



The Wave Bender

JUNE 2012



PRESIDENT'S QST



Wow here it is June already. Field Day is just a few weeks away. Are you ready to operate? I hope everyone will come out, join in the FUN, and work to help the club do better than last year. There are a lot of other FUN things coming up this summer. The picnic complete with T-hunting, lots of good food and lots of just plain FUN. Steve and Roy will be asking for operators and loggers, step up and volunteer to help.

In the last issue of the newsletter I asked if anyone was interested in starting a digital net. It appears that no one is interested. This is your club, NOT MINE, how about you telling us what you want to do and see. I am not a mind reader nor am I a physic. Don't depend on me thinking up things to do or subjects to demonstrate all the time.

If you go to Butler Hamfest, look for us in building 2, space 220, along the back wall. If you have anything to sell bring it and set it on the table.

See you on the nets, and at the next meeting, June 19..

73, AB8AA

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

Wes Boyd (W8IZC) will be speaking to us at our August meeting on his role as the chief engineer at Cumulus broadcasting and the differences between working on commercial broadcasting equipment vs. ham equipment.



While making the rounds at Dayton, one of the things we saw while there was the Society of Amateur Radio Astronomers, Inc. booth. I thought this might interest some of you..
<http://www.radio-astronomy.org/>

STORMY WEATHER ON THE WAY

The title of this article, especially this time of year, would be no surprise to those of us who are hams and SkyWarn observers. However, the forecast published in the June edition of National Geographic for: "solar storms, with a chance of catastrophic blackouts on Earth certainly has a particularly ominous tone. This is especially ominous for those of us who rely on electronics and technology to provide emergency communications.

There have been two events within the last 150 years that are used as a basis for the technological havoc that the predicted solar storms could have. The first, in September 1859, created difficulties for the telegraph systems. The 1859 storm named the Carrington event, named after English astronomer Richard Carrington who actually viewed the event, caused surges in telegraph lines, essentially knocking many stations off line. Those stations that were spared the knockout blow *Continued page 2*



Officer's Meeting: June 17, 7:00P.M. At the Avnet's, 2050 E. South Range Rd. New Springfield (330-549-3051)

Regular Meeting: June 19, 7:00 P.M. Davidson's in Cornersburgh

Program: Final WRARC Filed Day Plans with Steve KC8SOY and Roy KD8IJF.

2012 Officers:

- | | | |
|-------------------|------------------------|----------------------------|
| President: | Al Avnet, AB8AA | ab8aa@arrl.net |
| VP: | Robert Webster, KD8OXJ | rswebster@mail.com |
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STORMY WEATHER - CONTINUED FROM PAGE 1


were able to use the geomagnetic electricity, after disconnecting their batteries, for a period of several days.

In the more technologically advanced world of May 1921 a solar storm, estimated at about 50% of the Carrington event's strength, created serious difficulties for telephone, telegraph, and railway switching systems worldwide. Radio, in its infancy then, was not seriously affected. In the National Geographic article it was noted that if a solar storm, of the 1921 magnitude, struck Earth today the lights would go out in over half of North America is short order. If a storm of the Carrington event's magnitude arrived the damage to the nation's electrical and technical infrastructure could potentially create disruption equivalent to "20 Katrina class hurricanes". Not a trivial event at all.

As hams this presents a twofold challenge: first, the protection of our equipment from damage due to significant solar storms; second, the ability to provide communications when the storm has passed and the aftermath is dealt with. The first challenge, the protection of our equipment, is a daunting one. More and more our radios, and other pieces of gear, are reliant on transistors whose fragile junctions could be destroyed in mere seconds if a Carrington-event-class solar storm arrives. Perhaps those old refrigerators in our basements could serve as a safe hiding place for our gear. The second, and potentially larger, challenge is getting on, and staying on, the air when the power grid is down for weeks or perhaps months. For us to supply the communications services, for which our part of the radio spectrum is granted, we must be able to stay on the air for a sustained period of time while effectively using alternate sources of energy. If power grids are off line so will be the gasoline stations, and potentially even the natural gas services, that power our generators.

Our goal in all of this is to plan, not panic so we can deliver. The tools, prediction and detection means, and notification networks for solar storms, such as the Carrington event, are far better than they ever have been. However, when the "alarm" goes off, we must be ready, not in the planning stages. These storms can arrive in hours not days. We as hams must be planning now as to how we will protect and power our gear so we can do what we do best: assist our communities by providing reliable and sustained essential communications services.

-73- Robert (KD8OXJ)



**July 14
Plan to
Volunteer**

**WRARC 10-mtr Rag-Chew Net
The Net Before the Net
Friday Nites 8:30P.M.
28.410+/-**

**Join us for the WRARC
Friday Night Net
9:00 P.M. on 145.270, PL -110.9
This is a directed net, with all
interested members taking a turn
at Net Control
Contact Steve, KC8SOY to take your turn
330-774-6346**

**June 1 Robert KD8OXJ
June 8 This could be you
June 15 Jane K8JAA
June 22 This could be you
June 29 This could be you**

**Ask the Elmer Net
Right after the Friday Night Net
"The Net After the Net"
KC8SOY Moderator**

**COLUMBIANA COUNTY DIGITAL NET
8:30 pm - 9:30 pm
145.510 MHZ SIMPLEX Wednesdays
First Wednesday of the Month
Mahoning County
ARES/RACES/Skywarn Training Net
is held on the W8QLY repeater
146.745 (-) at 8:30P.M.**



**TECHNICIAN CLASS STARTING
SEPTEMBER 19
@ ITT, 7:00P.M.**

**GENERAL CLASS STARTING
NOVEMBER 7
@ ITT, 7:00P.M.
CONTACT AL, AB8AA@ARRL.NET**



**EC001 CLASS STARTING OCTOBER 6
@ ITT, 9:00 A.M.**

**PREREQUISITE:
FEMA CLASSES IS-100.B & IS-700**

**PRE-REGISTRATION A MUST!
CONTACT AL, AB8AA@ARRL.NET**



DON'T FALL FOR JURY DUTY SCAM

The Verdict: Hang Up

06/02/06 - The phone rings, you pick it up, and the caller identifies himself as an officer of the court. He says you failed to report for jury duty and that a warrant is out for your arrest. You say you never received a notice. To clear it up, the caller says he'll need some information for "verification purposes"- your birth date, social security number, maybe even a credit card number.

This is when you should hang up the phone. It's a scam.

Jury scams have been around for years, but have seen a resurgence in recent months. Communities in more than a dozen states have issued public warnings about cold calls from people claiming to be court officials seeking personal information. As a rule, court officers never ask for confidential information over the phone; they generally correspond with prospective jurors via mail.

The scam's bold simplicity may be what makes it so effective. Facing the unexpected threat of arrest, victims are caught off guard and may be quick to part with some information to defuse the situation.

"They get you scared first," says a special agent in the Minneapolis field office who has heard the complaints. "They get people saying, 'Oh my gosh! I'm not a criminal. What's going on?'" That's when the scammer dangles a solution-a fine, payable by credit card, that will clear up the problem.

With enough information, scammers can assume your identity and empty your bank accounts.

"It seems like a very simple scam," the agent adds. The trick is putting people on the defensive, then reeling them back in with the promise of a clean slate. "It's kind of ingenious. It's social engineering."

In recent months, communities in Florida, New York, Minnesota, Illinois, Colorado, Oregon, California, Virginia, Oklahoma, Arizona, and New Hampshire reported scams or posted warnings or press releases on their local websites. In August, the federal court system issued a warning on the scam and urged people to call their local District Court office if they receive suspicious calls. In September, the FBI issued a press release about jury scams and suggested victims also contact their local FBI field office.

In March, USA.gov, the federal government's information website, posted details about jury scams in their Frequently Asked Questions area. The site reported scores of queries on the subject from website visitors and callers seeking information.

The jury scam is a simple variation of the identity-theft ploys that have proliferated in recent years as personal information and good credit have become thieves' preferred prey, particularly on the Internet. Scammers might tap your information to make a purchase on your credit card, but could just as easily sell your information to the highest bidder on the Internet's black market.

Protecting yourself is the key: Never give out personal information when you receive an unsolicited phone call.

Resources:

http://www.fbi.gov/page2/june06/jury_scams060206.htm And here:

<http://www.snopes.com/crime/fraud/juryduty.asp>

Yep! It's true!

WO8Y via email

Maureen KD8NXS will be asking you to sign up so she can anticipate what covered dishes everyone will be bringing. WRARC will provide the hamburgs and hot dogs, buns etc. If you can't make our site, go to <http://www.arrl.org/field-day-locator>



Cartoon thanks to Dennis KD8SNA and Rose (Yes. Dennis is now a Tech. He passed his Tech. at Dayton). Congratulations Dennis!

CONTACT WRARC ELMERS WITH YOUR QUESTIONS - QUESTIONS@WRARC.NET

Avnet, Allan AB8AA	Antennas, radio setup, mobile, grounding, classes, anything	ab8aa@arrl.net
Beatty, Dave KC8WY	anything	kc8wy@zoominternet.net
Fabry, Steve KC8SOY	Yaesu FT8900, FT8800, Mobile	kc8soy@yahoo.com
Haren, Roy KD8IJF	???	harens@juno.com
Webster, Robert KD8OXJ	erecting antennas	rswbster@mail.com
Williams, Russ KD8LDY	Electrician, tele-data, Amateur Extra	russellwhoknew69@aol.com



WHAT'S IN YOUR GO BAG?

Putting the GO in go-bag

"It is better to have the bare essentials always handy than to leave a bulky pack someplace where you can't get to it."

— C. Edward Harris (KE4SKY)

I ain't takin' nothin' that'll slow down my travelin'...

— Johnny Cash

My Go Bag - Your Go Bag

So you have a go-bag right? If so, great! If not, check out the resources below for some ideas for putting together your go-bag, go-kit, jump-bag, bug-out-bag, emergency kit, call-out gear, emergency activation gear, ready kit, warbox, crash kit, grab-n-go bag:

Homeland Security

"Make a Kit.. Make A Plan... Be Informed"

<http://www.ready.gov>

1-800-BE-READY (1-800-237-3239)

FEMA

"Are You Ready?"

<http://www.fema.gov/areyouready>

<http://www.fema.gov/pdf/areyouready/supplies.pdf>

<http://www.fema.gov/pdf/rrr/fds-all.pdf> (FEMA L-189 is the same as ARC 4463 below)

Red Cross

"Together We Prepare"

<http://www.redcross.org>

<http://www.redcrossstl.org>

<http://www.prepare.org>

<http://www.redcross.org/disaster/safety/fds-all.pdf> (ARC 4463 is the same as FEMA L-189 above)

Missouri Department of Health and Senior Services

"Ready in 3"

http://www.dhss.state.mo.us/BT_Response/ready-main.html

RACES

<http://www.races.org/gokit.htm>

ARRL

<http://www.arrl.org/FandES/field/aresman.pdf>

<http://www.arrl.org/news/features/2004/02/18/1/>

QST Magazine, July 2003, "What's in Your Call-Out Bag?", Wayne Yoshida (KH6WZ)

CERT - Community Emergency Response Team

<http://www.cert-la.com/manuals/PM-CERT-Unit1Rev2.pdf>

Charlie Gallo, EC for Queens County ARES®, New York

<http://www.thegallos.com/gobag.htm>

Steve (KB1DIG) and Kim (KB1GTR) Go Kit

<http://home.comcast.net/~buck0/hamgear.htm>

Central United States Earthquake Consortium

http://www.cusec.org/Safety/safe_kit.htm

http://www.cusec.org/Safety/safe_pack.htm

Greene County Ohio ARES®

<http://gcares.febo.com/jumpkit.htm>

Virgina RACES

http://va-ares.org/Disaster_SuppliesCalendar.pdf

http://va-ares.org/html/personal___family_preparedness.html

C. Edward Harris (KE4SKY), VA ARES®

<http://www.ares.nhradio.org/emergency.html>

Backpacker's 10 Essentials (but every list is a little different!)

<http://www.bettercamper.com/10essentials.html>

<http://gorp.away.com/gorp/activity/hiking/skills/teness.htm>

The Big List

<http://www.survival-center.com/dl-list/dl1-toc.htm>

Equipped to Survive

<http://www.equipped.org/72hourkit.htm>

<http://www.equipped.org/disastertoc.htm>

Vito Labella

<http://members.aol.com/vlabella/bob.html>

http://members.aol.com/vlabella/72hour_listb.htm

Silverado Amateur Radio Society (W6CO)

<http://www.napasars.org/Storm%20Ready.htm>

MO-1 Disaster Medical Assistance Team

<http://www.mo1dmat.org/personalequip.htm>

Association of Volunteer Emergency Response Teams

http://www.avertdisasters.org/html/72_hour.html

http://www.avertdisasters.org/html/72_hour2.html

Toledo Area

<http://mediccom.org/public/tadmat/ARCHIVES/PEL.html>

Amateur Radio Emergency Service - Official Emergency Stations (AE3C)

<http://pgh-net.com/oes/go-kits.html>

Central Arkansas Radio Emergency Net

<http://www.carenclub.com/warbox.php>

Licking County Ohio ARES® Page

<http://www.cooken.org/ares.htm>

Ed Ricco N5LI - Albuquerque Amateur Radio Club

<http://www.qsl.net/albuquerquearc/news2003jC.html>

Lewis-Clark Amateur Radio Club Ham Happenings

http://www.co.nezperce.id.us/emgmt/2003_news/aug2003HH.pdf

KI4BUM Emergency Response Kit

<http://www.allisonhouse.com/ham/kit/>

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GO BAGS - CONTINUED FROM PAGE 4

Gwinnett County Georgia ARES®

http://home.comcast.net/~gwinnettares/sop/ARES_LOG_3_2.pdf

QRZ.com

<http://www.qrz.com/cgi-bin/ikonboard.cgi?act=ST&f=3&t=61423>

eHam.net

<http://www.eham.net/articles/8545>
<http://www.eham.net/articles/3585>
<http://www.eham.net/forums/EmergencyCommunications/999>
<http://www.eham.net/forums/EmergencyCommunications/947>
<http://www.eham.net/forums/EmergencyCommunications/184>
<http://www.eham.net/speakout/opinions/326>

Thanks W8IZC

**I didn't say it was your fault,
I said I was blaming you.**

MICHAEL AUSTIN FUND



I would like to send out a big thank you to everyone who has contributed to Mike's fund to date and/or has passed the word on to fellow hams from other clubs. We have officially passed the 1/3 mark as of our May meeting. We had some very generous donations given at our last meeting,

some in the "loose change" jar and some given directly to me to deposit into the fund. Our total as of last month stood at \$1,074.23. It is so nice to see growth and to see the fund moving toward our goal. I know that Mike will be very grateful, too. We will continue to put the jar out at meetings and will have it out at Field Day as well. Hopefully, visitors from the public may stop in since we will be in a much more public (and exciting!) venue, and, may wish to contribute as well. In the meantime, we are still looking for suggestions and ideas on how to raise the rest needed to reach our goal. We really need to "think outside the box" to make this happen for Mike and I know that all together we can make this happen! Any one at all can make a deposit directly into the fund at any Farmers National Bank by letting the teller know that it is meant for the Western Reserve Amateur Radio Club's Michael Austin savings account. Thanks to all again and keep up the good work!

73, Maureen KD8NXS

FROM THE FIELD DAY DESK

Hi Everyone,

I hope that everyone has had their share of rain this year. I think the sun will be shining soon with the end of May just past us..



Speaking of the end of May, that means that Field Day is a little less than one month away. Your officers have been planning this event since the 2011 Field Day. We need to have a dry run to make sure we have all the equipment needed for Field Day weekend; to make sure all the antenna parts are there and the antennas and the radios we plan to use are working; and to stake claim to our camping spot.

The Western Reserve Amateur Radio club is inviting everyone to Field Day. That includes all our members, their families and friends. If you have a camping trailer or you have a tent, we have a lot of space for you, with a porta-potty available that weekend. It will be held at Elser Metro Airport this year, which should be fun.

The Ham Radio Service/Hobby is what you make of it, for yourself and for the good of others. On June 22 around noon, we will start to set up our camping trailers. That does not mean that you must be there at noon Friday. This year Field Day weekend is June 22-23-24. Sue and I will be there hoping to see all our club members and their families Field Day weekend.

**73 to All,
Sue KD8CGW and Steve KC8SOY
330-774-6346**

FIELD DAY NEAR

The annual outdoor festival of Amateur Radio in the US and Canada is June 23-24 this year. EmComm training, campout, contest, photo op, however any individual views it, Field Day is the premier operating event for the largest number of amateurs in the world. So far as publicity for Amateur Radio is concerned, the ARRL as well as The Ham Radio Promoter (THRP) have excellent help for developing news releases for Field Day. If you are not familiar with THRP go to <http://www.neoham.org>, THRP is edited by Dee Logan, W1HEO of Mentor, OH.

Jim Weave K8JE

**How large is the Earth?
The surface area of the Earth is
197,000,000 square miles.**

WEAVERS WORDS

+++ ARRL June QSO Party +++



The ARRL June QSO Party offers an opportunity to bring two groups of amateurs together who often seem to have little in common beyond being radio amateurs. These are DXers/Contesters and VHFers/UHFers. More and more DXers and Contesters are getting on 6M if not the higher frequencies. Many VHF/UHF operators also have 6M capability as well as capability to work higher frequencies.

Modern multi-mode rigs are making great inroads into the life of UHF/VHF operators as well as DXers and Contesters. Why not join in the fun -- and maybe the DX -- of the June QSO Party? It runs from 6/9 - 11. See www.arrl.org/june-vhf-qso-party.

Incidentally, as I am writing this item (the afternoon of May 30), there are several openings to a number of states and to Mexico. What the bands would be like on a weekend with a great many more amateurs listening and calling CQ is a good question. If band conditions for the VHF QSO Party are at all similar to the conditions today, a good time could "be had by all."

+++ My Nickel's Worth +++

In the VHF QSO Party item, above, I referred to two groups of amateurs who may often seem to have little in common beyond possessing a similar piece of paper from the FCC. It is a sad fact of amateur radio life that we hams often become so comfortable operating in our own little niche that we often fail to see the value in operations outside our niche. This results at least partly from human nature as well as from the nature of the FCC licensing system. It is easy to develop a sense that "if I'm not involved in an activity, it isn't worth being involved in." Technician Class licensees, in particular, are left in their isolated corner of Amateur Radio by the very rules of the game. Whether this is good or bad depends on the individual, of course.

The result is that hams tend to end up in one or more of a variety of the following factions -- VHFers/UHFers, DXers/Contesters, builders, experimenters, public service oriented . . . and more. This fractionizing of Amateur Radio often leads to members of certain groups failing to view themselves as part of the whole and become fully centered on their own interest area to the exclusion of other interest areas.

So, why is this bad? As one example, it is bad because hams who are tied up with one of the several areas of activity in Amateur Radio may not

see that attacks on other areas of activity are relevant to themselves. For example, an avid DXer might not view an effort to seize UHF frequencies from amateur use and divert them to commercial use is undesirable. "If I don't operate there, who cares what happens?" Instead of viewing any attack on amateur radio as being bad, there is the risk that hams who take a narrow view of Amateur Radio become similar to passers-by to a street mugging . . . and do nothing to help defend the person or activity being attacked.

It is my strong belief that an attack on any phase of Amateur Radio is an attack on all of Amateur Radio. Therefore, the loss of any aspect of Amateur Radio to commercial or other interest is a loss to all of Amateur Radio.

The bottom line is that as Amateurs, we need to have and to maintain a strong national organization -- one that is strong enough to do battle with the more-moneyed lobbies who want our frequencies, for example. We have such an organization in ARRL. An estimated 50% of all active US licensees belong to and support ARRL. This is good.

What would be better is if the remaining 50% also belonged to and supported ARRL in its work to protect and expand Amateur Radio. This can happen only if active ham members of ARRL become familiar with the great variety of work ARRL is doing and spread the news of its legitimacy and relevance to amateurs who do not belong.

*James E Weaver, K8JE
k8je@arrl.org*

HAMVENTION 2012



I took tons of pictures and somehow managed to delete them all. I took these 3 after, Pic. 1 - members and Friends. Pic. 2 - Al & Robert in a Seminar. Pic. 3 - Robert, Al, and I with ARRL President Kay Craigie, N3KN. - K8JAA

Articles from members for the Wave Bender are encouraged. They must be received by the editor three days before the end of the month. Please send your articles to: k8jaa@arrl.net, and put WRARC on the subject line of your email. You may also send your articles to the editor at:
Jane Avnet
2050 E. South Range Rd.
New Springfield, OH 44443

FCC EXPANDS PART 95 MEDRADIO RULES TO ALLOW DEVICES IN 2360-2400 MHz BAND

From ARRL Headquarters
 Newington CT May 31, 2012
 To all radio amateurs

In a First Report and Order and a Further Notice of Proposed Rulemaking (ET 08-59) released on May 24, the FCC decided to expand the Part 95 Personal Radio Service rules to allow medical devices to operate on a secondary basis in the 2360-2400 MHz band. These devices -- called Medical Body Area Networks (MBAN) -- provide a way for health care facilities to monitor their patients via wireless networks. Because use of these frequencies will be on a secondary basis, MBAN stations will not be allowed to cause interference to -- and must accept interference from -- primary services, including radio amateurs who operate on a primary basis in the 2390-2395 MHz and 2395-2400 MHz bands.

ET 08-59 can be found on the web at, <http://www.fcc.gov/document/medical-body-area-networks-first-report-and-order>.

In July 2006, the FCC released a Notice of Proposed Rulemaking and Notice of Inquiry and Order (NOI), regarding the use of the radio spectrum for advanced medical technologies. In December 2007, GE Healthcare filed ex parte comments in response, proposing that the band 2360-2400 MHz be allocated on a secondary basis for "Body Sensor Networks" (BSNs). In April 2008, the FCC put the proposal on Public Notice; the ARRL submitted comments, pointing out the potential incompatibility with amateur operations. Nevertheless, in June 2009, the FCC released a Notice of Proposed Rulemaking that also requested comments on possible alternatives, including 2300-2305 MHz. The ARRL followed up in October 2009 with additional comments.

"Even though the Amateur Radio Service retains its primary status at 2390-2400 MHz, it remains to be seen how the addition of a new secondary service in the band will work out in practice," noted ARRL Chief Executive Officer David Sumner, K1ZZ. "In the past, the FCC has declined the ARRL's request to raise the status of the Amateur Service at 2300-2305 MHz to primary, even though there is no other service to which this segment of the band is allocated. This is now the only portion of the 2300-2450 MHz band -- which at one time was available in its entirety to amateurs -- that is not encumbered by other spectrum occupants. We hope that in the future, the FCC will be receptive to making the Amateur Service primary in this narrow segment, in recognition of the reduced utility of the remainder of the band."

In making the decision to allow these devices



in the 2360-2400 MHz band, the FCC noted that the costs of permitting MBAN operation "are limited to the risk of increased interference, which we minimize by adopting rules to protect other licensed operations in these bands. We find that the risk of increased interference is minimal and is greatly outweighed by the benefits of the MBAN rules we adopt today."

Sumner observed that with this decision, "the Commission has effectively taken 2360-2400 MHz off the table for consideration for commercial wireless broadband."

Use your frequencies or lose them!

WEAR YOUR CLUB WEAR

Wear your Club Wear to Field Day if you have it. Otherwise, dress to meet the public. Not sure how many visitors we will have that weekend, but lets put a good face on our club.

Remember that the general public compares us to and thinks of us in terms of CB. Many have asked about the CB in our cars (to my dismay :0) Most of them have talked to someone on a CB and sees nothing outstanding about that. All of them are now cell phone savvy so there is no mystique involved in wirelessly carrying on a conversation over long distances.

The objective should be to dispel those misconceptions and concentrate (in very general terms) on our capabilities during routine times through experimentation and friendships over long distances and our worth during emergency situations when we are asked to participate.

I have heard arguments that Field Day is an emergency communications exercise. Others say that it is a contest and others say that is just a good time. Field day actually consists of all of those! We practice setting up and operating under adverse conditions... preparing for emergency situations. Then the contest begins with friendly competition to see what group can make the most contacts and points. All during the event there are the fun activities, friends seeing each other and talking family, club and shop, hotdogs and hamburgers, and just having a great time.

How much did the first pay phone charge for a call?
In 1889, the first coin-operated telephone, patented by Hartford, Connecticut inventor William Gray, was installed in the Hartford Bank. Soon, "pay phones" were installed in stores, hotels, saloons, and restaurants, and their use soared. Local calls using a coin-operated phone in the U.S. cost only 5 cents everywhere until 1951.

June 2012



					<p>1 WRARC Net 9:00PM 145.270</p>	<p>2</p>
<p>Other members have birthdays in June, but are too shy to tell me when - Happy Birthday anyway!</p>						
3	4	5	<p>6 ARES Net 8:30 P.M. 146.745</p>	7	<p>8 WRARC Net 9:00PM 145.270</p>	<p>9 Happy Birthday K8JWA</p>
10	11	<p>12 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast</p>	13	<p>14 Flag Day</p>	<p>15 WRARC Net 9:00PM 145.270</p>	<p>16 Happy Birthday AB8AA</p>
<p>17 WRARC Board Meeting 7:00P.M. Happy Fathers Day!★</p>	18	<p>19 WRARC Meeting 7:00P.M.</p>	<p>20 First day of Summer</p>	21	<p>22 WRARC Net 9:00PM 145.270</p> <p>Setup for FD!</p>	<p>23 Testing 10AM</p> <p>Starting @ 2:00P.M.</p>
<p>24 Ending @ 2:00P.M.</p>	25	<p>26 Eat'n Park Boardman 8:30 A.M. Ham Community Breakfast</p>	27	28	<p>29 WRARC Net 9:00PM 145.270</p>	30