

UPPER PENINSULA NET NEWS SERVING THE WESTERN GREAT LAKES



HAM OF THE YEAR
KC8ZMN CHRIS HANSEN
UNIONVILLE MI

HAM OF THE MONTH
K8ESX MIKE VANCONANT
NATIONAL CITY MI

APRIL 2017

FROM THE EDITOR-----BILL, N8NJA bkn8nja@att.net

April the month of showers, Easter eggs, and hope of no more snow! The first two are a guarantee, the third one we will see. First a reminder, the Cadillac Swap is Saturday May 6th, Cadillac Junior High School, U.P. Net meeting at 10:00 a.m. Also, don't forget the Chassell Swap on April 22nd. I am 95 percent sure I will be there along with Ron Wittla, Bob W8KP's son with some items from his estate. I am waiting to hear from Ron when he returns from Florida. I have heard a lot of talk about this swap on the air this year so I think it will a good one.

The Michigan State Parks on the Air program has started with some activations last weekend. Should be a lot of fun. The FCC has finally acted and given us two new bands. They would present a challenge. Both of these subjects are covered in this newsletter.

The bands sure have been inconsistent lately, I hope that is not a sign of what we will have this summer. Check out Space Weather on the internet to keep up with what is going on in the atmosphere.

www.spaceweather.com Also check out **Space Weather Woman – Dr. Tamiotha Skov**
www.spaceweatherwoman.com/ She gives really good reports for Hams.

Hope to see many of you in Chassell and Cadillac.

UPPER PENINSULA NET WEBSITE www.michupnet.com

NET STATS

FEBRUARY 2016 CHECKINS 1000 TRAFFIC 40

FEBRUARY 2017 CHECKINS 900 TRAFFIC 34

HIGH CHECKINS WB8VOF 35 KC8ZMN 33 W8WR 32 WA8DHB 31

APRIL 2017

BIRTHDAYS AND ANNIVERSARIES

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						<i>1 PATTI DAUGHTER OF WA8DHB MARSHA XYL OF W8PZ</i>
<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13 KA9YIU GLENN KC9LHB MIKE</i>	<i>14</i>	<i>15</i>
<i>16</i>	<i>17 WD8PRW DON</i>	<i>18</i>	<i>19</i>	<i>20</i>	<i>21</i>	<i>22 K8ZJU BEVERLY</i>
<i>23 GAIL XYL OF KD9TZ ----- 30</i>	<i>24 WB8IEH & AGNES</i>	<i>25</i>	<i>26 K8MXC BOB</i>	<i>27</i>	<i>28 WA8THK PERRY WA8BHD AILEEN NS8V PAUL</i>	<i>29 K8SKY SKYE</i>

EXAMS

04/08/2017 | Ann Arbor MI 48108-1516 Sponsor: ARROW Communications Assoc.
Location: American Red Cross Building **Time:** 9:00 AM (Walk-ins allowed)

04/08/2017 | Charlotte MI 48813-9999 Sponsor: Eaton County Arc **Location:** Charlotte Church of Christ
Time: 12:00 PM (Walk-ins allowed)

04/08/2017 | Monroe MI 48161-9770 Sponsor: W8OTC **Location:** Good Shepherd Church
Time: 10:00 AM (Walk-ins allowed)

04/08/2017 | Port Huron MI 48060-4014 Sponsor: Eastern Michigan ARC **Location:** St Clair County Library **Time:** 10:00 AM (Walk-ins allowed)

04/10/2017 | Adrian MI 49221-8709 Sponsor: Adrian ARC **Location:** Building at Lenawee County Airport
Time: 7:00 PM (No walk-ins)

04/13/2017 | Dearborn MI 48124-3958 Sponsor: Ford Amt Radio League K8UTT
Location: Ford Motor Company-Building 1 Cafe Conference room 1 GG099 **Time:** 11:00 AM (Walk-ins allowed)

04/15/2017 | Coldwater MI 49036-2062 Sponsor: Branch County ARC, Inc. **Location:** H&C Burnside Senior Center **Time:** 10:00 AM (Walk-ins allowed)

04/15/2017 | Flint MI 48507 Sponsor: The KT8Q & W8ACW VE Teams **Location:** Baker College of Flint-Tech Center **Time:** 9:30 AM (Walk-ins allowed)

04/15/2017 | Ionia MI 48846-8512 Sponsor: ICARPSC **Location:** Ionia Central Dispatch
Time: 6:00 PM (No walk-ins)

04/20/2017 | Mount Clemens MI 48043-2217 Sponsor: SAROF **Location:** Mt. Clemens Salvation Army Corps (rear entrance) **Time:** 7:30 PM (Walk-ins allowed)

04/22/2017 | South Lyon MI 48178 Sponsor: South Lyon Area ARC **Location:** Witch's Hat Depot
Time: 9:00 AM (Walk-ins allowed)

04/23/2017 | Saint Joseph MI 49085-8615 Sponsor: NQ8A Testing Group **Location:** Church of Christ Bldg Rear **Time:** 12:30 PM (Walk-ins allowed)

**04/27/2017 | Battle Creek MI 49017-4867 Sponsor: SMARS Location: Maple United Methodist Church
Time: 7:00 PM (Walk-ins allowed)**

04/27/2017 | Owosso MI 48867-9999 Sponsor: Corunna VE Team Location: Baker College Welcome Center Time: 6:30 PM (Walk-ins allowed)

**04/29/2017 | Alma MI 48801-1504 Sponsor: Gratiot County ARA Location: Alma College
*Does not offer re-testing Time: 9:00 AM (Walk-ins allowed)**

**05/06/2017 | Cadillac MI 49601-1824 Sponsor: Wexaukee ARC/Cadillac Hamfest
Location: Cadillac Junior High School Time: 10:30 AM (No walk-ins)**

05/06/2017 | Mount Clemens MI 48043-2217 Sponsor: SAROF Location: Mt. Clemens Salvation Army Corps (rear entrance) Time: 7:30 PM (Walk-ins allowed)

05/08/2017 | Adrian MI 49221-8709 Sponsor: Adrian ARC Location: Building at Lenawee County Airport Time: 7:00 PM (No walk-ins)

05/09/2017 | Gaylord MI 49735-9822 Sponsor: Top of Michigan ARC Location: Gaylord Regional Airport Time: 7:30 PM (Walk-ins allowed)

HAMFEST

- **04/22/2017 | Chassell Michigan Hamfest Location: Chassell, MI
Type: ARRL Hamfest
Sponsor: Copper Country Radio Amateur Assn. & Keweenaw County Repeater Assn.
Website: <http://kcra-mi.net/>**
- 05/06/2017 | Cadillac Amateur Radio and Computer Swap Location: Cadillac, MI
Type: ARRL Hamfest Sponsor: Wexaukee Amateur Radio Club
Website: <http://www.wexaukeearc.org>**
- 06/03/2017 | IRA HAMFEST Location: Hudsonville, MI Type: ARRL Hamfest
Sponsor: Independent Repeater Association Website: <http://w8ira.org>**
- 06/10/2017 | LARS Hamfest Location: Newberry, MI Type: ARRL Hamfest
Sponsor: Luce Amateur Radio Society Website: <http://w8nby.com>**

**P.O. Box 312
Greenville, MI 48838
March 5, 2017**

Name/Callsign: Larry Alman ~~W8WR~~ **W8WR**

Birthplace/City/State/Year: Greenville, Michigan 1943

Education/School/location: Michigan School for the Blind, Lansing, MI

Employer Job: Last job 25 years Michigan Liquor Control. Commission, 25 years.

How/when did you get into Ham Radio: My neighbor was W8GNJ. I grew up with his kids. I received my novice license in May of 1965. Two months later I passed my General license in Chicago. 1987 I passed my Extra Class license in front of Dick Cotton WDX.

Spouse/Family: I lost my wife after 49 years. She had her General class license and picked up my old callsign WA8QCW. We have two daughters and seven grandchildren.

Other hobbies and Interests: I have been in the Greenville Lions Club for over 32 years. I am currently Secretary for over 5 years. Have been past president two times. I run a Jam session here in Greenville the 2nd Monday of the month. I like music and hiking. I spent over 7 years volunteering with Habitat for Humanity of Montcalm County, building homes. Recently I was appointed to the Greenville Housing Commission, where I am a commissioner. Another hobby is computer/s. If someone needs a hand I drop what I am doing and go help them. Most importantly is I promote the Organ Donor Registry at the Secretary of State once a month or more. I put on presentations supporting Eversight Michigan. The former name was Michigan Eye Bank and Gift of Life Michigan. It has been over 8 years that I have been doing this.

Rig/Antenna/Shack: Currently I am using a Icom 775 into an Alpha Delta DXCC. Center is up about 50 feet. I am borrowing the back of my neighbor's garage for the back end of it and I have a 20' flag pole at the front. This is my station in a postage stamp lot. My shack is in the master bedroom on the main floor of my home.

73, Larry W8WR

NEW 2 Bands in USA: 630meters (472-479 kHz) and 2.200 meters (135.7-137.8 kHz)..... from the ARRL

The FCC on March 28 adopted rules that will allow secondary Amateur Radio access to 472-479 kHz (630 meters) and to 135.7-137.8 kHz (2,200 meters), with minor conditions.

It allocates 472-479 kHz to the Amateur Service on a secondary basis and amends Part 97 to provide for Amateur Service use of that band as well as of the previously allocated 135.7-137.8 kHz band. The *R&O* also amends Part 80 rules to authorize radio buoy operations in the 1900-2000 kHz band under a ship station license. Just when the new Part 97 rules will go into effect is difficult to determine just yet; more on that below.

“It’s a big win for the Amateur community and the ARRL,” ARRL CEO Tom Gallagher, NY2RF, said. “We are excited by the FCC’s action to authorize Amateur Radio access for the first time on the MF and LF spectrum. As amateurs begin using these new allocations in the next few weeks, we encourage the entire Amateur Radio community, as secondary users, to be especially attentive to the rules.”

It has not been an easy win, however. ARRL has been trying since the 1970s to convince the FCC to allow amateur access to parts of the spectrum below the Standard Broadcast Band. Through the Utilities Telecoms Council (UTC), electric power utilities have opposed Amateur Radio use of the MF and LF spectrum, raising unsubstantiated fears of interference to unlicensed Part 15 power line carrier (PLC) systems used to manage the power grid. The FCC said the Amateur Radio service rules it has adopted for 630 meters and 2,200 meters allow for co-existence with PLC systems that use the two bands.

Here are the highlights:

- Amateurs operating on **472-479 kHz** will be permitted a maximum equivalent isotropically radiated power (EIRP) of 5 W, except in parts of Alaska within 800 kilometers (approximately 496 miles) of Russia, where the maximum would be 1 W EIRP. [EIRP is the product of the power supplied to the antenna and the antenna gain in a given direction, relative to an isotropic antenna (absolute or isotropic gain). EIRP is equal to ERP multiplied by 1.64.]
- Amateurs operating in the **135.7-137.8 kHz band** will be permitted to run up to 1 W EIRP.
- The FCC is requiring a 1-kilometer separation distance between radio amateurs using the two new bands and electric power transmission lines with PLC systems on those bands. Amateur Radio operators will have to notify the UTC of station location prior to commencing operations. The FCC Wireless Telecommunications Bureau will provide details on the notification process later, but ARRL is urging radio amateurs interested in operating on either band to register at the earliest opportunity, to avoid having to protect any “post-notification” PLCs.

- The FCC placed a 60-meter (approximately 197 feet) above-ground-level (AGL) height limit on transmitting antennas used on 630 meters and 2,200 meters.
- The bands would be available to **General class and higher licensees**, and permissible modes would include CW, RTTY, data, phone, and image. Automatically controlled stations would be permitted to operate in the bands.

In an unrelated action, the FCC allocated 1,900-2,000 kHz to the maritime mobile service (MMS) on a primary basis for non-Federal use in ITU Regions 2 and 3, and limited the use of this allocation to radio buoys on the open sea and the Great Lakes.

“We are persuaded by ARRL’s comments to adopt final rules that are better tailored to the places where the commercial fishing fleet can make reasonable and productive use of radio buoys,” the FCC said.

Amateur Radio was upgraded from secondary to primary in the 1900-2000 kHz segment in 2015. The FCC said it believes Amateur Radio and radio buoys “can continue to share this frequency band as they have done for many years.” It declined to make additional spectrum available for radio buoy use.

Effective Date

The fact that the new rules contain a new information-collection requirement — notification of operation to the UTC — makes it difficult to guess at an effective date. The FCC R&O says the Office of Management and Budget (under the Paperwork Reduction Act) must first approve the information-collection requirements (in §97.303[g][2]). Once that happens, the revised Part 97 rules sections will become effective after the FCC publishes a notice in *The Federal Register* “announcing such approval and the relevant effective date.”

Are not these bands where Ham Radio got started? Remember, no spark gap transmissions allowed!!!! Be prepared to make some real long antennas and big, big loading coils.

Lots of information on the internet about receivers, transmitters, and antennas.

Follow these links to some information on equipment:

arrl.org/files/file/Technology/pdf/craig.pdf

https://sites.google.com/site/g3xbmqrp3/mflf/137khz_tvtr

<http://www.alg.myzen.co.uk/radio/136/loop.htm>

<http://www.northcountryradio.com/Kitpages/lf90.htm>



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THIS IS THE WEB PAGE FOR THE MICHIGAN STATE PARKS ON THE AIR. ALL THE INFORMATION YOU NEED ABOUT THIS EVENT IS HERE. PLEASE CONSIDER PARTICIPATING IN THIS PROGRAM. www.mspota.org