
DeFOREST

AMATEUR RADIO CLUB - K8GE

PO Box 73 - West Union, OH 45693-0073

SERVING SOUTH CENTRAL OHIO SINCE 1974

MARCH 2002

EDITOR: WB8IOW - Jerry S. Paquette

<http://www.qsl.net/k8ge>

The President's Shack

I was glad to see a good turnout at the Tuesday night meeting. We had some new faces and some visitors. Robert Bechdolt presented us with a certificate of appreciation from the Bobby D. White Det. #953 of the Marine Corps League, for our help with the Marine 5K run.

I want to thank Jerry WB8IOW for the Computer Text Reader and the AZZ Card File demonstration.

I have not heard anything about the Vietnam Moving Wall Program yet. I will let everyone know when I hear something.

73 Ed KE8FK

DeForest ARC Meeting March 12, 2002

Our President, ED KE8FK, called the March meeting of the DeForest ARC to order at 7:02 P.M. Everyone joined in the Pledge of Allegiance and introductions followed.

Kim N8YWX announced the club had received 2 free tickets for the Toledo Hamfest on March 17th. Two Hams who planned to attend claimed the tickets. She also announced the Charleston Hamfest that is scheduled for March 16th. Barb N8HIA made a motion to approve the January minutes as published in the newsletter. Pat KC8LVE seconded the motion. Motion passed.

Pat KC8LVE announced that the treasurer's report was from January 1, 2002 through March 12, 2002. She reported total income was \$1,634.00 and expenses were \$473.21 leaving a balance of \$2,298.08 in the treasury. Jerry WB8IOW made a motion to approve the treasurer's report. N8HIA seconded the motion. Motion passed. In addition, WB8IOW called attention to our two new newsletter sponsors AZZ CardFile and Jags Computer Parts. To date, he reported only one former sponsor has not yet renewed and he will follow up on this.

WB8IOW announced that net controls are still needed for this year. Barry KB8OMG volunteered for April. It was also mentioned that Karen KB8QMV has volunteered for July. Thanks to both of you! Anyone interested in running one of our

weekly nets, whether it be for an entire month or one time only, please contact WB8IOW or any club officer.

KE8FK announced that dues are due for this year. He also presented George KK8J, outgoing President a certificate for his contributions to the DeForest ARC.

Robert Bechdolt Commandant of the Bobby D. White Detachment of the Marine Corps League presented a certificate of appreciation to KE8FK for the DeForest ARC support and participation in the Marine Corps League 5-K race for the past 5 years. He also expressed the hope that the DeForest ARC would be able to continue participating in and supporting the event.

Old Business:

Repeater Report: WB8IOW advised that the repeater was working pretty well and that he hopes to be able to go to the site in the near future for routine maintenance.

ARES report: WB8IOW announced that he sent out information to EC's in District 4 on the terror threat warning level system that was put out today by Homeland Security Chief Tom Ridge. He also

included scenario information that could be used for this year's SET drills. WB8IOW also stated that he is currently looking for a replacement for the DEC position in District 4. As he stated, his acceptance of the position in May 1998 was only intended to be temporary and that he will likely turn the reins over after this year's SET drill. N8HIA announced that as Adams County EC, she is responsible for sending in reports documenting the ARES activities in the club. She stated that she is looking for a replacement as well. Anyone who is interested in the position can get in touch with Barb. N8YWY indicated that she could take over the position in June.

WB8IOW presented those at the meeting with a proposed change to the by-laws (seen elsewhere in this newsletter). KC8LVE made a motion to accept the proposal and LYLE KC8DDY seconded it. Motion passed. In accordance with the by-laws, the proposed change will be published in the newsletter and its passage will be voted on at the April meeting. Those unable to attend the April meeting are invited to cast their vote by mail to the club address: PO Box 73, West Union, OH 45693.

New Business:

KE8FK announced that Maysville would be hosting the Vietnam Moving wall May 4-10th. GMCARA would like to enlist the aid of surrounding clubs to assist with communication during the event. They expect to see 100,000 visitors to the wall. John WA8KI W said that Hillsboro hosted it over Flag Day weekend a few years ago and turn out was good. He further stated that it is a miniature of the one in

Washington, DC. Marie KE4MZP will keep us informed as to details. KB8OMG asked when they expected to get more information. KE8FK advised he would keep us informed through the newsletter or on the weekly nets as soon as he has more details.

KE8FK announced a covered bridge special event that was coming up. WB8IOW stated that so far there are 18 counties in Ohio expected to participate (including us). The purpose of the event is to focus attention on Ohio's covered bridges and to show that they are falling apart from neglect. There are 45 counties in Ohio with covered bridges, two in Adams County - Kirker covered bridge on State Rte. 136 and the covered bridge at Unity. The group coordinating the event would like us to use specially assigned callsigns. Ours will be W8S. The event is scheduled the week before field day. WA8KI W stated that there are recommended times between June 9th and 21st that are being recommended by the sponsoring committee. They are encouraging participating clubs to be on the air at least on June 15th and 16th from 10 - 5 each day. Highland County is operating W8N and will hold theirs on the Lynchburg covered bridge. It is the only covered bridge in Ohio that sits on a county line (Clinton and Highland).

It was suggested that the DeForest ARC participate in the special event and look into getting permission to hold it at the Kirker Bridge site on Saturday June 15th at least and if there is enough interest, Sunday June 15th as well. KK8J also suggested we use EMA radio to see how it is working.

WB8IOW made a motion that the club purchases the new ARRL videotapes for Technician License. Lyle

second. If General tapes are available, he made a motion to purchase those as well. Barb second. Both motions passed.

N8HIA announced that she would like to see club's portion of split the pot go to Kyle's Mom who is very ill. All present at the meeting agreed.

Following a break with refreshments (Thanks to N8HIA for picking up the cookies), the meeting resumed. WA8KI W invited members of DARC to HARA's 25th Anniversary celebration. A dinner will be held on Saturday evening April 20th at the Old Y restaurant on state rte. 62 in Mowrystown. The speaker is tentatively Joe Phillips, ARRL Section Manager of Ohio. Cost for dinner will be \$10.00 per person (must be paid in advance) and the HARA club needs to give a head count 4 days prior to the dinner. Get in touch with Ted Ruble KQ4TL, John Levo WA8KI W, or Paul Levo WA8KFB to let them know if you plan to attend. More information will be in HARA's newsletter, or you can get information on their club frequency of 147.210 (PL 100.0)

Ask Ed KE8FK about his search for alligator shoes!

WB8IOW gave a brief explanation of the AZZ Cardfile program. N8XGR won an unregistered copy of the Cardfile. WB8IOW explained how to use the program and how to register it with the author. The fee for registration is \$12.00.

WB8IOW also discussed Read-Please, a computer reading program that is available free on the Internet for anyone who wants to download it. He demonstrated the pro-

gram for those in attendance. Jerry advised that it takes about 10-11 megabytes and that there is an optional program that you can purchase that contains more options and is more versatile. Kelly Boone KB8UAO won a copy of the program.

WB8IOW reported that there is a problem repeater's capability to record announcements and that it is not repairable. The company that manufactured the repeater is no longer in business and we have been advised that it would cost \$800.00 to look at the problem and an additional \$900.00 to fix it. It was decided not to have the repair done since the repeater was functioning well other than this problem.

KK8J thanked the club for the card we sent. He stated it came yesterday and couldn't have come at a better time.

N8HIA won split the pot Barb and donated her portion as well. KC8OLS accepted a total of \$17.00.

N8HIA made a motion to adjourn. KC8DDY seconded the motion. Meeting was adjourned at 8:36 P.M.

Those present for the meeting were: KB8AMX, KB8SRU, KQ4TL, WA8KI W, N8ZDL, KK8J, N8XGQ, N8XGR, KB8OMG, Robert and Gene Bechdolt, KE8FK, KB8UAO, KC8DDY, KC8OLS, N8HIA, KC8LVE, WB8IOW, N8YWX.

73, Kim N8YWX

NEXT MEETING
TUESDAY - April 9, 2002

ABCAP Senior Nutrition Center

Next door to the Sundry Store on the town square in West Union, Ohio

7:00 PM

Across from the steps of the Adams County Courthouse

DeForest A.R.C. Birthdays & SPECIAL EVENTS

- 04-04 KB8NBI Jack E. King
- 04-05 KC8HTX Tristan J. Grooms
- 04-05 KC8LIC Ronald K. Buhr
- 04-06 KB8RYG Lawrence P. Lewis
- 04-06 GMCARA Test Session 9:30 AM**
- 04-09 DeForest meeting 7:00 PM**
- 04-14 N4VGI Bob Drake
- 04-14 KC8LIE Sharon A. Buhr
- 04-15 Scott Rohrback
- 04-17 Carmen Payne
- 04-18 KD4PYZ T J Whitehead
- 04-24 KB8SCW Nadine Lewis
- 04-25 KA8VEE Robert W. Ralston
- 04-27 KB8VPR Joe Rogers
- 04-29 KQ4TN Paul D. Whitehead
- 05-02 KC8JXD Glenna Blackburn (mem)
- 05-04 N8JSZ Tim Applegate
- 05-08 KB8SDA Richard D. Swayne
- 05-14 DeForest meeting 7:00 PM**
- 05-17 W8RCB Richard C. Burnes
- 05-19 KC8LVE Patricia Ellis
- 05-24 Melissa King KB8PPQ will marry Luke Hurst**
- 05-25 KC8JZG Linda Larter
- 05-26 KK8J George H. Larter
- 05-26 KC8HZB Thomas O. James

AMATEUR RADIO SATELLITES **K8YMI BOB HALLEY**

In late February, Frank Bauer, KA3HDO, announced that normal packet activity had resumed aboard the International Space Station. The ISS crew upgraded the old system with a new packet module sent to them on the STS-105 mission on Shuttle Discovery in September. The new module, with the call sign

RSOISS, is using a specially developed ROM set with standard ISS defaults, a new battery and extended memory. The mailbox has been activated but ground stations are discouraged from using it just yet since there is no computer hooked up to it and the crew schedules are extremely busy just now. Packet frequencies remain the same: Uplink on 145.990 Mhz and downlink on 145.800 Mhz.

Shuttle Columbia was launched as STS-109 on Friday, March 1st with a crew of 7 to capture the Hubble Space Telescope and make some major repairs. There was a problem with the Shuttle cooling system but as of this time, they are going ahead with the 5 space walks planned. There is no amateur radio experiment planned for this trip. The HST is flying at an altitude of about 350 miles which is higher than the shuttle usually flies. The plan is to grasp the HST with the Arm, bring it into the bay and make the repairs there. Repairs include replacing the solar panels with smaller, more efficient ones, exchanging the faltering power control box, installing an advanced camera and improving the working of the X-Ray camera which has been dormant for three years. The payoff in new data to be generated from the HST justifies the high cost of the whole project, but not everyone thinks so.

The Amateur Radio Club at the Goddard Space Center in Green Belt, Md. rebroadcasts live the communications between the Shuttle and Control Center.

On the HF bands, they use 3.860 Mhz, 7.185 Mhz, 14.295 Mhz, and 21.395 Mhz using the call letters WA3NAN. Depending on the time

of day, you should be able to hear them on one of these frequencies. Sometimes, these broadcasts are re-broadcast on the Dayton 2 meter repeater at 145.11 Mhz.

Russian Ham Satellites, RS-12 and RS-13 are on the same platform and were launched in February 1991. Some frequency changes have been made recently and are as follows: RS-12 is now operating in Mode K which means an uplink of 21.210 to 21.250 Mhz with a downlink of 29.410 to 29.450 Mhz. The beacon is on 29.408. RS-13 was changed at the same time to Mode T which means an uplink of 21.260 to 21.300 Mhz and a downlink of 145.860 to 145.900 Mhz. The beacon is at 145.859 Mhz. These uplink frequencies are in the Extra and Advanced portion of the bands used by Americans so act accordingly.

In September, an Athena-1 was launched from the new Kodiak Island (Alaska) site carrying three small satellites built by students at the Naval Academy. The satellite originally known as PCSat now has the designation NAV-OSCAR 44 (NO-44) and the spacecraft known as Sapphire is now designated NAV-OSCAR 45 (NO-45) The third part of this launch, Starshine 3 has been quiet since January 9 and recovery seems uncertain at this time.

Currently, AMSAT-NA, is designing a high orbit (perhaps geostationary) satellite called Eagle. It will be two or three years before launch of this major project. In the meantime, serious consideration is being given to a Microsatellite, a much shorter time frame project that will use much of the equipment that you already have in

your station. Bristol University in England is asking for software design support for a nano-satellite to be hand launched during a future shuttle flight. The specifics that are now known are on their web site www.handsat.co.uk Give a look and see if you can help.

Recently I heard former Astronaut Dr. Alan Bean speak about his experience of landing on the moon with Pete Conrad as part of Apollo 12. This humble man brought some personal pictures that he has painted from photos and memory. Some of his paintings were displayed at the Row House Gallery on Main Street in Milford, Ohio. His life should inspire all of us to chase the dreams that we have and believe that we can accomplish them. He did not mention it but he also spent two months in Skylab II with Astronaut Dr. Owen Garriott who later took Amateur Radio to the Shuttle program.

-73- K8YMI

NEWSLETTER SPONSORS

Each month in 2002 we will present an article about our newsletter sponsors. Last Month AZZ CardFile was featured. This month we have an article by Gregory B. Syrone, of JAGS Computer Parts, one of our newest advertisers. Advertisers will be presented in the order, newest to oldest. (Editor)

Special Thanks & In Loving Memory:

I would like to thanks to Jerry and Kim Paquette for inviting me to the Weather Storm Spotter Class on February 12th, 2002. This class really helped me out on what to watch for during Severe Storms.

Jerry and Kim got me back into working with the community where I live at now. I was resident in Rarden, Ohio until I met my wife in 1999 at McDonald's in Peebles, Ohio where I start employment. Then I moved on in to the shipping work at AirBrone Express in Wilmington, Ohio.

I am a former firefighter with the Rarden Volunteer Fire Department in Rarden, Ohio. My dad (George Beatty Syrone) was one of the first members with Rarden Volunteer Fire Department. Rarden Volunteer Fire Department has been in service since 1960.

I resigned from the Rarden Volunteer Fire Department in 1998, two years after my dad passed away because I didn't have my partner with any more on the fire department. George Beatty Syrone has been my partner on the fire department since I started volunteering with Rarden Volunteer Fire Department.

And I would like to dedicate my website to my dad (George Beatty Syrone). Since he is the one that helped me out on doing the frequency list that I have obtained from him, when I first got interested in volunteering.

George Beatty Syrone was a Head Mechanic at the "Honda of Rarden" motorcycle shop in Rarden, Ohio, Also a former member of Scioto Squad #2, CB Club in Otway and Rarden, Ohio, former Fire Chief of Rarden Volunteer Fire Department, and former EMT with Rarden Squad #4. He was a member of the Rarden Volunteer Fire Department, Rarden Village Council, Gold Wing

Riders Association, and he was best known as BEATTY.

Thanks,
Gregory B. Syrone

DeFOREST AMATEUR RADIO CLUB BY-LAWS

CURRENTLY READS

Membership

A Full Member will have all voting privileges allowed by the constitution and by-laws. Full membership annual dues are \$15.00 per year for the first member of family, \$5.00 per year for second and more members of same family, living in the same house.

An Associate member has no voting privileges. His membership is to be regarded as a supporting member only. Associate membership dues are \$5.00 per year.

If a person desires to join the club in the first quarter of the year his dues will be the full amount; in the second quarter his dues will be 3/4 the full amount; in the third quarter his dues will be 1/2 the full amount, and in the fourth quarter his dues will be 1/4 the full amount.

PROPOSED CHANGE

Membership

A Full Member will have all voting privileges allowed by the constitution and by-laws. Individual Full membership annual dues are \$15.00 per year. Additional family members who are currently licensed hams living in the same home can be members for one fee of \$5, for a total of \$20 per

family. This will be known as a Family membership. A student who normally lives in the home is considered living in the home even when away at school.

An Associate member has no voting privileges. Associate members cannot hold office in the club. Associate membership dues are \$5.00 per year, per family. This fee would be in addition to the \$15 individual FULL membership fee or the \$20 Family membership fee, if applicable.

A Student membership will be \$5 annually. If the student is not a licensed ham, the membership level would be an Associate. If the student is (or becomes) licensed the membership level would be a Full member. If the student becomes a Full member after the last day of February restrictions mentioned elsewhere in these by-laws would apply. This level of membership is for a student not eligible to be a part of a Family membership, perhaps if the student is the only ham in the family.

DAYTON HAMVENTION

This year's Dayton Technical Excellence Award goes to Al Waller, K3TKJ. Al's www.qsl.net and www.qth.net websites have provided e-mail accounts and website space, plus online technical references, for tens of thousands of hams. Al began his service in 1993 and is one of the pioneers of integrating the internet into amateur radio. Al will receive his award at the annual Dayton Hamvention® banquet on May 18.

Hamvention 2002 Tightens Security

Hamvention is proud of its traditions. One is providing a safe place to enjoy the many facets of amateur radio. Our goal for 2002 is to continue that

tradition. We do not intend to offend or be obtrusive to anyone. This page will be updated so check back often.

Q - I have read the security information page. Isn't this an overreaction?

A - The world is no longer as it was. We want visitors to know we are increasing our vigilance; however, we expect that 99% + of all attendees will not notice any difference from prior years.

Q - Are these security measures new?

A - Not really. Most have been in place for years. Our goal is to assure our attendees that Hamvention is working to provide an enjoyable and safe place to be.

Q - Will backpacks, two-wheel hand carts, fanny packs, carrying bags, etc. be allowed?

A - Sure they will. We are hams, too. We know how much those items facilitate carrying our "treasures" around until we get back to our vehicles. Should a need arise to search them, we will appreciate your cooperation.

Q - Will attendees have to go through metal detectors before entering the show?

A - No plans are in place.

Q - I see that knives and weapons are prohibited. Exactly what does that mean?

A - It simply means that it is illegal in Ohio to carry concealed knives, with blades longer than 3" in length, on your person. Knives of all

sizes are sold by dealers at HV, as in stores all over the country. We are not trying to discourage those sales.

Q - How will I, as an attendee, expect to be impacted?

A - Very little. There will be no "police state", no random searches (without cause). Striking a balance between increased security and protecting the show's traditional freedoms was paramount in our planning.

Q - What photo ID do I need?

A - Drivers licenses, student ID cards and passports work well for ID.

http://www.hamvention.org/security_faq.htm.

President George W. Bush

On January 31, 2002, President George W. Bush surprised members of the Northern Florida Amateur Radio Emergency Service by checking into their 75-meter net during a visit to a firehouse in Daytona Beach, where a temporary ham station had been set up by John Schmidt, AF4PU. Here is the text of the President's remarks to the net:

"I want to thank all the volunteers who help make sure that Florida is prepared for any kind of emergency. I also want to assure you that your Federal government is doing everything we can to make sure that there is not an emergency--starting with unleashing the mighty U.S. military overseas to bring evil ones to justice. But should there be a need for a re-

sponse, I want to thank you all for helping our communities be prepared. And finally, I want to tell you--we are lucky to be Americans and may God continue to bless this great land of ours. Thank you very much."

2002 DeForest Members

Robert P. Applegate	KC8DPJ
Mike Bailey	AB8AM
Dale A. Bailey	KK8N
Larry Bennington	KB8NSJ
Kelly E. Boone	KB8UAO
Jack Bradford	KA8URK
James K. Brewer	KE4ETT
Ronald K. Buhr	KC8LIC
Sharon A. Buhr	KC8LIE
Charmaine R. Burnes	
Richard C. Burnes	W8RCB
Thomas A. Callahan	KE4WAL
Francis L. Cobb Jr.	KB8SRU
Bill Cox	KC8OVO
Tim R. Dickson	KE4AUP
Marie East	KE4MZP
Patricia Ellis	KC8LVE
Joe Gardner	KK8S
Marty J. Gilkison	N8XGQ
Jered D. Grooms	KC8CXM
Jerry O. Grooms	K8IN
Tristan J. Grooms	KC8HTX
Karen L. Groves	KB8QMV
Stephanie Groves	KB8QOZ
Scott W. Hardert	KB8LKK
James R. Harmon	KB8YEX
Ruth (Polly) Hayden	KC8CZB
Danny Hoop	KF8IX
Donald L. Hoop	K8GXL
Kathy Hoop	KA8VEA
Thomas O. James	KC8HZB
Mary J. Kempfues	N8VGQ
Robert J. Kempfues	KC8HFX
John L. Kimble	KB8JML
Tony L. Kimmerly	N8XGM
Ethel M. King	KB8QNS
Martha W. King	KB8WGV
Melissa Renee King	KB8PPQ
George W. Kreps Jr.	WA8BMY
Jayne Lambert	KC8LUH
Karen Lambert	KC8LIA
Lyle Lambert	KC8DDY
George H. Larter	KK8J
Linda Larter	KC8JZG
Lawrence P. Lewis	KB8RYG
Nadine Lewis	KB8SCW
Warren P. Lewis	KB8SCV
Barbara Lock	N8HIA
Edward Lock	KE8FK
Debbie Lorenz	KB8QNT
Ridney S. Lorenz	N8XGP

Wanda S. Mangus	KB8TJT
Bill Mangus	N8SND
Thomas H. McDonough	KC8NHS
Bob McFarland	N8ZDL
Denton E. Meade	KB8QNO
Betty P. Merrill	AA8IQ
Lucius Merrill Jr.	KF8RC
Mark Mershon	KB8PPR
Carolyn Moore	
Maxwell J. Moore	KC8NHU
Ray Music	KC8CXO
Gordon K. Neal	W8YGW
Richard Newbauer	KA8EKC
Al Norris	W8UJM
Eldon O'Cull	KB8AMX
Paul Oldaker	NS8I
Earl Paquette	WA8YIQ
Helen J. Paquette	KC8HGA
Jerry S. Paquette	WB8IOW
Kim A. Paquette	N8YWX
Tory B. Peterson	N8XGR
Marlene L. Potts	KC8JXE
Robert W. Ralston	KA8VEE
Joe Rogers	KB8VPR
Deanna Rosselot	KB8VBH
JD Rosselot	KB8VLF
Richard J. Sauer	W8ZFO
Berlin Setty	KC8OIZ
Howard Seymour	KB8YLP
Imogene Seymour	KB8YKM
Matt Sheeley	KC8LMJ
Don Silcott	WD8JCD
Dorothy H. Silman	KB8TQU
Gerald C. Silman Sr.	KB8PVY
Fred A. Starcher	KB8VBI
Sheila Starcher	KB8VBJ
Barry B. Storer	KB8OMG
Gladys R. Stultz	
Richard F. Stultz	KB8QNP
Kyle West	KC8OLS
T J Whitehead	KD4PYZ
Larry Williams	WB4NAD

If you have sent your 2002 dues in and your name is not on the list, please contact Pat at 549-1089 or Jerry at 544-3763.

It's possible the dues were lost in the mail or it was missed in the database.

If you haven't sent in your 2002 dues it's not too late. Send them to:

DeForest Amateur Radio Club
P.O. Box 73
West Union OH 45693-0073

SEVERE WEATHER

**REPORTING PROCEDURES -
REPORT BRIEFLY**

WHAT YOU HAVE SEEN

- ACTUAL TORNADO SIGHTED
- Definite wall cloud
- Funnel shaped cloud
- Rapid circular motion
- Roar and debris
- HAIL 3/4 INCH OR LARGER
- DAMAGING WINDS (usually 50 mph or greater)
- Damage to buildings
- Damage to large trees or utility poles

FLASH FLOODING

- Stream out of bank
- More than one foot of water in street

HEAVY RAIN

- an inch or more in less than an hour

LIGHTNING:

- very frequent or continuous

**WHERE AND WHEN
YOU SAW IT**

WHAT IT WAS DOING:

- The storm's direction and speed of travel
- Size and intensity of the storm
- Destructiveness

The National Weather Service needs accurate local weather reports from trained observers to identify and report weather conditions in their area. Reports are channeled to the local National Weather Service office through the SkyWARN Ham Radio network.

After net activation, casual contacts should be shifted to other frequencies.
The most important requirements

of weather reporting are accuracy and speed. Accuracy, because available equipment and information is often not sufficient to pinpoint the location of the severe weather. National Weather Service personnel depend on trained local observers to identify and report conditions in their area.

Speed is needed to give as much warning as possible to areas in the path of severe weather. Many lives can be saved by early warning.

Give your location and report as briefly as possible.

Weather reports from specific areas will be requested by the meteorologist when conditions indicate.

DEFINITIONS

ESTIMATING HAIL SIZE

- Pea size.....1/4"
- Dime size.....3/4"
- Quarter size...1"
- Golf ball size..1-3/4"
- Baseball size...2-3/4"

**ESTIMATING RAINFALL
INTENSITY**

Intensity	Rates - Inches
Light	less than 0.2 per hour
Moderate	0.2 to 1.1 per hour
Heavy	1.1 to 2.2 per hour
Very heavy	2.2 to 4.5 per hour
Intense	4.5 to 7.1 per hour
Extreme	more than 7.1 per hour

ESTIMATING WIND SPEEDS

(miles per hour)

- 0 Smoke rises vertically
- 1-3 Direction of wind shown by smoke drift but not by wind vanes
- 4-7 Wind felt on face, leaves rustle, ordinary wind vane moved by wind
- 8-12 Leaves and small twigs in motion, light flags extended
- 13-18 Dust raised, loose paper raised, small branches move
- 19-24 Small leafy trees sway, crested wavelets form on lakes and ponds
- 25-31 Large branches in motion, whistling in telephone wires or link fences
- 32-38 Whole trees in motion, inconvenience felt walking against wind.
- 39-54 Twigs break off trees, wind generally impedes progress
- 55-72 Damage to chimneys and TV antenna; pushes over shallow rooted trees
- 72-112 Peels surface of roofs; windows broken; light trailer houses pushed or overturned; moving automobiles pushed off roads
- 113-157 Roofs torn off houses; weak buildings and house trailers destroyed; large trees snapped and uprooted

**SAVE THESE GUIDELINES
FOR REFERENCE
WHEN REPORTING SEVERE
WEATHER CONDITIONS**

PRATHER'S IGA FOODLINER

107 Walnut Street - West Union, Ohio
(937) 544-2643 or 544-5488
Chase Prather (Owner)
Russ Grooms (Manager)
Connie Bradford (Manager)

McDONALD'S

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Amateur Radio Club
& give him your callsign

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and Karen Lambert (KC8LIA)

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Owners: KB8VLF and KB8VBH

AZZ CARDFILE

AZZ Cardfile is a computer program that is as simple to use as a paper cardfile. You start with blank cards. You have empty "paper" sheets when you start a new card. Written by Antanas Zdrumys LY1DL, an Amateur Radio operator in Lithuania. Use for address books, recipes, poems, hobbies, crafts, etc. Home: <http://www2.omnitel.net/zdrumys/azzcardfile/index.htm>

Download latest version:

<http://www2.omnitel.net/zdrumys/azzcardfile/download.htm>

JAGS Computer Parts

130 Park Street
Peebles, Ohio 45660-1047
Phone: 937-587-8251

Owner: Amanda D. Syrone

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Southern Ohio Emergency Frequency List

<http://www.bright.net/~jags>