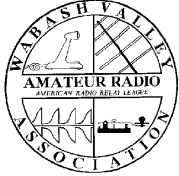


REGULAR EVENTS

Friday, General Meeting, 7:30 PM, Red Cross Bldg.,
Apr. 4 700 S. 3rd. (1st Friday of each month.)
Monday, Board Meeting, 6:30 PM, Glas-Col., 7th &
Apr. 7 Hulman (Monday following the Gen. Mtg.)
Every Thursday The Club Station is open, 7:00 - 9:00 PM,
Downstairs, Red Cross Bldg., 700 S. 3rd.

SPECIAL EVENTS

Field Day Planning Meeting March 29
CAARLA Tea - At home of KA9ALI / K9ERE. May 4
Dayton Bus / Terre Haute Triathlon May 17
Dayton Hamvention May 16, 17, 18



THE

BANDSPREAD

OFFICIAL PUBLICATION OF THE WABASH VALLEY AMATEUR RADIO ASSOCIATION, INC.

APRIL 2003



K9CAT & K9DUR EARN THIS YEAR'S BRENTLINGER AWARD

It is a well-known fact that Ray and Natalie Andrews do things together. So it's no surprise that this year there were two recipient of the Brentlinger Award. Over the years, Ray and Natalie have played a significant part in fostering Amateur Radio in the Wabash Valley.

Ray's Amateur Radio career began back in 1960 on the East Coast where he was a member of the South Jersey Radio Association. Later, in Indiana he was a member of the Indianapolis Radio Club and later, the Purdue University Radio Club.

An ARRL life member since 1974, Ray has been active in many Indiana organizations. Long before Skywarn was a familiar word in the Amateur Radio lexicon, Ray was part of a Marion Co. RACES group that introduced the concept of ham spotters to the National Weather Service. He has served in various leadership roles including Marion Co. EC, Marion Co. Races Radio Officer, President and Trustee of the WVARA and Treasurer of the Indiana Radio Club Council. He has also been an accredited VE since 1985.

A leader in her own right, Natalie was twice elected to the WVARA Board of Directors as secretary. Natalie has used Amateur Radio to serve the community as she spent countless hours in volunteer work for the Red Cross. In October of 2000, she won the coveted John K. Lamb Award for volunteer public service to the Wabash Valley. Her contributions to WVARA activities such as Field Day and the Tailgate Party made both events much more enjoyable. Recently, Natalie was instrumental in the formation of a local YLRL chapter, the Crossroads of America Amateur Radio Ladies, or CAARLA, for short.

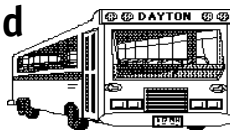


Natalie, K9CAT and Ray, K9DUR, receive their Brentlinger plaque from Kevin, K9HX

Not insignificant is the fact that Natalie has been by Ray's side and has provided the support Ray needed to allow him to spend time supporting Amateur Radio. In fact "RayNatalie" is often said as one word around here.

Congratulations to both of them for an award well-deserved. -Ed.

**May 17th Draws
Ever Closer and...
We Need
You**



On the Dayton Bus!

Send in the form on Page 7

**Terre Haute Triathlon
Saturday May 17**



See Dave, N9YNF: n9ynf@arrl.net

**NETS 146.850*
K9IKQ/R**

Sunday Morning 8:20 AM (EST)
ARES Net
Sunday Evening 9:00 PM (EST)
WVARA Net*

* First Sunday of the month is Simplex night. The WVARA Net meets on 146.595



General Meeting Minutes 03/07/03

The meeting was called to order at 7:32 P.M. by Club President, Kevin Berlen. Following the Pledge of Allegiance, those present introduced themselves. **ANNOUNCEMENTS:** 1) There are two sign-up sheets being passed around. One is for attendance; the second is to let us know if you are interested in receiving the Bandspread electronically. 2) The March Board Meeting will be held Monday, March 10 at Glascol at 7th and Hulman. Anyone interested in attending is welcome; there will be a talk in on the Club simplex frequency. 3) The deadline for articles for the Bandspread is Saturday, March 15. 4) The Brentlinger Award dinner will be Saturday, March 22 at World Gospel Church. We will begin gathering at 6:30 with dinner at 7:00. Dave Tucek, KC9CNF, will be our speaker. Dave is a new ham and an excellent speaker. The cost of the dinner is \$15 per person and the deadline for reservations is March 15. 5) The topic of next month's Club meeting will be Cockpit Voice Recorders, presented by Dale Blackwell. 6) VE testing will be tomorrow in Marshall. See Ray, K9DUR, or John N9YRX, if you have any questions. 7) QCWA and CAARLA meetings will be held tomorrow at Cyprus Grille at 12:30 P.M. 8) Dayton Bus is \$30 per person again this year. John, N9YRX, is coordinating this trip. Reservations should be turned in to him or to any Board Member as soon as possible. The bus will be leaving Turner Bus Lot at 4:30 a.m. May 17. 9) Jim, WD9EYB, announced that the Eastside Ham Club will sponsor a hidden transmitter hunt on Sunday, March 23. Dave, N9YNF, will be the fox for this mobile hunt. 10) Dave, N9YNF, announced that the Terre Haute Triathlon, for which we will assist with communications, will also be held on May 17. This will consist of a bike route, swim and a HeritageTrail run. Anyone interested in assisting in this community event, please contact Dave as soon as possible. 11) Ray, K9DUR, requested that if you and/or family members want to receive the Bandspread electronically, please put your e-mail address on the sheet being passed around. 12) Ray, K9DUR, also announced that CAARLA (Crossroads of American Amateur Ladies Association) has received its call sign, which is KC9DID. Ray is developing a Web Site for CAARLA. More information will follow. 13) Chris, N9VFD, reported that the Club's participation in the Hovercraft event was well received by the Hovercraft community and reported in their national Hovercraft newsletter. Chris distributed copies of the Newsletters to those who were interested; a copy is also on file with the Club secretary. Prior to the business meeting a video from the ARRL featuring Walter Cronkite, who is also licensed, was shown. The video featured amateur radio being used as emergency communication during real disaster situations. **BUSINESS MEETING:** Secretary's Report was presented by Debbie, KC9AOR, as published in the Bandspread. A correction to the meeting dates was noted for both the Club and Board meetings, to be changed from March to February. John seconded the motion to accept the minutes as corrected. The motion carried. The **TREASURER'S REPORT** was presented by Don, K9DRP, who reported the current balance of \$3,555.78. K9DUR seconded the motion to accept the report as presented. The motion carried. **OLD BUSINESS:** 1) Status of APRS Digipeater/Upgrades by Dave, N9YNF. He reported that all parts have been received and he plans to have the system up and operational by next weekend. 2) Repeater issues: Kevin, K9HX, reported that he has not received confirmation from the Indiana Repeater Council that we will have the requested frequency. Kevin foresees no problem with us receiving the desired frequency but we cannot make any final plans until we receive that confirmation.

The tentative date for making the change, assuming that we receive the confirmation soon, is June 5, 2003. Kevin would like to have 3 - 4 months to make sure everyone is made aware of the change. The change should be finalized in time to be included in the 2004 repeater directory. **NEW BUSINESS:** 1) 2004 Bison Stampede. Do we as a Club wish to sponsor this contest for 2004? Ray, K9DUR, explained that the Hamilton County Radio Club sponsored this in 2002 and will sponsor it again in 2003. However, they would like to have another club serve as an understudy for 2003 and then assume sponsorship in 2004. We need to decide if the Club is interested in sponsoring this HF QSO contest. It would involve the use of the Club Station; we would be responsible for handling all the publicity, coordination of the event and processing the logs and certificates. The contest is generally held in September and is a weekend event. If we want to do this, we need to let the IRCC know at their April meeting. Dave, N9YNF, asked what our cost would be for mailing of certificates. Ray responded that the cost is negligible, with maybe 6-10 certificates to mail; we can seek donations to cover our expenses. We will have a web page with contest rules posted. It was suggested by Jim, WD9EYB, that we use a similar method of scoring as other Indiana QSO parties and have the logs e-mailed to us as much as possible. Ray moved that our Club sponsor the 2004 Bison Stampede. Jim, WD9EYB, seconded the motion. The motion passed. Ray will relay our desire to sponsor the 2004 Bison Stampede to the Chairperson of the IRCC. 2) Electronic distribution of the Bandspread. A sign-up sheet is being passed around to let us know who would be interested in receiving the Bandspread electronically. We plan to do a trial run in April or May for those interested. We are planning to make electronic distribution an option for those who would like to receive *The Bandspread* in this manner. The first month or two, volunteers will receive both the electronic and mail versions of *The Bandspread* to allow us time to make sure everything is working smoothly. We will continue to mail *The Bandspread* to those who do not want to receive it electronically. The purpose of electronic distribution is to reduce the Club's cost; the publishing and mailing of the Bandspread is the largest single expense in our budget at a cost of between 80 and 90 cents per issue per month. The Bandspread will be on the W9UUU web site and will be password protected. The password will be distributed to members via e-mail. The current issue is posted as a test on our web site. If you experience any problems, let Dave, N9YNF know. In addition to the cost savings to the Club, another advantage to the electronic Bandspread is that many of the pictures can be sent in their original color format. The most current issues will be password protected, but older copies will be non-protected. 3) Field Day plans were discussed briefly. **INTERMISSION:** The half-pot winner this month was Debbie, KC9AOR. **PROGRAM:** APRS by John, N9YRX. Following the program, the meeting was adjourned at 9:50 P.M.

-Respectfully submitted, Debbie Shorter, Secretary

Board Meeting Minutes 03/10/03

Board Members present: President Kevin Berlen, K9HX; Vice President Gary Adams, W9EEU; Trustee Ray Andrews, K9DUR; Past President Steve Shorter, KB9RQH; Board Member at Large Dave Littlejohn, N9FMD; Treasurer Don Pine, K9DRP; Secretary Debbie Shorter, KC9AOR. Guests: Ted Brentlinger, WB9QFE; Gary Wheeler, K9ERE; Dave Pifer, N9YNF; Nick Pifer, Jay Sotak, AB9CG; and Jim Can-arecci, WA9TGO. The meeting was called to order at 6:37 P.M. by Kevin. Announcements: The Walter Cronkite video shown at the Club meeting will be copied and made available for personal use. Nick's music group at Otter Creek School has discount cards for sale and offers discounts at items at many local businesses. He has a few cards with him and will be glad to take orders. Debbie presented the **SECRETARY'S REPORT** as published in the Bandspread with the noted meeting



date correction. Ray seconded the motion to approve the minutes as corrected. The motion was approved. The **TREASURER'S REPORT** was distributed to the Board by Don, K9DRP. Gary, W9EEU, reported that last years books were audited by a committee comprised of Ted, WB9QFE, Gary, K9ERE, and Gary, W9EEU. The Committee found the books to be in order. Don's motion to accept the reports as presented to the Board was seconded by Steve, KB9RQH, and approved by the Board. **OLD BUSINESS:** 1) Meeting Schedule. Gary, W9EEU, reported that WD9EYB will make a presentation in May on 13 cm band; in June we will have a presentation by Ray on operating procedures. Other possibilities such as Cinergy live line demonstration and Slow Scan TV were discussed. 2) Repeater Issues (a) Repeater Coordination: Kevin, K9HX, reported that on Sunday he received an e-mail from Walt and has forwarded it onto Illinois for approval. We cannot do anything official until we receive approval. It was decided that three months recording the announcement of the upcoming change will be adequate. Gary, K9ERE will put an announcement in the Bandspread as soon as Kevin is given the go-ahead. (b) Dave, N9YNF, gave a status report for the APRS; he hopes to have it running by next weekend, depending upon time constraints. There was discussion regarding power needed for APRS. Dave stated that it would run off of the repeater power supply. (c) Kevin reported that he had to make a change to the repeater: he had to change one of the parameters for time until courtesy tone - fixed to 1 second. 3) Club volunteers - we are still looking for a public service event chair. 4) Electronic distribution of Bandspread. Dave, N9YNF, reported that Gary, K9ERE, has all necessary equipment to work with. The Board discussed how to keep the pictures within manageable level and how we use color to enhance the appearance of the newsletter itself, as well as in the pictures. Dave advised that we need to keep each issue under 1 Meg if possible. How to do the upload of the Bandspread was discussed. Gary, W9EEU, said that he could update the calendar of events for the web site if Dave, N9YNF, is not able to do so. Dave plans to let those wanting to try the electronic distribution do so; it will be ready for trial run with the April issue. We will still mail them a paper copy for two issues. Dave will write a note "if you do not want to continue, let us know." Effective with summer issue, those who opt for the electronic distribution will no longer receive a mailed copy. Dave will write a short note for the Bandspread. He wants to coordinate this, at least until all of the "bugs" have been worked through. Kevin led a discussion of the use of a password. It was decided that the current issue and the one previous issue will be password protected. 5) Ray noted that we need to revisit amendments discussed in a previous meeting. Kevin will follow up. 6) The non-member newsletter recipient list was distributed by Ray. The list was discussed and those names/groups who were no longer appropriate for receiving the Bandspread will be removed. Some will be asked if they would like to receive it electronically. 7) Technician level class report: two people passed the code while three people are still taking the class. There will be another testing session on March 17 at Ryves Hall. 8) Dayton bus report: Don reported that he has received two reservations so far. 9) Net control class follow-up. The class materials have been refined. They will try to have another class in the Fall. The Board discussed certifying net controls for attending the class or, in lieu of attending class, watch the video tape, review the class materials, and take a post-test. 10) Brentlinger award dinner - Don reported that he has fourteen reserrvations as of this evening. The Committee has chosen a recipient and the trophy will be ready in time for the presentation. Ted consented to do a summary of the meaning of the award. Pictures, which Ray plans to display at the QCWA's meeting room, will also be on dis-

play at the Brentlinger dinner. Setup and cleanup plans for the dinner were discussed. 11) Field Day: Gary reported that the reservation for the community center in Cory have been made and confirmed. The cost will be \$25/day. Dave, N9FMD, announced that the first Field Day planning committee will meet March 29 at 6:30 at Maurizio's on Wabash. Anyone interested is welcome to come. Dave reported that the QCWA would like to set up a nostalgia station for Field Day; it was decided that their station would operate as one of our allowed four stations. That would mean that one of our regular stations would have to be idle during the operation of the nostalgia station. 12) Club station remodeling is proceeding well - Jay reported that it is set up more for emergency operation than for contesting. A lot of clean up and re-arranging has been done and will continue until complete. 13) Tailgate: Don was appointed chairman at the last Board meeting. Dave, N9YNF, will check on the date of the Indianapolis Ham Fest so that we don't plan for the same date. When we set the date, Don will advise the Marine Corp League. We will not be able to set up until that morning, but will just need to arrange tables and chairs to meet our needs. Don will also work on getting flyers out for distribution at upcoming hamfests and to the Dayton bus. It was decided to keep the gate fee at \$3 per head. Gary, W9EEU, proposed that if someone is not a member at time of Tailgate, they be allowed to purchase a membership for \$20 and get into the Tailgate free. The motion carried. **NEW BUSINESS:** 1) 2004 Bison Stampede: Ray volunteered to chair a committee to understudy this year's event with the Hamilton County Radio Association. The contest needs to be publicized in contest journals. Hamilton County has run this for the last two years. This will be their third year and they are putting together a procedure manual which will be very helpful to us as a learning tool this year and when we are on our own next year. 2) PL Tone: Dave, N9FMD, questioned why we don't leave the PL tone on during the weather nets. He noted that without tone, the repeater is sometimes almost unusable. He proposed that for a "watch" we leave it on but turn it off for an actual weather net. 3) Red Cross access codes: All Board Members and those who need to know, need to stop the office and sign their list to receive the code. 4) Ray will order a copy of a directory listing all nets in Indiana. 5) Don received notification that terrorism coverage is available for an additional premium of \$16. It was determined that the policy covering the Club's inventory already covers that so no additional coverage is necessary. Gary moved that we do not purchase the additional coverage. Ray seconded the motion. The motion passed. The meeting was adjourned at 8:43 P.M.

-Respectfully submitted, Debbie Shorter, Secretary

The Bandspread is the official publication of the Wabash Valley Amateur Radio Association, Inc. Organized around 1927, as a non-profit public service organization, it was affiliated with the ARRL on April 5, 1934.

Board Of Directors:

| | |
|-----------------|------------------------|
| President | Kevin Berlen, K9HX |
| Vice-President | Gary Adams, W9EEU |
| Secretary | Debbie Shorter, KC9AOR |
| Treasurer | Don Pine, K9DRP |
| Trustee | Ray Andrews K9DUR |
| Past President | Steve Shorter, KB9RQH |
| Member at Large | Dave Littlejohn, N9FMD |

Bandspread Editor: Gary Wheeler, K9ERE

Bandspread Facilitator: Dave Littlejohn, N9FMD

Bandspread Circulation: Ray, K9DUR & Natalie, K9CAT, Andrews

Send all submissions to: PO Box 81, Terre Haute, IN 47808-0081

Or e-mail the Editor at: k9ere@earthlink.net

Or e-mail the Club at: w9uuu@arll.net

Or e-mail the Discussion Group at: wvara@mailman.qth.net

Also, see our web page at... <http://www.w9uuu.org>

Webmaster: David Pifer, N9YNF

The President's Corner

Well, spring has finally sprung. I am certainly glad that winter has given way to warmer weather. We are in the middle of storm season, and this would be a good time to check out your emergency power supplies and emergency antennas, etc. Also, it is time to get started on all those antenna projects that have been thought about all winter.

Spring and Summer this year promise to be busy with all of the public service activities we normally have. Also as the situation overseas unfolds there may be other opportunities for us to help support the local community. We all need to be alert for any situation that presents an opportunity for amateur radio operators to provide assistance to our country and community.

I would like to take a moment and thank Natalie, K9CAT, and Ray, K9DUR, for the contribution they have made to amateur radio in our community. By now you probably know they were the recipients of the 2003 Brentlinger Award.

I hope everyone has a safe and productive month. I look forward to seeing some of you at the Club meeting and other activities this month.

Kevin, K9HX

The Brentlinger Connection

After the dinner last night, Natalie & I called her mother to tell her about the awards. After asking us a couple of questions about the award, she told us the following story.

Many years ago, she and a friend went to the south side of Terre Haute to meet with a local amateur radio operator. Natalie's mother's friend had a son serving in the armed forces and she had arranged with this local amateur to try to make contact with a station where her son was stationed so she could talk with him.

When they arrived at his house, they learned that they would not be able to make the contact; it was Sunday, December 7, 1941, and amateur radio had been shut down.

Natalie's mother knew for certain that the local amateur they went to see was handicapped, and she thought the name was Brentlinger. Small world isn't it?

Ray, K9DUR

February and March VE Testing Results

February 2 Terre Haute

4 Candidates:
3 New no-code techs
1 Extra

March 8 Marshall

4 Candidates:
1 New no-code tech
2 Techs passed code

March 17 Ryves Hall

4 Candidates: 1 New no-code tech

TNX to all VEs who participated in each location!

APRS - What It's All About

APRS (Automatic Position Reporting System) is more than position reporting. With APRS you can report weather information more accurately than with visual observations. You can send messages and have a documented record of the message. Anything that can be made digital can be reported via APRS.

Things like earthquakes with the magnitude automatically transmitted with the exact location. Of course there is the position reporting. In fact more than one Ham's stolen car has been recovered with the thief still in it by the transmitter reporting positions on a regular interval. The police were told where the car was by someone looking on the Internet or another APRS unit. In the worst case documented the cars were recovered within 45 minutes after they were discovered stolen.

APRS in its simplest form does not require expensive equipment, nor does it require an Einstein to get it running. A simple 2-meter handheld with almost any TNC will do. GPS units can be had for less than \$100. If you want to get a little more fancy add a computer. The oldest, slowest, cheapest computers work fine. If you want to go mobile substitute a Palm Pilot for the computer. Do you want it out of the way? Put it in the trunk except for the Palm. Don't like the Palm? Then get a small handheld computer running Windows-CE. Tuck it between the seats and be ready when you need it. One of the best things about APRS and the digipeater network is you can get messages far beyond the normal repeater range and inside the area not covered by HF with just a 5-watt transmitter. This makes it ideal for emergency services work.

Some people don't like the idea of the Internet coupled with Ham radio. With APRS you don't need the Internet. The Internet can be an enhancement but is not necessary. How popular is this form of Ham radio? From the W9UUU-10 Digi I regularly see over 300 stations a day. It's a form of digital communication that has many possibilities and uses. I encourage anyone who is interested in emergency communications/Ham radio/digital forms of communications to give this more than a cursory look.

I have just completed communications with a satellite using APRS. What good is that? I now know I can communicate from anywhere in the world including the deepest canyon that cannot be reached by regular means to others. Want to have a contest how far we can talk on 5 watts?

John, N9YRX



The joint QCWA/CAARLA lunch gathering will meet at the former Cyprus Grille at Plaza North on Saturday, April 12 at 12:30 P.M.

The program will be Marv Carmony, W9KT, speaking on a topic yet to be disclosed.

All amateurs and family members are welcome; the only requirement is an appetite. Separate meetings will be held after lunch.

Illiana Skywarn Operations

Following are excerpts form an article from 2002 on Skywarn and what we do. We are publishing it by request. While previously published on the WVARA listserv, it has not been published heretofore in The Bandsread.

What does Illinana Skywarn Do?

Like other local groups such as police, sheriff and fire, we call in spotter reports to the Indianapolis Weather Service. Unlike the others, we report our information by radio via the Indiana State Weather Net, which has an Amateur Radio station, W9NWS, right at the NWS office. Some of the NWS personnel are also amateurs.

Also unlike other spotter groups who transmit information only to the NWS, we can talk back and forth to them. This is particularly important because while they can see what is in the clouds, because of the distance and curvature of the earth, they don't know what is going on underneath the clouds, down to the ground. We, on the other hand, can see what's going on under the clouds, however it is difficult for us to read conditions inside individual cells.

So we aid each other. They ask us to send spotters to specific locales and we in turn can ask them directly what is going on inside the clouds above us, upwind of us and what is likely about to happen. They can tell us, for instance, that a dangerous looking storm is actually of little concern because they can see that its interior is in the process of rapidly diminishing. Or they can tell us that that benign-looking sky offers some real danger that is approaching just out of our visual range.

That's what we do. This is how we do it.

As many out there already know, we use a multiple net control system which we ourselves devised in order to... 1) take the overall burden off any one person during times of heavy activity. 2) divide the tasks among the ones most capable of handling that task. 3) act as a backup in a situation where one or more net controls is taken out of action for any number of reasons.

As many also know, we have a new link to the Indianapolis NWS via the 444.350 repeater which is 900ft up on Channel 2's tower. This allows not only the Illiana Skywarn Net but other counties in the 444.350 coverage area to now access Indy, full-quieting, when before they couldn't even get into the Indy net without relaying through us or another net such as the very high profile Morgan Co. repeater which may be busy with its own WX net.

Dave, N9FMD, and I usually handle the local net on 146.850. Dave has a DSL line and can keep up on web-based weather info most efficiently. My main job is usually to handle traffic! But we often switch roles. Others who from time to time act as net controls do one or more of the above jobs.

Keith, WA9DRO, generally handles communications with Indianapolis. While the net is still available on 146.970, we now can link to the state net directly through the 444.350 - but just during times of severe WX. At all other times, the link is down and the 444.350 is just a local 440 repeater.

This new 440 weather link is just in its infancy, but already there are an increasing number of county net controls who forward their information to Indy through our link. To allow our 440 repeater to handle the maximum amount of information possible, we ask ALL individual reports should go to the nearest 2 meter local weather net; NOT to Indianapolis directly through the 440 machine. This will help keep the pressure off the 440 link.

When you hear a "W" as a courtesy tone, you can be sure that we are on the alert for some predicted weather event which may be approaching our area or simply that NWS thinks conditions are right for such occurrences.

But the "W" doesn't necessarily mean that severe weather is immanent. Often, we watch things build for hours and can get really bored and then suddenly things start to happen out in Illinois. It's not uncommon for Illiana Skywarn to prompt activation of the State WX Net, rather than the other way around, because we see it coming long before they do. Sometimes the Indy NWS office doesn't even know what's coming across Illinois before we do.

And things promise to get even better as John, N9YRX, begins to organize spotters out west of him.

So that's how it works. We encourage all interested weather spotters to check into our weather nets. We strongly encourage all spotters to take the yearly spotter training classes that we and others sponsor each year in our area. They are given by professional NWS personnel. You can learn a lot.

TNX to all present and future spotters for your continued support of Illinana Skywarn!

Gary Wheeler, K9ERE, Coordinator, ILLINA SKYWARN NET



Here are a few more pictures from the Brentlinger dinner. Sorry they're so small. - ed.



WB9QFE explains origin of the award



N9YNF presents "It's About Time" to Dave Tucek, KC9CNF



K9HX presents the award



Above: some dinner guests Below: Ray and Natalie and Family



N9FMD videotapes the event

Wabash Valley Amateur Radio Association Inventory Report -- Compiled: 20-March-2003

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Description                Manufacturer                Model Number                Serial Number
=====
Antenna Tuner              Dentron                    160-10AT 1KW              8299
Antenna Tuner, Automatic  Kenwood                   AT-250                    5110051
Antenna, 2m                Decibel Products         DB-224                    <none>
Antenna, 2m                Decibel Products         DB-224                    <none>
Antenna, 2m 19-Element Beam Cushcraft                Boomer (32-19)           <none>
Antenna, HF                B & W                     BWD 1.8-30               <none>
Antenna, HF                GR5V                      <none>
Antenna, HF Beam          Hy-Gain                   TH5DX                     <none>
Battery Charger            Heathkit                   GP-21                     04347
Battery Charger, Automatic Century                    87151                     <none>
Climbing Belt             ONV                        <none>
Computer Interface        AEA                       CP-1                      2167
Computer, PC              IBM                       5150                      0573399
Converter, TV Cable       Jerrold Electronics      JXR-3DI                   <none>
Dummy Load                Heathkit                   Cantenna (HN-31)         03447
Instructograph           Instructograph
Key, Semi-Automatic       Vibroplex
Keyer, Electronic         AEA                       MM-2                      238
Microphone                Electro-Voice             664                      160817
Microphone, Desk         Kenwood                   MC-80                     213
Modem, Packet            AEA/PMI                   PM-1                      234
Monitor, 12" Monochrome  Aamazing                  MM-1288X                 11247550
Multimeter                CalRad                    TK-20K                    <none>
Paddles                   Bencher                   <none>
Power Supply              Kenwood                   PS-430                    4090579
Power Supply, 12V, 2.5A  Micronta                  22-124                    <none>
Power Supply, 12V, 4A    Hawk                      H-125                     <none>
Power Supply, 12V, 4A    Thomson-CSF               NPC 102                   6-130232
Power Supply, 12V, 6A    Staco                     RPS-6                     <none>
Repeater System, 2m      General Electric          MASTR II
Rotator, Antenna         Hy-Gain                   H-IV/CD-45-II           82162
Speaker, External        Kenwood                   SP-430                    6020357
Television                Panasonic                 12G01                     2452877
TNC                        MFJ                       MFJ-1270B                 01015192
TNC                        MFJ                       MFJ-1270B                 <none>
TNC                        Kantronics                KPC-2                     120-03620
Transceiver, 2m All-Mode Kenwood                   TR-9000                   0082462
Transceiver, 2m FM       General Electric          MVP                       8464231
Transceiver, 2m FM       Yaesu                     FT2600M                   1M470281
Transceiver, 2m FM       Kenwood                   TR-7625                   950637
Transceiver, 2m FM       General Electric          MASTR II (MC76AAS66A)    1032615
Transceiver, 2m FM       General Electric          MASTR II (MX76AAS66A)    2126993
Transceiver, 440 MHz FM Alinco                    DR-435T                   T100993
Transceiver, HF          Ten-Tec                   Triton II                 00549
Transceiver, HF          Yaesu                     FT-990                    5F450019
Transceiver, HF          Kenwood                   TS-430S                   4090206
Transmatch                MFJ                       MFJ-941D                 <none>
Wattmeter                 Bird Electronic Corp      Model 43                  125199
Wattmeter Case           Bird Electronic Corp      <none>                    <none>
Wattmeter Element        Bird Electronic Corp      10A                       <none>
Wattmeter Element        Bird Electronic Corp      50C                       <none>
Wattmeter Element        Bird Electronic Corp      250C                      <none>
Wattmeter Element        Bird Electronic Corp      5C                         <none>
Wattmeter Element        Bird Electronic Corp      500H                      <none>
Wattmeter Element        Bird Electronic Corp      100H                      <none>
Wattmeter Element        Bird Electronic Corp      100A                      <none>
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WVARA



PLEASE SEND THIS FORM TO:

**WVARA DAYTON BUS RESERVATIONS
P.O. BOX 81, TERRE HAUTE, IN 47808-0081**

Please make checks payable to: **WVARA**

| | | |
|-------------------|---------------------------|-------|
| Last Name: | First Name: | Call: |
| Address: | | |
| City, State, Zip: | | |
| E-mail: | Phone Number: () - | |

Notes:
 1 - Departure will be Saturday, May 17, 2003, from Turner Coach bus lot, 2135 E. Margaret, at 4:30AM EST SHARP!
 2 - This reservation is for the bus only! You must separately purchase your Hamvention tickets from the Dayton Hamvention, Box 1446, Dayton OH 45401-1446 or check the web site at <http://www.hamvention.org>
 3 - Be sure to indicate your Pick-up/ Drop-off location. Otherwise we will expect you at the Turner Lot at 4:15AM
 4 - There is a breakfast stop in Richmond on the way over and a dinner stop in Indianapolis on the return trip.
 5 - If you have any questions, direct them to the bus coordinator, John, N9YRX, n9yrx@hotmail.com or phone Gary, K9ERE, at (812) 877-4371 or k9ere@earthlink.net

| Select Your Pick-up / Drop-off Location here | |
|--|-----------|
| Turner Coach lot | |
| Brazil I-70 Exit | |
| Cloverdale I-70 Exit | |
| Plainfield I-70 Exit | |
| Post Road I-70 Exit | |
| Payment due : | |
| Number of seats reserved | |
| Total Enclosed (#seats X \$30): | \$ |

Rev. Aug 02

WABASH VALLEY AMATEUR RADIO ASSOCIATION MEMBERSHIP APPLICATION - 2003

Please complete this form and include your dues with it. You may return this application in person or mail to:

**WABASH VALLEY AMATEUR RADIO ASSOCIATION, INC.
P.O. BOX 81
Terre Haute, IN 47808-0081**

Name: _____ Call: _____ License Class _____ ARRL member?
 Address _____ City _____ State _____ Zip _____
 Phone () - E-mail address _____

Date of Birth (Mo/Dy/Yr) ____ / ____ / ____ Year first licensed ____ Year of last renewal ____
 ARES member? QCWA? RACES member? MARS member? New member?
 Please describe any employment or other special skills that might benefit Amateur Radio.

If you are applying for a family membership, please list below, the licensed family members living at home, that you wish to include.

Name: _____ Call: _____ License Class _____ ARRL member?
 Name: _____ Call: _____ License Class _____ ARRL member?
 Name: _____ Call: _____ License Class _____ ARRL member?

Add \$5 per family member above to the Single rate below. To include ARRL membership, see QST for amount.

Dues options: Single (\$20) Family: ARRL membership Total pmt: \$ _____

Note: 1. Payments made Sept. - Dec. apply to membership for the following year; 2. ARRL also has a family membership program. See QST.

Bandspread To Go Electronic

e-Bandspread?

Well after several years of round tuits and other excuses, we believe we have all the pieces in place to start offering The Bandspread electronically!

For the next few months we are going to be running trials, putting the Bandspread in PDF format on the club website. If it works out we will start having color photos and other features in the e-Bandspread.

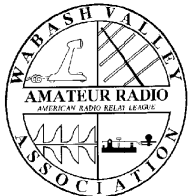
Every month the Bandspread will be converted to a PDF file and password protected. The e-Bandspread will then be uploaded to the Club web site and an email message will be sent to all those who request to receive the electronic subscription to the newsletter. The message will inform them that the current issue is now available and what the password is. We anticipate this to be basically the same day the paper version goes to the printer, so the e-Bandspread subscribers will have the news first. Users will be required to use the Adobe Acrobat reader, which we will have a link to on the page to download if you don't have it already. It's free, BTW.

We will only keep a few previous editions on the website at a time based on how big they are. The passwords will be maintained on the current issue and the previous issue only, all the older issues will have the password removed. Why the passwords you ask? Well it is felt that this is service to our membership and the most current news should be in their hands. Many of the calendar of events and other items are on the web site already so non-members are not missing any events. This is very similar to the way the ARRL website works as well.

Those who had indicated that they were interested in receiving the e-newsletter at the last club meeting will begin by receiving a paper copy and the electronic version over the next couple of months as we work out the bugs in the system. Then at some point, possibly the summer or September issue, they will be converted to the Electronic Only version of *The Bandspread* unless they indicate otherwise. Any one who wasn't at the club meeting in March but who would like to be part of the e-Bandspread edition should contact the Club secretary Debbie Shorter, KC9AOR, at debbie4788@aol.com and request the e-Bandspread version.

David Pifer, N9YNF, Webguy

THE BANDSPREAD - Official Publication of
The Wabash Valley Amateur Radio Association, Inc.
P.O. Box 81
Terre Haute, IN 47808-0081



APRIL 2003

2003= year; NL= Newsletter only; COMP= Complimentary Membership; LIFE=Life Membership If there is no symbol showing on your mailing label, this is a one-time complimentary copy of The Bandspread. If so, we invite you to fill out the enclosed membership form to join the Wabash Valley Amateur Radio Association.

VE Testing

**TERRE HAUTE: 1st Sunday
of even-numbered months**

1 PM local time

Red Cross Bldg.

700 S. 3rd St.

Terre Haute, Indiana

Further information may be obtained from Bob Harker, KC9UU, Terre Haute, IN., at (812) 235-9374 or rjharker@email.msn.com

**MARSHALL: 2nd Saturday
of odd-numbered months**

8:30 AM Illinois time

1st Christian Church

902 N. 6th Street

Marshall, IL 62441

- Walk-Ins Welcome -

For further information, contact:

John Van Sandt, N9YRX (217) 826-8821

Ray Andrews, K9DUR (812) 535-3222

April 6 Terre Haute

May 10 Marshall

