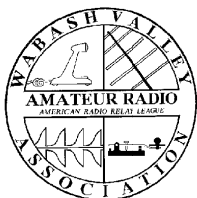


REGULAR EVENTS

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

SPECIAL EVENTS

- Education Committee Planning Mtg., Maurizio's Feb. 1
- First 'Dual' Amateur Radio Class Mar. 1
- Illiana Skywarn WX Spotters' Class-see p. 4..... Mar. 7
- T. H. Triathlon is a national qualifier this year!..... May 21



THE

BANDSPREAD

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

February 2005



EMERGENCY SERVICES ISSUE

Whether we like it or not, 9/11 has brought the world of Amateur Radio back sharply into focus as the single most durable and reliable medium of communications in our present world. Why us? First there are so many of us and second, most of us tend to have battery-backup-equipped stations. You don't? Are you sure? Do you have a radio in your vehicle? Third, some of us have spent the time to gain the experience needed to handle emergency communications in some form and more of us need to.

Whether it be floods, tornadoes, tsunamis or earthquakes, Amateur Radio will be there when all other media fail, due either to their design or their dependence upon commercial power.

This puts extra responsibility on us not only to prepare, but *remain* prepared. Your editor just discovered that the deep-cycle battery under his radio desk has "deeped" for the last time. What shape is yours in? You *do* have one, don't you?

We are now entering the 'traditional' tornado season. Of course tornadoes can occur anytime during the year. You really need to be prepared. (See *ARES Personal Equipment Checklist* in the April, 2004 issue of *The Bandspread*.)

Among others in this issue we have an article on the New Madrid Fault. (See article at right) Pronounced New MADrid, it is not that far from us and we are well within its zone of destruction. We live near a number of other faults here in Indiana as well. So now is the time to prepare! -Ed.

The New Madrid Fault

The recent catastrophic event in Asia represents the kind of large-scale emergency that many Midwesterners believe they are immune to. However, it is important to realize that the largest recorded earthquake in the United States occurred not in the earthquake-prone states of California or Alaska, but near the town of New Madrid, Missouri.

During a 7-week period in 1811-1812 the fault line, which is only 250 miles from Terre Haute, produced three earthquakes that would have registered greater than an 8 on the Richter scale according to scientific estimates (the Richter scale was not developed until 1935). The Asian tsunami was created by a magnitude 9.0 earthquake.

For several years the occurrence of such a large earthquake in the middle of the United States puzzled scientists. This is because of the understanding of how plate tectonics works. Plate tectonics is the theory that the Earth moves on a number of large plates. The movement between two or more of these plate's boundaries are what creates new oceans, produces volcanoes, and large earthquakes.

Recently a Stanford geophysicist offered a reasonable explanation of this large mid-plate earthquake: ice. Mark Zoback believes that the last ice

Cont'd, see **Fault**, p. 4

TWO Scheduled Spring Classes

It has been determined that there is sufficient interest to hold *two* Spring classes this year. In order not to 'lose our faculties' too soon, here is what we are planning.

What: Two classes:

0. Code practice - 6:30 PM.
1. Beginning Tech - 7:00 PM.
2. Upgrade to General - 7:00 PM.

When: Every Tuesday night, beginning March 1, 'till we finish in late May.

Where: World Gospel Church.

Cost: \$20. (includes textbook and materials)

February Program

The Club meeting program is about
SLOW SCAN AMATEUR TV

LOCAL NETS

Wednesday Evening	9:00 pm CST
Clark Co. ARES Net	146.520/S
Thursday Evening	9:00 pm EST
CAARLA Net	146.685/R
Sunday Morning	8:20 am EST
Vigo Co. ARES Net	146.685/R
Sunday Evening	9:00 pm EST
WVARA Net	146.685/R*

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



General Meeting Minutes 01/07/05

The January 7, 2005 WVARA Club meeting was called to order at 7:30 P.M. by Vice President Don Pine, K9DRP. Following the Pledge of Allegiance, also led by Don, those present introduced themselves with name and call sign. There were 21 members and 3 guests present. Announcements: (1) WVARA Board meeting will be held January 10 at 6:00 P.M. Indiana time at Glas-Col Apparatus Co. The Board will be considering 2005 budget items at this meeting. Anyone interested or having business with the Board was advised that talk in is available on 146.595. (2) CAARLA will be meeting Saturday, January 8, at 11:00 A.M. at Saratoga. This will be an "After Christmas Party"; please bring a "white elephant" gift. (3) QCWA will meet at Pizza City on January 8 at 12:30 P.M. (4) Brentlinger Award nominations are due by January 15, 2005. (5) 2005 dues are now being accepted by Chuck, KC9CKK, or by any Board member. (6) VE testing will be held in Marshall Saturday, January 8, at 8:30 A.M., Illinois time. (7) The WVARA Tailgate Party will be March 12, 2005, at the Marine Corp League. (8) Eastside Outdoor Ham Club Holiday Fox Hunt report was given. (9) The Weather Spotters Class will be held at World Gospel Church March 7 at 7:00 P.M. Debbie, KC9AOR, moved that The **Secretary's Report** be approved as published in *The Bandspread*; Kay, KC9HYH seconded the motion. The motion was approved. Don K9DRP presented the **Treasurer's Report** which showed a balance of \$4,162.58 in all accounts; Don moved that the report be approved as presented; John, K9GBO, seconded the motion. The motion carried. **Old Business:** (1) The Tailgate Party was discussed. Help is needed to staff the gate as well as with forums. **New Business:** (1) Budget items for the 2005 budget were presented. (2) Donations are being collected from individuals for the qsl.net server. Following a break and the half-pot drawing, the meeting was adjourned at 8:10 P.M. The evening's scheduled activity, "Check Your Rig Night," followed.

- Respectfully submitted, Debbie Shorter, KC9AOR, Secretary.

Board Meeting Minutes 01/10/05

The WVARA Board meeting January 10, 2005, was called to order by Club President, Gary Adams W9EEU, at 6:01 P.M. Also present were Vice President, Don Pine, K9DRP, Treasurer, Chuck Procaroine, KC9CKK, Past President, Steve Shorter, NT9T, Past President Kevin Berlen, K9HX, Secretary, Debbie Shorter, KC9AOR, Trustee, Dave Pifer, N9YNF and guests Dave Littlejohn, N9FMD, and Gary Wheeler, K9ERE, *Bandspread* editor. Debbie, KC9AOR, moved that The **Secretary's Report** be approved as published in *The Bandspread*; Dave, N9YNF, seconded the motion and the motion was approved. Chuck, KC9CKK, presented The Treasurer's Report with a balance of \$4,585.8 in all accounts. Chuck moved and Don, K9DRP, seconded the motion to accept the **Treasurer's Report** as presented; the motion carried. **Old Business:** (1) Tailgate Party 2005: Don reported that he plans on there being a youth forum by Jim, KA9DIF, and

possibly a packet demonstration; Don will follow up. Gary, K9ERE, reported that he has carpenter aprons for the gate people to wear and suggested a sign up sheet for volunteers, for gate and assistance with set up, tear down, and manning the Club booth. (2) The membership form was discussed. It was decided to drop the year, and to add a place to select if they want to receive *The Bandspread* through the mail. The form on the web will also add an area for special skills. Dave, N9YNF, will make the changes to the form and pass them on the Gary, K9ERE, for *The Bandspread*. The Board also discussed the use of Pay Pal to pay dues on line. In order to remind people who have not renewed their membership, Chuck, KC9CKK, suggested that in March we pull the names from the previous year who have not renewed and send them an application. (3) Qsl.net donations will be accepted from individuals through the March meeting, then those plus the Club donation will be sent in. (4) Steve, NT9T, noted that the deposit for the Turner bus for Dayton is due this week and requested a check for \$100 for that. (5) The Bison Stampede, to be held in May, was discussed. Don, K9DRP, is the chairperson. **New Business:** (1) Gary, K9ERE, announced that the Education Committee has had two requests for a class for Extra as well as two requests for General. (2) He also requested that the Board consider purchasing a two-burner propane stove to use for Field Day and emergency situations we may be asked to assist with. That was discussed and tabled at this time. Gary also suggested that we have a food committee not only for Field Day, but also to help in emergencies. (3) Dave, N9FMD, has made arrangements for ARES units to be available by pager for emergencies and requested the use of the repeater for this purpose. The equipment needed is already on the repeater. Dave, N9YNF, noted that there is no regulation or rule to prohibit it. Following some discussion, Dave, N9YNF, moved that we approve the use of the repeater for the purpose of paging ARES units in emergencies; if there are additional issues, we can review them as they occur. Kevin, K9HX, seconded the motion; the motion was approved. (4) The 2005 budget was reviewed with projected income of \$4,590 and estimated expenses of \$4,710. Kevin, K9HX, moved that the budget be presented to the Club; Steve, NT9T, seconded the motion. The motion was approved. (5) Gary, W9EEU, appointed Kevin, K9HX, as Field Day Coordinator for 2005. (6) The Brentlinger dinner was discussed. Chuck, KC9CKK, will check into the availability of the Co-op in Clinton. Kevin is working on the program. (7) Kevin asked whether the Club would want to bear the expense of a packet digipeater, possibly locating it at ISU. We would need to supply all the equipment at an estimated cost of between \$300 and \$400. Following discussion, it was decided to table this item until next month. (8) The need for additional storage for Club equipment was discussed. There being no further business, Kevin, K9HX, moved and Chuck, KC9CKK, seconded the motion to adjourn. The meeting was adjourned at 8:45 P.M.

-Respectfully submitted, Debbie Shorter, KC9AOR, Secretary.

WVARA Proposed Budget

The President's Corner

Income	Budget	
ARRL Memberships	0.00	
Donations	100.00	
Auction	0.00	
Bank Interest	5.00	
Brentlinger Dinner	400.00	1
Christmas Dinner	400.00	1
Dayton Bus	1,250.00	1
Dues	1,500.00	
Life Memberships	0.00	
Education	200.00	
Half Pot	125.00	
Tailgate Party		
Gates Fees	200.00	
Other	30.00	
Field Day T-Shirts	350.00	1
Fundraisers	30.00	
Total Income	\$ 4,590.00	
Expenses		
Bandsread		
Printing	250.00	2
Postage	250.00	2
Brentlinger Dinner		
Dinner	450.00	1
Award	80.00	
Speaker's Dinner	30.00	
Christmas Dinner		
Dinner	450.00	1
Speaker's Dinner	30.00	
Club Station	200.00	
Dayton Bus	1,089.50	1
Education	200.00	
Field Day		
Facilities	50.00	
Food Etc	150.00	
T-Shirts	350.00	1
Insurance		
Liability	325.00	
Equipment	200.00	
Assoc. Memberships	25.00	
List Server QTH.NET	25.00	
Misc. Operations	75.00	
Non-Profit Fee	10.00	
PO Box Fee	40.00	
Red Cross Donation	200.00	
Repeater	100.00	
Safety Deposit Box	15.00	
Tailgate Party	55.00	
Fundraisers	0.00	
Total Expenses	\$ 4,649.50	
Net Gain (Loss)	\$ (59.50)	

- 1 - Represent budgeted items of an "in and out" nature
 2 - Represent cost of mailing to approx 50 members

I am writing this President's corner while vacationing in Tulsa, OK. I have been watching the weather channel as a major winter storm moves across the Midwest. Changing the channel to various news reports, they are focused on the recent earthquake and resulting tsunami in the Indian Ocean. What comes to my mind is our preparation for emergency communications. We never know when a situation could occur in the Wabash Valley that would result in the need for emergency communications provided by the Amateur radio community.

There are numerous opportunities to improve our knowledge and skills in preparation for an emergency situation. The ARRL offers emergency communication courses as part of the Certification and Continuing Education curriculum. Also, each year Dave Tucek from the NWS teaches the severe storm spotter's class. Dave has a very educational program and is tremendous in sharing information about storm spotting activities. A hands-on opportunity is the simulated emergency test (SET) which is usually held in October of each year. You can also talk to our own Dave Pifer, N9YNF, who is the Section (state) Emergency Coordinator and is always willing to discuss various aspects of emergency communication. These are just a few of the many opportunities that are available to us in the Wabash Valley. The key is to look for and take advantage of opportunities to improve our knowledge and skills.

It has been said that the only thing that makes Amateur Radio "amateur" is that we do not get paid for what we provide. Amateur operators can and do provide a very professional level of communication skills. If we take advantage of opportunities to learn and improve, we can enhance the image of Amateur Radio and provide a valuable service to our communities in a time of need. Get involved, learn and improve your skills, and be prepared when that time comes.

73,
 Gary, W9EEU

FYBO Contest

The Eastside Outdoor Ham Club will be operating in the FYBO contest on Saturday, February 5th, 2005. The FYBO contest is a QRP contest that is very much like Field Day. Like Field Day this contest takes place outdoors - only in February. Consequently, FYBO stands for Freeze Your Butt Off. Rules for the FYBO are available here:

<http://www.azqrp.org/azqrp/FYBO2005.htm>

We will be operating from a shelter in Collett Park on the north side of Terre Haute. The contest starts at 1600 UTC but we probably won't get to the park until about 1:00 PM Terre Haute time. We hope to stay until the contest is over at 2400 UTC the same day. That's 7:00 PM Terre Haute time. Hopefully we haven't died of exposure by then.

Jim, WD9EYB

Fault - Cont'd from p. 1

age (~18,000 years ago) crushed the North American plate down into the Earth. After the glaciers receded the plate started to slowly rebound back up and it is this motion that Zoback suggests created the large earthquake on the New Madrid Fault.

Zoback postulates that earthquakes of this magnitude will occur every 200 to 900 years as the plate continues to rise for the next 10,000 years. It has almost been 200 years since the earthquake in 1811 which was felt in 27 states. An earthquake of that magnitude would have serious consequences, instead of vast tracks of frontier land there are numerous nuclear power plants and large cities that would be affected by a large earthquake now, Zoback said.

By David Williams, Department of Geology, ISU

And TNX to Dave Littlejohn for the leg work on this one.

Origin of "Hi Hi "

"Hi Hi " is the Morse equivalent of a laugh as in Morse, it sounds like someone chuckling ("hehhehheh heh hehheh"). That is ditditditdit dit dit . One night at the radio station, I was in the middle of a CW contact with a very funny older man out east and I had sent "Hi Hi" several times. Melanie (KC9JMC) and Joe (KC9JAC) asked what that was I kept sending. So it was obvious that it stood out as a peculiar sound or had a unique sound to it. You really have to listen to it sent in Morse to appreciate its laugh like sound. It is most commonly used in CW (Morse Code), but has carried over to voice as well. Many CW expressions have carried over to voice -- such as 73 (best regards) and 88 (love and kisses), etc. The origin probably dates back before radio to the telegraph days. And since hams used Morse long before voice became practical--the sound of the Morse characters "HI HI" was used to resemble a laugh sound. In some sense it is equivalent of a smiley.

Your W9UUU Station Manager
Ginger, WB9ZHC

Local ARES and the Flood

Local hams spent much of the weekend on alert as major floods swept through the Wabash Valley, but for the most part our services were not needed.

We met with officials of the county Emergency Management Office, the Red Cross, the Salvation Army, and the Sheriff's Department to be sure these agencies were aware of our availability.

The National Weather Service did ask for assistance on Sunday, because they were unable to get river stage readings from the Clinton area. KC9CKK offered to provide that help, and the report was relayed to Indianapolis within about an hour of the request. NWS officials were pleased to learn that we could perform such a task.

Efforts such as these continue to remind local officials that ham radio operators are close at hand, and ready to help.

-Dave Littlejohn, N9FMD, Vigo Co., ARES

Dear Dr. Elmer...

With a new license and limited experience, how can I get involved in emergency services work?

Your value in emergency services relies on several things, many of which you can control. The most important are training, practice, flexibility, and experience. Training and experience will come. You control flexibility. That only leaves practice.

You practice by participating in local activities. There are several nets held locally every week that provide an opportunity to practice. You will learn net procedures, practice copying traffic by writing down what you hear, even if the message is not addressed to you. Other activities, including a Simulated Emergency Test (SET) and Field Day, provide an opportunity to go where the action is and be a part of it. Many nets include an announcement segment, that will allow you to find out what is going on that might be of interest to you.

Emergency operations will present themselves from time to time, and your opportunity there is to show up, either on the air or in person, find the person in charge and tell them you want to help. You will be assigned duties equal to your experience, and someone will be close by to answer questions and to help.

You will make mistakes as you practice, and who cares. Mistakes are a learning opportunity, and everyone makes them. The people in charge will monitor your work a little more closely, and the mistakes will get fixed.

Specific training opportunities including schools are offered from time to time, and you want to be there. Even if the subject sounds pretty dull, you will learn something from the meeting. Attend the meeting, and ask questions.

We don't know what the next disaster will be, or when. When it does, people will be looking for volunteers and will be very happy to talk to you. The opportunity might be a weekend in an open field, a race through a state park, or maybe a flood. Whatever it is, participate. We look forward to seeing you.

Dr. Elmer is please to answer your Amateur Radio-related questions. Just send them to the Club P.O. box found in the masthead or e-mail the editor at <k9ere@earthlink.net>.

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	Gary Adams, W9EEU
Vice-President	Don Pine, K9DRP
Secretary	Debbie Shorter, KC9AOR
Treasurer	Chuck Procarione, KC9CKK
Trustee	David Pifer, N9YNF
Immediate Past Pres	Kevin Berlen, K9HX
Past President	Steve Shorter, NT9T

Bandspread Editor: Gary Wheeler, K9ERE

Bandspread Facilitator: Dave Littlejohn, N9FMD

Bandspread Circulation: David & Mary Pifer, N9YNF & KB9NLLJ

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

Or e-mail the Club at: w9uuu@arrrl.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



Here are some Christmas pix that didn't make the January edition. If you missed this one, you really missed it! The food! The great entertainment! Did we mention the food?! -Ed.



WABASH VALLEY AMATEUR RADIO ASSOCIATION MEMBERSHIP APPLICATION - 2005

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.

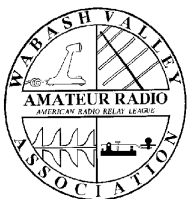
Illiana Skywarn WX Spotters' Meeting

The National Weather Service Indianapolis office in conjunction with Illiana Skywarn is sponsoring a Severe Weather Spotters Training Class. The class will take place on Monday, March 7, 2005 at 7:00pm EST at The World Gospel Church, Terre Haute, Indiana. The Church is located north of I-70 on State Road 46, just north of Poplar St.

This two hour class is designed to train all emergency and/or law enforcement personnel, as well as the public in how to properly identify and report severe weather events to the National Weather Service. These events include hail, damaging winds, funnel clouds, tornadoes and other weather phenomena related to severe thunderstorms. This class is free and open to the public. Seating is limited to 100 and is available on a first come, first served basis.

Since 1972, Illiana Skywarn has used Amateur Radio to exchange timely severe weather related information with the National Weather Service office in Indianapolis. Amateur radio operators across the U.S. work in conjunction with the National Weather Service, through the SKYWARN program, to report severe weather events as they are happening. This information is used in conjunction with RADAR data to issue weather warnings to protect the public.

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



FEBRUARY 2005

2005= 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 Indiana time
Red Cross Bldg.
700 S. 3rd St.
Terre Haute, Indiana

For further information, contact Steve Shorter, NT9T, Terre Haute, IN., at (812) 232-4788 or nt9t@arrl.net

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 or <n9yrx@hotmail.com>

February 6 Terre Haute

March 12 Marshall

