-ARTS repeaters. Our longtime Station Manager/Trustee, Doug Jones, N9NNT, has resigned his positions. I would like to thank Doug for his years of service to the club. As the club still has no Activities Manager, I need some ideas for a May program. If anyone is interested in being the Activities Manager, let me know. That's all I have for this month, see you at the Spring Banquet.

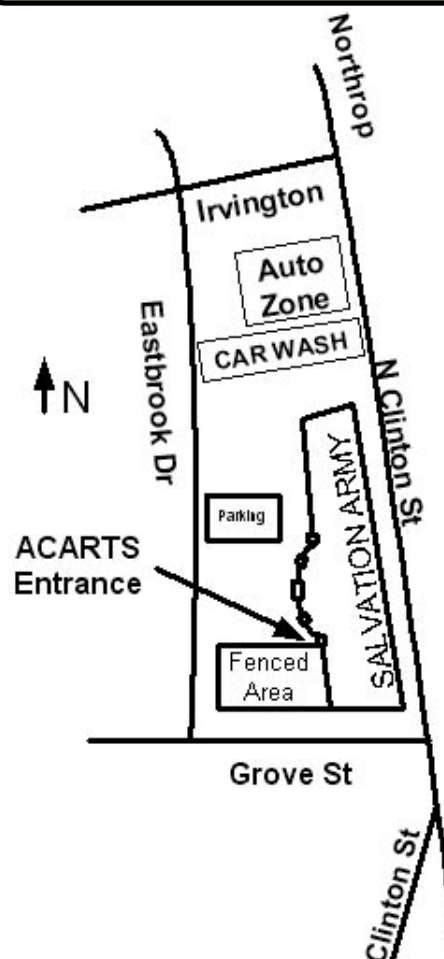
73,
Vic, KA9LTV



Meeting Schedule

ACARTS Spring Banquet: Tue, Apr. 19, Ryan's Steakhouse

Next Board Meeting: 4/12/05
All members are encouraged to attend.



March 2005 ACARTS Board Meeting Minutes

The meeting was called to order by Vic, KA9LTV.

Vic asked if there were any suggestions for filling the Station Manager and W9INX Trustee positions to replace Doug, N9NNT, who resigned from those positions last month. It was decided that the two posts do not have to be held by the same person. Vic volunteered to assume the Trustee position and will fill the appropriate application with the FCC. The Station Manager post remains open.

Jim, KB9IH, asked Joel, KB9RH if the Hamfest vendor list, Hanfest workers list, and club membership list could be run through the National Change of Address process with the Hamfest attendee list this year. Joel said it would not be a problem if he received the information. There would be no extra charge as the attendee list is substantially below the minimum count.

Howard, N9ADS, asked if the Board members thought that the club should consider installing the 147.255 repeater at the AEP site when the Fort Wayne Radio Club moves their 146.76 repeater later this year. FWRC has offered space in their building for the repeater. Technical information would have to be supplied to AEP in the near future if the move were to be made.

The board decided, because of the cost of installation, cost of maintenance, cost of phone line, and the lack of any club members willing to take on the project, that the repeater not be installed and the frequency pair be relinquished.

The topic will be brought before the membership for discussion and a vote at the March general meeting.

Jim, KB9IH, stated that he had had a few complaints the Hamfest did not run a shuttle between Glenbrook Square, Smith Field, and the Hamfest last year. It was decided that the few users in previous years did not justify the expense and that there would not be shuttle service in 2005.

Howard, N9ADS, asked whether the club should keep the Hamfest information phone line that costs about \$500.00 per year to maintain. Dave, WB9UNL, said that he has a voice mailbox that

costs about \$6.00 per month. Howard said that he would see if such a service would be available for the club at a reasonable cost.



Jim, KB9IH, brought up the topic of free Hamfest tickets being sent to area high school electronics classes to increase Hamfest attendance. This was suggested by a vendor at last year's Hamfest. Using a third color, non-numbered ticket, and marking the free tickets ineligible for door prizes was discussed.

Joel, KB9RH, said the Skywarn training last month had good attendance and two new Skywarn Net Operators will be active this year.

A motion to adjourn was made by Howard, N9ADS, and seconded by Jim, KB9IH. The meeting was adjourned at 8:45 pm.

Submitted by Dave Lindquist, W9LKH

March 2005 ACARTS General Meeting Minutes

The meeting was called to order by Vic, KA9LTV.

Vic announced that the April meeting would be the annual Spring Banquet at Ryan's on Tuesday, April 19, 2005 at 7:00 pm.

Following a long discussion, the members present decided to retain the 147.255 repeater and pursue installing the equipment at the Fort Wayne Radio Club site at Robinson Park. Chris, N8YGO, stated that he would help with the installation. Jim, KB9IH, said that he would work with the Fort Wayne Radio Club to provide the preliminary technical information to AEP.

Jim, KB9IH, said that he has received confirmation from the ARRL that they have sanctioned the 2005 Hamfest as the Indiana State Convention.

Due to the length of the business meeting, the planned video presentation was not shown.

The meeting was adjourned at 8:40 pm.

Submitted by Dave Lindquist, W9LKH



Repeater ABC's - (Parts 2 & 3 of a series), Eric Jessen, N8AUC

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How does a repeater work - part 1?

It is safe to say, that if it had not been for the advent of the FM repeater, ham radio in the VHF and UHF frequency bands would not be what it is today. Repeaters act as range extenders that allow low powered and/or mobile stations to communicate over significantly greater distances than they could on their own.

In its simplest form, a repeater consists of a receiver, a transmitter, a duplexer, an antenna, and a controller to make everything work together. The receiver is tuned to the repeater's input frequency, which is the frequency on which you transmit. The controller receives a signal from the receiver telling it that there is a signal on the input. The controller then turns on the transmitter. Your audio is taken from the receiver output, and passed through an audio delay line in the controller, and fed to the input of the transmitter. Typically the repeater transmitter runs from 50 to 100 watts of RF output. A high profile repeater is always located on the top of a tall building, or a big hill. This ensures that the repeater antenna is very high, and in the clear. The combination of antenna height, and high transmitter output power is what gives the repeater its effectiveness.

Why is there an audio delay line in the controller? This is present to give the controller time to work, without losing any of the information you transmit. The delay line becomes even more important when more advanced functions are incorporated into the controller. LEARA's repeaters have lots of advanced features. You can hear the effect of the delay line if you have a second receiver handy. When you hear someone talking on the repeater, tune your second receiver to the repeater output frequency, and tune your main radio to the repeater input frequency. If you are able to hear the transmitting station on the input frequency, you will immediately notice that you will hear the speech on the input frequency well before you hear that same speech come through the repeater transmitter. The effect can be a little disorienting.

The repeater controller is the brains of the operation. It normally contains: a microprocessor, a real time clock, a countdown timer, some memory (both ROM

and RAM), a DTMF (touch tone) decoder, a phone line interface, the audio delay line, signal processing circuitry in the form of amplifiers and filters, and a lot of logic input and output lines to control the receiver and the transmitter. More modern controllers also include a voice synthesizer, and a voice digitizer. These are used for generating computerized voice ID messages, for creating voice mail (yes some controllers let you leave recorded voice messages for other users), and for creating custom pre-recorded ID messages. The program that operates the controller allows commands to be sent that enable the repeater to be remotely controlled. The codes and commands that control the repeater are normally only available to the license trustee and the control operators. This is because they are legally responsible for ensuring the proper operation of the repeater.

How does a repeater work - part 2?

Last time, we talked about what makes up a repeater. This month, we'll look into how the repeater actually works. We'll use the 88 repeater as an example, since it is a relatively simple, single site repeater. Things get a lot more complicated when multiple inputs and a voter is involved, like on the 76 repeater.

The 146.28/146.88 repeater is located in Lakewood, Ohio, very close to Lakewood Hospital. There is a single receiver which listens on your transmit frequency, 146.28 MHz. When you transmit, the receiver hears your signal, and examines it to see if it has the required subaudible (PL) tone of 110.9Hz. If the signal has the necessary PL tone, the receiver squelch is opened, and your transmitted audio is passed to the repeater controller. The controller senses the opening of the squelch at its COR (Carrier Operated Relay) input and starts the timeout timer, and then turns on (or "keys") the repeater transmitter. When the transmitted audio makes it through the audio delay line, it is routed to the input of the transmitter, where it is then heard on the repeater output frequency of 146.88 MHz. This continues until one of the following things happen:

1) If you continue to transmit after the timeout timer counts down to zero, the repeater stops retransmitting your audio, the controller makes a sound effect that sounds like a car crash, and the voice synthesizer announces to the rest of us that you have "timed out" the repeater. The repeater then turns off its transmitter, until you stop transmitting. Then the repeater turns back on the transmitter and the voice synthesizer tells the rest of us how long-winded you were by announcing

Continued on page 10

Indiana Section News for February 2005

Please help spread the word that our grants for the EmComm courses are ending this year. In June, the last seat to be offered under the Corporation for National and Community Service (CNCS)-sponsored grant will open. After that, only a small number of reimbursable seats in each course will be offered under the United Technologies Corporation (UTC) grant through October. At this time, no further grant-sponsored reimbursement for EmComm course students is on the horizon. The monthly registration calendar is found online at <www.arrl.org/cce/calendar.html>. Registration can be done on-line during the applicable registration window at <www.arrl.org/forms.cce/>. As stated at <www.arrl.org/cce/courses.html>, registration via regular mail is also an option. Please include the course you wish to enroll in, your age group, gender, veteran status, preferred email address, and telephone number. If you have further questions, please send them to cce@arrl.org.

The semi-annual spring meeting of the Indiana Radio Club Council will be Saturday, April 2, 2005 from 2-4:00 pm at the Hamilton County Emergency Management Office, 1717 E Pleasant Street, Suite 100, in Noblesville. From SR 32 (Conner) and SR 37, travel 0.4 mi South to 1st Traffic Signal. Turn right (West) on Pleasant Street (Tractor Supply on SW corner). Travel 0.4 mile then turn left into Hamilton County Household Hazardous Waste Center driveway. Emergency Management is the white building to the right.

Each year the Indiana Radio Club Council selects one Hoosier ham to receive this prestigious award during the Indianapolis Hamfest in July at Camp Sertoma. The IRCC Technical Excellence Award nominations deadline is Midnight Friday June 10, 2005. All Indiana amateur radio clubs and organizations need to consider one of their own as a nominee for the IRCC Technical Excellence Award. Send your E-mail entry to Jack Parker W8ISH, IRCC Vice-Chairman, at <w8ish@arrl.net>, or <jparker@iquest.net>.

Announcing the 2005 Indiana QSO Party to be held on May 7. The Hoosier DX Contest Club is sponsoring this event. Details of the Indiana QSO Party can be found at the HDXCC website, <www.hdxcc.org>. Here is an opportunity to make Indiana visible to the world. Please feel free to mention this in your club's newsletter. The HDXCC has developed a Worked All Indiana Award for stations confirming contacts with

all 92 counties (details to be posted on the HDXCC website soon).

Please put the annual Indiana Section ARRL Convention and Fort Wayne Hamfest on your calendar for 2005. The Convention/Hamfest will be held November 19-20, at the Allen County Coliseum in its usual location. This event has become what appears to be Indiana's largest hamfest. Attendance in 2004 was in excess of 5000 attendees. The ARRL Executive Committee has already approved this Convention/Hamfest for 2005.

I am continuing to search for a new Affiliated Club Coordinator for the Indiana ARRL Section Staff, as our current ACC, Roy Jackson N9RG will be leaving Indiana in the near future. Please write or e-mail me if you are interested. The appointment description is on the League's website.

73,

ARRL Indiana Section
Section Manager: James S. Sellers, K9ZBM
k9zbm@arrl.org

Third-party Traffic List To Include All UK Stations

From *The ARRL Letter* – The FCC is expected to soon update its Web site listing of countries with which US Amateur Radio Service licensees may exchange third-party traffic (ie, messages on behalf of a party other than the control operator).

The updated list will include all amateur stations in the United Kingdom (the UK, the Channel Islands, including Guernsey and Jersey, Great Britain, the Isle of Man and Northern Ireland). The change is already effective. Section 97.115 of the FCC's Amateur Radio Service rules regulates communications from a station's control operator (first party) to another amateur station's control operator (second party) on behalf of another person (third party). No FCC-regulated amateur station may transmit messages for a third party to any amateur station located within the jurisdiction of any foreign government not on the FCC list or whose administration has not made specific arrangements with the US to allow amateur stations to transmit international communications on behalf of third parties. The prohibition regarding third-party traffic does not apply to messages for any third party who is eligible to be the control operator of the station. The FCC list of countries that have third-party agreements with the US is on the FCC Web site <<http://wireless.fcc.gov/services/amateur/about/intoperating.html>>.





Severe Weather Notes

Thanks to all who attended the Fort Wayne Radio Club February meeting for our annual storm spotter training session. This year's training was given by Sam Lashley of the National Weather Service office in North Webster. Although there was not much new material, this was a good review for veteran spotters, and a good introduction for newly-licensed amateurs (welcome to all of you!). This basic training was followed by an advanced training seminar in Elkhart on March 12. Out of the 37 counties in the IWX county warning area, Allen County had the second highest number of attendees (Elkhart County was first). Great response! The IMO Skywarn group would like to thank the volunteers from Allen County who helped with the snacks and cleanup afterward. We received several compliments for our efforts.

We have some new net controls this year, and hopefully their presence will take some of the load off the current operators. Welcome to Bernie K9JDF, Richard N9HRA, and Brian N9RYI to the NCS group. Bernie was one of the operators at the former NWS office in Fort Wayne, and also has helped out in many post-disaster efforts. Richard has also run some disaster recovery nets, and Brian is employed in the communications field. Please give them your fullest cooperation and courtesy as net controls. Also, the IMO group has added some new net control operators at the NWS office, so that should help alleviate some of the "burnout" that has caught up with some of their net controls.

I have made a frequency map for the 37 counties under the responsibility of the North Webster office. They are on the ACARTS web site (www.acarts.com). I'm also sending the files to the IMO group, and hopefully they will have the same map in the near future (www.imoskywarn.org).

We narrowly escaped our first encounter with severe weather on wednesday March 30. Earlier in the day, an area from Iowa to northern Indiana was placed in a "moderate" risk area for severe thunderstorms. A rather intense low pressure system and a strong cold front generated 14 tornadoes and almost 200 reports of hail - mainly in Iowa, Illinois and southern Wisconsin. However, after sunset the storms weakened and evolved into a non-severe squall line that moved across northeastern Indiana/northwest Ohio during the early morning hours.

from Joel KB9RH

ARMAD News



Amateur Radio Military Appreciation Day extends a warm welcome to all Amateur's in the Fort Wayne radio club, the ACARTS ARC, and other surrounding Clubs as well as Amateurs that wish to participate in this years event. You are welcome to join us for a few hours of fun, and public service as we give the amateur radio hobby a boost in community relations. This years event will include over three times the number of Clubs as last years event. There Will also be many surprise guests, and locations this year.

Fort Wayne ARMAD will need assistance at the Memorial Stadium, and **we will also operate from the Kruse WWII Museum this year.** The Kruse location will only need about 4 operators, as it will be IRLP only unless there is an interest for HF by the volunteers.

Please contact N9KNJ / Ron Kaufman, N9HRA / Richard Andrews or Emery McClendon / KB9IBW if you want to sign up to work this years event. Also you may contact N9NAI / Bill Meints on 145.700 or on the 145.330 Repeater.

Contact information for the ARMAD officers listed above can be found at www.freewebs.com/kb9ibw.

Thank you for your assistance for ARMAD 2005, and we look forward to letting our communities know that amateur radio is a great hobby.

LET'S HAM IT UP FOR THE TROOPS!

Emery / KB9IBW

DXCC Desk Approves Operations For DXCC Credit



From *The ARRL Letter* – The ARRL DXCC Desk has approved these operations for DXCC credit: TT8AMO, Chad, current operation effective March 9, 2005; 6O0X, Somalia, November 18-26, 2004. For more information, visit the DXCC Web page. "DXCC Frequently Asked Questions" <<http://www.arrl.org/awards/dxcc/faq/>> can answer most questions about the DXCC program. ARRL DX bulletins are available on the W1AW DX Bulletins page <<http://www.arrl.org/w1aw/dx/>>.

Test Points

14-Apr-2005
 Sponsor: GOSHEN ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: PAUL F COREY
 (574)262-4414
 Email: PAUL.CORY.B@BAYER.COM WORK
 VEC: ARRL/VEC
 Location: GREENCROFT RETIREMENT CENTER
 HOMAN BUILDING
 GREENCROFT BLVD
 GOSHEN, IN 46525

28-May-2005
 Sponsor: W5YI-VEC -- WHITLEY COUNTY ARC
 Time: 9:00 AM (Walk-ins allowed)
 Contact: ROGER L MC ENTARFER
 (260)503-9008
 Email: N9QCL@ARRL.NET
 VEC: W5YI VEC
 Location: WHITLEY COUNTY JAIL
 BASEMENT MEETING ROOM
 101 W MARKET ST - SUITE C
 COLUMBIA CITY, IN 46725

28-May-2005
 Sponsor: UNSPONSORED
 Time: 2:00 PM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: VAN WERT COUNTY EMA
 1220 OLD LINCOLN HWY
 HOMELAND SECURITY BUILDING
 VAN WERT, OH 45891

14-Jul-2005
 Sponsor: GOSHEN ARC
 Time: 7:00 PM (Walk-ins allowed)
 Contact: PAUL F COREY
 (574)262-4414

Email: PAUL.CORY.B@BAYER.COM
 WORK
 VEC: ARRL/VEC
 Location: GREENCROFT RETIREMENT
 CENTER
 HOMAN BUILDING
 GREENCROFT BLVD
 GOSHEN, IN 46525



17-Jul-2005
 Sponsor: UNSPONSORED
 Time: 2:00 PM (No walk-ins)
 Contact: ROBERT E HIGH
 (419)795-5763
 VEC: ARRL/VEC
 Location: VAN WERT COUNTY EMA
 1220 OLD LINCOLN HWY
 HOMELAND SECURITY BUILDING
 VAN WERT, OH 45891

2005 Foxhunt Schedule

April 10 – 1:30 PM
Note date change!
 May 2 – 6:30 PM
 June 6 – 6:30 PM
 July 11 – 6:30 PM
 Aug 1 – 6:30 PM
 Sept 12 – 6:30 PM
 Oct 3 – 6:30 PM
 Nov 6 – 1:30 PM
 Dec. – none



All foxhunts start at off track betting parking lot,
 Washington Ctr. & Lima Rds.

Carl, N9NRO

Regional Hamfests

<u>Date</u>	<u>Location</u>	<u>Contact Phone</u>	<u>URL or E-mail</u>
17 Apr 2005	Cuyahoga Falls, OH	330-688-2013	http://www.cfarc.org
7 May 2005	Cadillac, MI	231-743-6860	http://members.fortunecity.com/wexaukee
20-22 May 2005	Dayton, OH	937-255-3947	http://www.hamvention.org
12 Jun 2005	DuPage Co. Fairgrounds, IL		http://www.qsl.net/k9ona
19 Jun 2005	Monroe, MI	734-242-9487	http://www.mcrc.org/hamfest.htm
9 Jul 2005	Indianapolis, IN	317-261-6658	http://www.indyhamfest.com/

For more complete information go to <http://www.acarts.com/hamfests.htm> or <http://www.arrl.org/hamfests.html#listing>



For Sale & Wanted

For Sale:

- Pacific Digital 52x24x52 CD burner, IDE internal, Nero software, like new, in box, \$30,

- VHF amp, 100 W, mfg. by TPL, \$70

contact:

Vic Guess, WB9UZA
wb9uza@arrl.net
260-485-7472.

* * *

For Sale:

- ARRL Handbooks:
 - from 1947 and 1949 - Fair condition. Missing covers. Complete and pages in good condition. \$5 each
 - from 1978 - Excellent condition. \$7.50
 - from 1990 and 1994 - Hard Cover. Excellent condition. \$15 each
 - from 2002. Like new. \$20
- MFJ 407C Electronic Keyer. \$50
- Heil Gold Line Mic model GM-5. HC-5 element. Includes original packaging, CC-1-Y cable (for Yaesu radios 8 pin), TB-1 Table stand (Cast Iron base and arm). All items are in like new condition. \$150.00
- INRAD 500 Hz filter for the Yaesu FT-1000MP MK V and MK V Field radios. Filter is for the 455 kHz if and will mount in either the main or aux receiver positions. LN in original box. \$100.00

Trades considered and all reasonable offers considered.

Contact:

Mike Stover W9MWS
Fort Wayne, IN 46835
w9mws@arrl.net
(260) 485-7448

Repeater Basics, cont. from pg. 6

how long the repeater was "timed out". During normal hours, the timeout timer is set at the maximum value allowed by FCC rule, which is 3 minutes. After midnight, the timer is reduced to 90 seconds. Or..

2) When you stop transmitting, the receiver no longer hears your signal, notices that there is no PL present anymore, and closes its squelch. This deactivates the COR signal to the controller. A short time later, the transmitter is turned off. This time delay is called the "hang time", and it is there so that the audio delay line in the controller has time to finish sending whatever has already been received. The controller then resets the timeout timer, and transmits a "courtesy tone" to let others know that the full 3 minute period is available for the next user. The courtesy tone is the "boop" tone you hear. When you are in a conversation with another station and the other party stops talking, wait until you hear the "boop" before you begin transmitting. If you don't "wait for the boop", you could time-out the repeater yourself. So..remember to wait for the boop!

In the case of the 88 repeater, the transmitter sends PL all the time while it is transmitting. This is done so you can use the PL decoder on your receiver to help you cut down on the amount of intermodulation interference received by your radio. This is what is referred to as "intermod", and is commonly caused by VHF paging transmitters. Very thoughtful of us, isn't it?

Why do we require that you transmit a subaudible, or PL tone in order to use the repeater? Contrary to the opinion that some folks have, it is not to have a "closed repeater", or to keep people out. We actually want you to use our repeaters. That is why they are there. The reason why we require PL is to prevent spurious signals from OUTSIDE the ham bands from getting into the repeater. It is also done to make sure YOU can use the repeater during times when the band is "up", and we are experiencing good DX conditions on the 2 meter band. Signals from out of the local area probably will have a different PL tone (if any) on them.

So, there you have it. Now you know how the repeater works "its magic". Next month, we'll look at what you can expect in terms of performance from the fine repeaters of LEARA!

Membership Application for FWRC - and/or - ACARTS

Name: _____ Call sign: _____ License class: _____

Street address: _____ City: _____

State: _____ ZIP : _____-4_____ Phone #: (_____) _____-_____ Unlisted? Yes

Email address: _____ ARRL Member? Yes

(ARRL membership helps your club maintain affiliation.)

May we list your name, call & email address in our membership roster and on our club web site? Yes No

Both clubs now offer this newsletter as a downloadable (Adobe Acrobat) PDF file, in lieu of a paper copy sent through the mail. For FWRC a mailed paper newsletter is a \$6.00/yr. premium.

How would you like your newsletter delivered? by snail mail download from web site.

Fort Wayne Radio Club Dues

- | | |
|-----------------------------------|---|
| Regular membership | <input type="checkbox"/> \$15.00 / year |
| Family membership ¹ | <input type="checkbox"/> \$21.00 / year |
| Student membership ² | <input type="checkbox"/> \$6.00 / year |
| Associate membership ³ | <input type="checkbox"/> \$15.00 / year |
| Mailed newsletter | <input type="checkbox"/> \$6.00 / year |

(Memberships for Jul - Dec are 1/2 the stated amounts.)

A.C.A.R.T.S. Dues

- | | |
|--|---|
| Regular membership | <input type="checkbox"/> \$12.00 / year |
| Additional family members ¹ | <input type="checkbox"/> \$6.00 / year |
| Student membership ² | <input type="checkbox"/> \$6.00 / year |
| Associate membership ³ | <input type="checkbox"/> \$6.00 / year |

(New Regular memberships are \$1/month)

1. Please list all names and calls on an attached sheet.
2. K-12 or full time student

3. unlicensed member
4. 9 digit ZIP code required for US bulk mail

Please attach a check (number _____) for the appropriate amount and bring to a club meeting or mail to:

Fort Wayne Radio Club
PO Box 15127
Fort Wayne, IN 46885

A.C.A.R.T.S.
PO Box 10342
Fort Wayne, IN 46851

For dual membership, fill out both sides and send 2 checks to either club. **Payment by check is strongly encouraged!**

ACARTS Voice Repeaters

- 146.880 (-) General use / Skywarn priority
- 147.255 (+) General use / Autopatch priority*
- 443.800 (+) General use

(All repeaters have autopatch, but 88 has only speed dial emergency #'s.)

ACARTS Digital Repeaters (digipeaters)

- 144.390 (s) APRS - wide

Fort Wayne Radio Club Repeaters

- Voice: 146.76 (-) General use
- 146.94 (-) General use with autopatch
- 146.91 (-) Autopatch only
- 444.875 (+) General use
- ATV: 439.25 In, 910.250 Out, 144.340 Audio & control

Area Traffic Nets

(please submit any changes or corrections to the editor)

- IMO:** meets nightly at 6:30 p.m. (2330 UTC) on 146.88
- Auburn:** meets Mon., Tue., Wed., Thur., Fri., & Sat. at 6 p.m. (2300 UTC) on 147.36(+)

- 21 Repeater Group:** meets each Wednesday at 9 p.m. (0200 UTC) on 147.150

Help and Swap Net: Mondays @ 8:30 p.m. 146.94(-)

Miscellaneous Nets

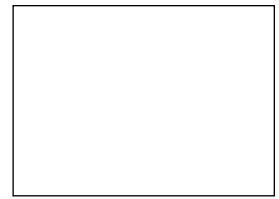
Huntington ARES: Saturday at 8:00 p.m. (0100 UTC) on 146.685

Whitley Co. / ARES: Wednesdays at 7:15 p.m. (0015 UTC) on 145.270 (Note 131.8 PL disabled for all nets)

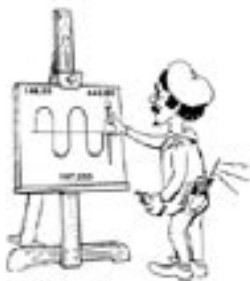
Whitley Co. Sunday: Sundays at 7:45 p.m. (0045 UTC) on 444.550 +. (The 146.460 simplex crossbanding from both nets has been dropped.)

160 Meter "No-Name" Net: Sunday and Wednesday nights at 8:00 PM Indiana time (0100 UTC). On 1966 kHz. Everyone welcome!

Allen County HamNews
 PO BOX 10342
 FORT WAYNE, IN 46851



TO:



WGIX/R



Activities Calendar

Date	Time	Event	Place
4/12/05	7:30 PM	ACARTS Board Meeting	Salvation Army Center
4/15/05	7:00 PM	FWRC Meeting	GSUMC
4/19/05	7:00 PM	ACARTS Spring Banquet	Ryan's Steakhouse
4/30/05		deadline for May ACHN items	
5/2/05	6:30 PM	Foxhunt off track betting parking lot, Washington Ctr. & Lima Rds.	
5/3/05	7:00 PM	FWRC Board Meeting	GSUMC
5/10/05	7:30 PM	ACARTS Board Meeting	Salvation Army Center
5/13/05	6:30 PM	FWRC Spring Banquet	GSUMC
5/17/05	7:30 PM	ACARTS General Meeting	Salvation Army Center
5/20-22/05		Dayton Hamfest	Dayton, OH
6/3/05		deadline for June ACHN items	
6/6/05	6:30 PM	Foxhunt off track betting parking lot, Washington Ctr. & Lima Rds.	
6/7/05	7:00 PM	FWRC Board Meeting	GSUMC
6/14/05	7:30 PM	ACARTS Board Meeting	Salvation Army Center
6/17/05	7:00 PM	FWRC Meeting	GSUMC
6/21/05	7:30 PM	ACARTS General Meeting	Salvation Army Center
7/1/05		deadline for July ACHN items	