



The Wave Bender



August, 2010

PRESIDENTS QST

THANK YOU



Well another month is in the file. We are still not getting the net participation that we could. I would like to see more members step up and take the net. There is a script available. Steve will be asking for your help with the net. We are moving the meeting place because we have out grown the Eat'n Park.

There are plans to have a picnic soon, date TBD. We are also planning a January holiday party at the A La Cart in Canfield. This would give us a chance to get to know our member's families.

I hope to try a HF net in the near future, but we will see. I would like to know how many of the members would like to have an antenna-building workshop? Could be on a Saturday or Sunday. Please let the officers know if there is something that you would like to see demonstrated at a meeting?

Technician classes will be starting on September 15, 2010. This class will last five weeks. Then we will have a General class starting on November 3, 2010. This class will last six weeks. Talk to your friends about getting into Ham Radio, talk up the classes. Tell any of your Ham friends about WRARC and all the good things that are happening. 'Till next month.

73Allan, AB8AA

**Amateur Radio is a Hobby,
Emergency Communications is a Commitment!**

INTERMITTENTS AND CHEMISTRY

A long time friend, who is now the President of West Coast ARC, wrote the following interesting article for their newsletter, the Intermod. Cam Harriot and his wife Debbie N6QWR live in Huntington Beach, about 3 miles from the ocean. I paraphrased his article here a bit:

Some time ago he was given an old Butternut Model HF3B antenna. A two-element antenna for 10-15-20 meters. It was badly corroded, so he decided to try to revive it (since he could not afford to get a new one, even if one was available).

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I can't believe WRARC is 8-months-old. We've come a long way from just an idea to an active organization. We had our first Field Day and our volunteers worked Tour of the Valley and the Hartzell Fallen Officer's ride - we did them well, and we had a good time doing them.

Field Day number one, is history! We invited local dignitaries, but only one showed up. Oh well, maybe next year. We had an information booth filled with ARRL literature. We got some points for that. We had 46 QSOs, made 108 points, and claimed 1,000 bonus points. Not a whole lot, but I know we all had fun doing it, and we learned a lot.

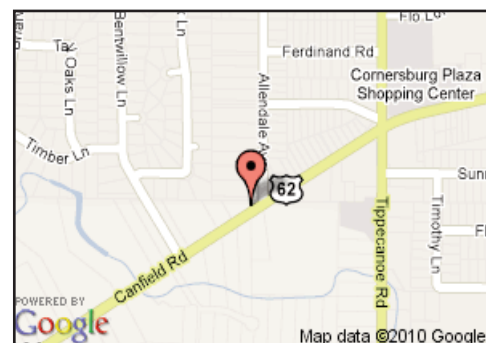
Continued page 2

Hey! We're Moving!

**Mark Your Calendars
Starting with our August 17 meeting
we will meet at**



**3636 Canfield Rd.
Canfield, OH**



Officer's Meeting: Sunday, August 15, 7:00 P.M. At the Avnet's, 2050 E. South Range Rd. New Springfield Phone (330-549-3051)

Regular Meeting: Tuesday, August 17, 7:00 P.M. Davidson's, Canfield

Program: Tom Bert KD8MFV IS our speaker He will be talking about HF antenna's.

Bring your Handheld and manual.

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We didn't think to bring an extra radio in case someone didn't have one. We had enough antennas, but had to run home for a couple things we needed to get everyone on the air. Hey! This was our first Field Day! One of our newest hams got on the air for the first time, and had a blast! We have to thank our VP for all his hard work - Thanks.

A head count would have been useful for the picnic. We weren't sure how many hungry Hams we'd have. The food that everyone brought was wonderful, and there was more than enough. Thanks to KD8CGW and KC8SOY for not only bringing the hamburgs and hot dogs, but cooking them too! All in all it was a wonderful weekend. The weather cooperated and the location was superb.

Hams representing Western Reserve ARC, Columbiana and Mahoning County EMAs, Triangle ARC, Lisbon Area ARA, and the East Palestine ARC all worked together with the local police to provide emergency communications for the Tour of the Valley bicycle road race.

Tour of the Valley was a three-day affair starting with time trials Friday, July 9. Just four WRARC members were all that was necessary to provide emergency communications for the time trials.

The five stage road race was held Saturday, July 10, where eighteen Hams from all over Columbiana, Mahoning and Portage Counties worked together to make it a success. The race went out on a 33-mile loop through Columbiana County which the pro riders did twice. The course was very hilly. It drew more than 300 elite riders from all over the US and as far away as the Netherlands, who enjoy a very challenging course. The hills also provided a challenge for our volunteers. We used a local repeater and when necessary, but we had to relay a message or two. Two of the volunteers were licensed in June this year. They worked closely with two more experienced Hams out on the course and at net control. There was a criterium bringing to a close the Tour of the Valley on Sunday. It made several loops around downtown Youngstown. Our services were not required for that race, as it was handled by Youngstown P.D.

Al and I attended an after event meeting with the promoters of TOV, where we talked about the problems we had and learned what we can do to make us more effective next year. Russ was singled out for a complement, although they didn't know who exactly they were complementing. He was at the corner of routs 154 and 7. Ask him to tell you about his adventure. It's quite a story. Next year, they would like a Ham in the cars following the riders instead of in the lead vehicles. That makes sense, the lead car would be past any problem and not know of an accident. The car tailing, would see the problem, and be more able to call for help. We could use more volunteers from

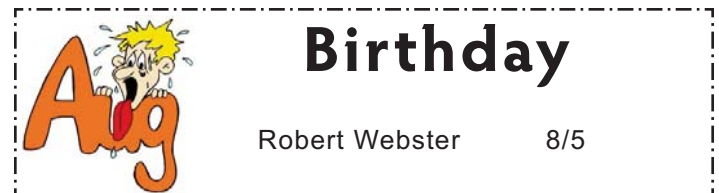
the Ham community. Did you know they had 380 riders this year? With the positive feedback they received from the riders, they are expecting it to be much larger next year.

KD8NXS and K8JAA were at net control for the road race, KD8IJF, N8XKP, KC8WY, N8DMC, KD8CGW, KC8SOY, N8FFC, AB8OP, NN8B, WB8RYH, NK8I, KA3GLD, KD8LDY, KD8NXR, K8JWA and AB8AA were all out on the course. Thanks to all of you - **good job!**

On Sunday, July 11, again twelve Western Reserve ARC members and some unaffiliated Hams from Mahoning and Portage Counties helped local police by working the 8th annual Hartzell-Fallen Officers Memorial Motorcycle ride. The 50-mile ride, which honors local police killed in the line of duty, started and finished in downtown Youngstown. It toured Mahoning County with more than 400 bikes participating. It was very impressive to be a part of.

The Hartzell run only took a couple hours. I was able to handle net control from our radio room in the basement. Which meant, I saw nothing! AB8AA was on the bridge that goes over 76 where the only accident of the day happened. A novice rider, with a new Harley, with a passenger, didn't make the turn from E. South Range Rd. on to Springfield Rd., and he didn't have a motorcycle endorsement . . . The other Hams who worked this run were: KD8LDY, KD8IJF, KC8SOY, KD8CGW, KD8SPF, K8JWA, KD8WY, K8NVY, N8DMC, and KB8JNO. Thanks to everyone for your help.

73, Jane K8JAA



INTERMITTENTS - CONTINUED FROM PAGE 1

Bencher, who bought Butternut, says that production ceased in 1985. Cam was sure there is something available, but that is beside the point. The Hamway is try to revive, remake, redesign, or kluge it together. So he had been doing some research and found some interesting things he did not know. The first is that to make and keep a good electrical connection, the metals must be galvanically compatible. That means that they need to be as close as possible to each other on the Galvanic Table. Further apart means that they eat each other up when moist. (That explains why gold pins and steel sockets soon produce intermittent connections in cheaper computers near the beach.) The experts suggest that you need to polish the joining metals, then use an antioxidant grease and then seal the whole thing with either Spar Varnish or Bathtub caulk! He'll let them know how it comes out. Stay tuned.

73 Cam KI6WK



The Ohio QSO Party (OhQP), sponsored by the Mad River Radio Club, is just 5 weeks away, and the excitement is already building. Stations from across Ohio are making their plans to be on the air for one of the premier state QSO parties. Small stations from Ohio can make hundreds of QSOs during the short 12 hour event. Get on and call "CQ Ohio QSO Party" and run the pileups! We hope you will join us to make this the best event yet - our goal is to get fixed operations on from every county this year. If you are planning on being on, please let everyone know by posting your county of operation on the "Planned Operations" website at -

<http://ohqp.org/plannedOpsEntry.html>

For those who don't know what the OhQP is all about, it's a fun time for Ohio stations to be on the air and be the hunted station, or "DX". People from around the world are seeking out Ohio stations in this event, which is a nice change from most operating events. The OhQP occurs on Saturday August 28, 2010 from local noon to local midnight. In the basic QSO exchange, Ohio stations send a consecutive serial number + county, and non-Ohioans (who can only work Ohio) send a consecutive serial number and state/province/DX. Suggested frequencies are: CW: 3545, 7045, 14,045, 21,045, 28,045 kHz; SSB 3825, 7200, 14,250, 21,300, and 28,450 kHz. Don't be shy - try calling CQ in addition to searching and pouncing. Remember, the world is tuning the bands looking for Ohio stations - your CQ's will be answered! Full details and an OhQP operating guide can be found on the official website at: www.ohqp.org/.

This is a great event for a club activity or a training ground for new(er) hams. QSO rates are as high or higher than Field Day, and there's virtually no QRM in this event. Round up the club and have some fun. If you are in the mood to enjoy the great Ohio countryside, try operating portable or mobile from a rare county. Remember, the ultimate goal is to just get on the air and have some fun!

73, we hope to hear you on the air
Kenny K2KW
Ohio QSO Party PR Coordinator
kenny.k2kw@gmail.com

"It is our choices that show what we truly are,
far more than our abilities." - J. K. Rowling

THIS MONTH'S SPEAKER

Tom Bert KB8MFV will be our speaker for our August meeting. He will talk to us about HF antennas.

He was born in 1957 in Barberton Ohio just outside of Akron. He and his wife Debby have been married for about 16 years. They were both first licensed in 1990 and upgraded to Extra in 1997. Tom has been interested in electronics since he was eight, making a living at it since 1976 after his graduation from high school.

He loves music and has been a drummer since 1970. He can be reached by email at kb8mfv@qsl.net.

You can check out his website by going to www.qsl.net/kb8mfv/.

ARRL DX NEWS

AZERBAIJAN, 4J. Yannick, F6FYD is QRV as 4J6FR until August 20 from the 4K7Z club station. QSL to home call.

MOZAMBIQUE, C9. Karel, C91KHN has been active on 20 meters SSB from around 1700 to 1830z. QSL direct.

CAPE VERDE, D4. Luca, IK2NCJ is QRV as D4C from Sao Vicente Island, IOTA AF-086, until August 26. This may include activity from Sao Vicente Lighthouse, WLOTA LH-1976. This also includes being an entry in the upcoming WAE DX CW contest. QSL via CT1ESV.

HAITI, HH. Fazlay, S21RC is working for UNICEF in Port-au-Prince and is here until September 22. He may be active as HH2/home call in his spare time. Activity will be on 40 and 20 meters. QSL via EB7DX.

ALASKA, KL7. Operators AB5EB, KB5SKN and AD5A are QRV as AB5EB/KL0 and AD5A/KL5 from Kalgin Island, IOTA NA-158, until August 8. This may include activity from Kalgin Lighthouse, WLOTA LH-1728. QSL via operators' instructions.

LEBANON, OD. Station OD5NF has been active using RTTY on 20 meters around 2030z. QSL via HB9CRV.

ASIATIC RUSSIA, UA0. Alex, UA3DLD plans to be QRV as RI0FKD from Kunashir Island, IOTA AS-025, from August 8 to September 3. This may include activity from the Kunashir Lighthouse, WLOTA LH-1911. He may also be active from other islands in the area as well. QSL to home call.

UK SOVEREIGN BASE AREAS ON CYPRUS, ZC4. In addition to being active on Cyprus, Tony, G0WV is also QRV as ZC4WV until August 15. Activity is on the HF bands using mostly SSB. QSL to home call.

PRINCE EDWARD AND MARION ISLANDS, ZS8. Pierre, ZS8M is QRV from Marion Island, IOTA AF-021, and has been active on 40 meters around 0430 to 0630z and then on 20 meters around 1230 to 1530z. QSL via ZS1X.

39 WAYS TO SOUND LIKE A LID

Note: This "Rusty Bumpers" column is from the May 1993 issue of "Solid Copy", the Richmond (VA) Amateur Telecommunications Society's monthly newsletter. Most of the examples used by "Rusty" have happened on the local repeaters exactly as written, although some of the items are exaggerated slightly for humor.

In many areas I have noticed a tendency of people making a distinct effort to sound like a "LID" on the local repeater. Since this appears to be the new style in Amateur Radio, I thought I would present this incomplete guide to radio LID-dom.

1) Use as many Q signals as possible. Yes, I know they were invented solely for CW and are totally inappropriate for two-meter FM, but they're fun and entertaining. They keep people guessing as to what you really meant. For example, "I'm going to QSY to the kitchen." Can you really change frequency to the kitchen? QSL used to mean "I am acknowledging receipt," but now it appears to mean "yes" or "OK." I guess I missed it when the ARRL changed the meaning.

2) Never laugh, when you can say "hi hi." No one will ever know you aren't a long time CW rag chewer if you don't tell them. They'll think you've been on since the days of Marconi.

3) Utilize an alternative vocabulary. Use words like "destinated" and "negatory." It's OK to make up your own words here. "Yeah Bill, I pheelbart zaphonix occasionally myself."

4) Always say "XX4XXX" (Insert your own call) "for I.D." As mentioned in Step One, anything that creates redundancy is always encouraged. That's why we have the Department of Redundancy Department. (Please note that you can follow your call with "for identification purposes" instead of "for I.D." While taking longer to say, it is worth more "LID points".

5) The better the copy on the repeater, the more you should use phonetics. Names should be especially used if they are short or common ones. I.E. "My name is Al... Alpha Lima" or "Jack.. Juliet Alpha Charlie Kilo." If at all possible use the less common HF phonetics "A4SM... America, Number Four, Sugar Mexico." And for maximum "LID points", make up unintelligible phonetics. "My name is Bob... Billibong Oregano Bumperpool."

6) Always give the calls of yourself and everyone who is (or has been) in the group, whether they are still there or not. While this has been unnecessary for years, it is still a great memory test. You may also use "and the group" if you are an "old timer" or just have a bad memory. Extra points for saying everyone's call and then clearing in a silly way - like "This is K2xxx, Chow, Chow."

7) Whenever possible, use the wrong terminology. It keeps people guessing. Use "modulation" when you mean "deviation", and vice-versa. And even if the

amplifier you're using is a Class C type amp, and thus not biased for linear amplification, be sure to call it your "linear." Heck, refer to all FM-style amplifiers as "linears." You'll be king of the "wrong terminology" hill. Or better yet, refer to them as "lin-e-yars."

8) If someone asks for a break, always finish your turn, taking as long as possible before turning it over. Whenever possible, pass it around a few times first. This will discourage the breaker, and if it is an emergency, encourage him to switch to another repeater and not bother you.

9) Always ask involved questions of the person who is trying to sign out. Never let him get by with a yes or no answer. Make it a question that will take a long time to answer.

10) The less you know about a subject, the more you should speculate about it on the air. The amount of time spent on your speculations should be inversely proportional to your knowledge of the subject.

11) If someone on the repeater is causing interference, you should talk about that person at great length, making sure to comment on at least four out of six of the following: (1) His mental state; (2) His family; (3) His intelligence, or lack of same; (4) His sexual preference; (5) His relationship to small animals, his mother, or both; (6) His other methods of self entertainment.

12) If you hear two amateurs start a conversation on the repeater, wait until they are 20 seconds into their contact, and then break-in to make a call to someone else. Make sure that it's only a simple contact. It's also very important that you run for the full three minutes. This way, once the two re-establish contact, they won't even remember what they were talking about.

13) You hear someone on the repeater giving directions to a visiting amateur. Even if the directions are good, make sure you break-in with your own "alternate route but better way to get there" version. This is most effective if several other Lid trainees join in, each with a different route. By the time the amateur wanting directions unscrambles all the street names whizzing around in his head, he should have driven out of range of the repeater. This keeps you from having to stick around and help the guy get back out of town later.

14) Use the repeater for an hour or two at a time, preventing others from using it. Better yet, do it on a daily basis. Your quest is to make people so sick of hearing your voice every time they turn on their radio, they'll move to another frequency. This way you'll lighten the load on the repeater, leaving even more time for you to talk on it.

15) See just how much mobile flutter you can generate by operating at handheld power levels too far from the repeater. Engage people in conversations when you know they won't be able to copy half of what you're saying. Even when they say you are un-copyable, continue to string them along by making further transmissions. See just

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how frustrated you can make the other amateur before he finally signs off in disgust.

16) Give out wacky radio advice. When a newcomer's signal is weak into the repeater, tell him he can correct the problem by adjusting the volume and squelch knobs on his radio. Or tell people they're full quieting except for the white noise on their signal. Or.... well, you get the idea.

17) Use lots of radio jargon. After all, it makes you feel important using words average people don't say. Who cares if it makes you sound like you just fell off of Channel 19 on the Citizen's Band? Use phrases such as "Roger on that," "10-4," "I'm on the side," "You're making the trip," "I'm destined" and "Negatory on that."

18) Use excessive microphone gain. See just how loud you can make your audio. Make sure the audio gain is so high that other amateurs can hear any bugs crawling on your floor. If mobile, make sure the wind noise is loud enough that others have to strain to pick your words out from all the racket.

19) Be as verbose as possible. Never say "yes" when you can say "He acquiesced in the affirmative by saying 'yes'." (No kidding, I actually heard that one.)

20) Start every transmission with the words "Roger", "Fine Business" or "QSL." Sure, you don't need to acknowledge that you received the other transmission in full. After all, you would simply ask for a repeat if you missed something. But consider it your gift to the other amateur to give him solace every few seconds that his transmissions are being received.

21) When looking for a contact on a repeater, always say you're "listening" or "monitoring" multiple times. I've always found that at least a half dozen times or so is good. Repeating your multiple "listening" IDs every 10 to 15 seconds is even better. Those people who didn't want to talk to you will eventually call you, hoping you'll go away after you have finally made a contact.

22) Give out repeater FM signal reports using the HF SSB R-S system ("You're 5 by 9 here"). Sure it's considered improper for FM operation and you may even confuse some people, but don't let that spoil your fun!

23) Always use a repeater, even if you can work the other station easily on simplex -- especially if you can make the contact on simplex. The coverage of the repeater you use should be inversely proportional to your distance from the other station.

24) If you and the other station are both within a mile or two of the repeater you are using, you should always give a signal report. ("I'm sitting under the repeater and I know you can see it from there, but you're full quieting into the repeater. How about me?")

25) In the same vein as the previous step, when monitoring a repeater, you should always give signal reports as if the repeater didn't exist. ("Yep, I'm right

under the repeater. You've got a whopping signal. You're S-9 plus 60. That must be a great rig.")

26) On repeaters with courtesy tones, you should always say "over." Courtesy tones are designed to let everyone know when you have unkeyed, but don't let that stop you. Say "over," "back to you," or "go ahead." It serves no useful purpose, but don't worry - it's still fun.

27) Think up interesting and bizarre things to do to tie-up the repeater. The goal here is not to facilitate communications, but to entertain all the scanner listeners out there. Do something original. Try to hum CTCSS (PL) tones. Sing pager tones. You're getting the idea.

28) Never say "My name is....". It makes you sound human. If at all possible, use one of the following phrases: A) "The personal here is...." B) "The handle here is...." Normally, handles are for suitcases, but it's OK to use them anyway. Don't forget, this has worked just fine for CBers for years. The best retort I ever heard: "My handle is pink, my name is..."

29) Use "73" and "88" incorrectly. Both are already considered plural, but add a "s" to the end anyway. Say "best of 73's" or "88's". Who cares if it means "best regards" and "love and kisses." Better yet, say "seventy thirds"! Or be funny and say "seventy turds." Or talk like a 1960s CBER and sign off with "Threeeeeeees to ya!". (By the way, 70 thirds equals about 23.3, the average CBers IQ.)

30) Make people think you have a split personality by referring to yourself in the plural sense. When you're in conversation and are alone at your radio, always say "We're" or "We've" instead of "I'm" or "I've" (i.e. "we've been doing this...", "we're doing that...", "we're clear"). Everyone knows you're by yourself, but when they ask you who is with you, make up somebody important like Arnold Schwarzenegger or Bill Clinton.

31) Always attempt to use the higher functions of the repeater before you have read the directions. Nothing will work, but you'll have great fun and get lots of people to give you advice.

32) Test repeater functions repeatedly (that's why they call it a repeater). Test your signal strength from the same location several times every day. Concentrate on testing the things that really matter, like the number of time the repeater has been keyed-up. That stuff is fun to track. Test the outside temperature, or the transmitter heat sink temperature as often as possible. The farther the temperature goes from the norms, the more often you should test it. Also, if you get a pager set to the repeater's output frequency, as soon as you receive it set it off every 30 seconds or so until the battery runs down. Better yet, interrupt conversations to test it.

33) If the repeater is off the air for service, complain about the fact that it was off the air as soon as it's turned back on. Act as though your entire day has been ruined because that one repeater wasn't available when you wanted to use it. Even *Continued page 6*

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thought you have never donated a penny to help out with the upkeep of it, and despite the fact that you have all 42 local repeaters programmed into your mobile radio.

34) Always make sure you try to communicate with only a handheld and a rubber duck antenna. Also, make sure you work through a repeater that you can hear very well, but it cannot hear you. This will put out a kind of "LID mating call": "Well, Joe, I can hear the repeater just fine here. I wonder why it can't hear me?" You will score maximum LID points if you are mobile, and with the radio lying in the passenger seat.

35) If an annoying station is bothering you, make sure your other "LID" buddies have a "coded" frequency list. Even though "CODES" are strictly forbidden on Amateur Radio, it's really neat to practice "James Bond" tactics.

36) Always use the National Calling Frequency for general conversations. The more uninteresting, the longer you should use it. Extra points are awarded if you have recently moved from an adjacent frequency for no reason. Make sure when DX is "rolling" in on 52.525 that you hang out there and talk to your friends five miles down the road about the good old CB days!

37) Make sure that if you have a personal problem with someone, you should voice your opinion in a public forum, especially a net. Make sure you give their name, call, and any other identifying remarks. For maximum points, make sure the person in question is not on the repeater, or not available.

38) Make sure you say the first few words of each transmission twice, especially if it is the same thing each time. Like "roger, roger" or "fine business, fine business". I cannot stress enough about encouraging redundancy.

39) If you hear a conversation on a local repeater, break in and ask how each station is receiving you. Of course they will only see the signal of the repeater you are using, but it's that magic moment when you can find a fellow "LID", and get the report. Extra points are awarded if you are using a base station, and the repeater is less than five air miles from you. These easy steps should put you well on your way to "LID-Hood". I hope these helpful hints will save you some time in your quest to sound like the perfect "LID". I should also note that these steps can also apply to simplex operation, but nobody really cares because that pawn-shop HTX-202 isn't going to get out too far with just a rubber duck.

73, Rusty Bumpers, N4LID

P.S. "Rusty Bumpers" is a pen name. He maintains anonymity so he can sit peacefully at meetings and avoid the wrath (and breath) of the uninformed.

(Stolen from the August Radio-Gram, PCARS newsletter.)

MICROSOFT ISSUES EMERGENCY PATCH: RATED CRITICAL

Microsoft issues out-of-band security bulletin and patch today August 2, 2010. Out of band means released ahead of the regular scheduled monthly update. The out-of-band patch is designed to address a security flaw in the way shortcuts are displayed.

Software affected includes Windows operating system, various versions, and is rated critical. Microsoft encourages users to take action

This security update is rated Critical for all supported editions of Microsoft Windows listed here and obtained from Microsoft

Operating System

Windows XP Service Pack 3

Windows XP Professional x64 Edition Service Pack 2

Windows Server 2003 Service Pack 2

Windows Server 2003 x64 Edition Service Pack 2

Windows Server 2003 with SP2 for Itanium-based Systems

Windows Vista Service Pack 1 and Windows Vista Service Pack 2

Windows Vista x64 Edition Service Pack 1 and

Windows Vista x64 Edition Service Pack 2

Windows Server 2008 for 32-bit Systems and

Windows Server 2008 for 32-bit Systems Service Pack 2*

Windows Server 2008 for x64-based Systems and Windows Server 2008 for x64-based Systems

Service Pack 2*

Windows Server 2008 for Itanium-based Systems and Windows Server 2008 for Itanium-based Systems Service Pack 2

Windows 7 for 32-bit Systems

Windows 7 for x64-based Systems

Windows Server 2008 R2 for x64-based Systems*

Windows Server 2008 R2 for Itanium-based Systems

Recommendation from Microsoft. Customers who have not enabled automatic updating need to check for updates and install this update manually.

American author Edward Abbey once said,
"In the modern techno-industrial culture, it is possible to proceed from infancy to senility without ever knowing manhood."

How powerful is lightning?
The core of a upward lightning stroke is only a few inches across but can carry a current of 100,000 amperes, enough to run nearly 8,000 electric toasters at the same time.