



# Long Path



Volume 20 Issue 8

SEMDXA NEWSLETTER

May, 2003



## President's Report

Well, last weekend was the Michigan QSO Party and I hope you all did well and we have a winner or two in our group. Unfortunately, I had a relative come into town and I got stuck entertaining. Drat! I was really pumped up for this contest too. Oh well, maybe next year.

As most of you know by now our speaker for the May meeting is **DL2HBX**, Uli, and his presentation will be on **CN8WW**. It appears as though the operating stations were set up in the back of a semi rig. Great idea too providing it has AC. It would be a great idea for Field Day, eh? I am looking forward to his presentation and mark a spot in your Franklin Planner as you won't want to miss this one.

On another note, I am very pleased as I am sure most of you are as well, that for the most part the war is over. I try to stay away from politics as much as possible but we need to keep our troops in mind, as well as the good folks in Iraq. Let's all wish them well.

The weather is getting better by the day and our antenna projects will be starting very soon. Before doing any antenna work think twice and be safe.

I'll see you all at the next meeting on May 9 and until then best 73 and DX.

**K8SIX**

## W1WPR (SK)

Sadly, another Ham-legend has passed. Chuck Bender, **W1WPR (W3ODU** earlier) died in his home in West Hartford, Connecticut on April 17. Chuck was 79 years old. He was the Chief Operator at **W1AW** for 17 years and retired in 1989. Chuck's career as a **W1AW** operator began in 1952. Many of our old-timers will recall that Chuck frequently took calls from amateurs immediately after **W1AW** code practice sessions on 3555 kHz. His signature was "CR" which was typical of the **ARRL Headquarters** gang in days of yore. Your Editor has a **W1AW** card depicting the station at that time dating to 1955 and signed by him as "CR".

## May Meeting

Ever wonder how to achieve more than 23,000 QSOs in a single weekend? At our May meeting **AB8QV (DL2HBX)**, one of the operator, takes you to **CN8WW** to the CQ WW Multi/Multi world-record-breaking activities of the Bavarian Contest Club. A video will be presented as well as some insight into the equipment and methods used. See the box scores for their 75,000,000 point score on our web site at [www.semdxa.org](http://www.semdxa.org).

Join us at our meeting on Friday, May 9

at the Troy Elks Club located on Big Beaver Road in Troy. We will gather at 17:30 in the dining room for libation and dinner. The program begins at 19:30.

Oh yes, one other thing, invite a guest and bring 'em along! It's a great time for fellowship and gossip swapping

**W8LU**

## SEMDXA CLUB OFFICERS

*President:* Al Bailey, **K8SIX**

*Vice-president:* John Millet, **K8JM**

*Treasurer:* Buck Switzer, **N8CQA**

*Secretary:* Stan Arnett, **AC8W**

*Director:* Ted Pauck, **K8NA**

*Web Site Editor:* Ken Schang, **W8LU**

*DXCC Checker:* Bill Jones, **N8KF**

*DXCC Checker:* S.Arnett, **AC8W**

*VUCC Checker:* Al Bailey, **K8SIX**

*CQ Checker:* Mike Rudzki, **N8MR**

*CQ Checker:* Al Bailey, **K8SIX**

*Program Chairman:* Vacant

*LP Publisher:* Gerry Fasse, **W8GF**

## April Minutes

Meeting called to order at 20:05 by President **K8SIX**. Twenty-one members and guests present.

Congratulations to **DL2HBX** who is now **AB8QV** for a short time until his vanity call sign arrives.

**K8CC** reminded members of the upcoming Michigan QSO Party (MQP) Saturday, April 19 from noon to midnight. Work each station once per mode per band.

**W8LU** requests that members keep their e-mail addresses up dated to insure receiving their copy of the *Long Path*.

**K8SIX** purchased a DVD/VCR device per the vote last meeting. The invoice will be given to Treasurer **N8CQA**.

The evenings program featured **K8DD** and **AC8W** and their February trip to V4 (St. Kitts). Billed as a St. Valentines Day vacation, **K8DD** and his **XYL** Kathie and **AC8W** and his **XYL** Trish (**KA8AMX**) boarded a Northwest flight to San Juan on Tuesday February 11 leaving 27° and snowy weather behind. After a four hour layover, they got on an American Eagle flight to St. Kitts and arrived about 19:00 that evening. The Bird Rock Beach Hotel was their destination that evening and they enjoyed the 80° temperatures and balmy breezes.

Most of the next morning was spent getting the license due to "Island Time" - that peculiar Caribbean characteristic that seems to make everything go in slow motion! After several hours with the Telecommunications Officer, Mr. Glenroy Dear, **K8DD** received the call sign **V47DD**. Stan was assigned **V47WW** and **KA8AMX** received **V47MX**.

After a short lunch and shopping break we returned to the hotel and put up our

wire and got on the air. Antennas used included a **G5RV**, a Sigma V vertical, a **DK9SQ** loop and a ten meter dipole. Conditions were great and lots of stations went into the log.

Time was taken for sight seeing, including a trip around the island to the North. Sugar Cane is their cash crop and they happened to be harvesting while we were there. St. Kitts has several World Heritage sites including Black Rocks were the volcano -Mt. Liamuiga - blew its top. Brimstone Hill an outstanding fortress that was known as the Gibraltar of the Caribbean in the 18th Century was another interesting site. As stated before, we were on the island for St. Valentines Day and (coincidentally) the ARRL DX CW Contest happened to fall on that weekend (what a surprise). After a very romantic dinner with the girls, they guy returned to the room for 48 hours of contesting in the Single Transmitter, Low Power category as **V47WW**. We didn't win the world, but we had fun.

A couple more days of relaxing and operating and the we packed up, retraced our flight home to DTW on Thursday, February 20th where we were met by temperatures in the low 40s and soon followed by ten inches of snow on the weekend. A fun time was had by all.

**K8SIX** mentioned that **K8NA**'s wife was hospitalized for gall bladder surgery. He also clarified that he was only qualified to check up to 170 QSLs for the CQ 5-Band WAZ award. **K8SIX** mentioned that he was the QSL Manager for **CL9C** that was active during the CQ-WPX Contest.

Meeting adjourned at 21:15.

**AC8W**, Secretary

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## Membership Stats

Once per year the *Long Path* publishes membership statistics. Current membership totals **52** paid up Amateurs. Our perpetual roster contains **224** call signs of which **14** are Silent Keys. Following former members are now Silent Keys: **KB8IOS**, **KC8OB**, **KM8Y**, **N8OEA**, **N8FGH**, **NG8S**, **W8BXM**, **W8KPL**, **W8KZM**, **W8LZV**, **W8QFR**, **W8URM**, **WB8OHO** and **WD8CRY**.

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## ND8V QRM

More trouble for **ND8V**! The following item from the ARRL Letter of April 25.

The FCC alleges that a Michigan ham engaged in deliberate interference and broadcasting and threatened other amateurs, and it's sending Michael Guernsey Sr, **ND8V** of Parchment a tape recording to back up those assertions. Since late 1998, Guernsey has been the recipient of seven letters from FCC Special Counsel Riley Hollingsworth, including two warning notices. In 2000, the FCC threatened to designate Guernsey's license for a revocation and suspension hearing. Guernsey subsequently agreed to a nine-month suspension of his HF privileges in 2001.

"The operation of your station over the last several years raises questions about your qualifications to remain a Commission licensee," Hollingsworth wrote Guernsey on April 7. The latest flap primarily involves complaints from other amateurs of deliberate interference on 20 meters. The recorded transmissions were made on March 26, 2003.

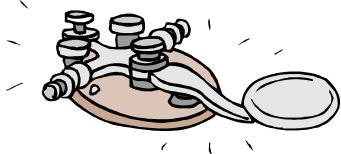
In his letter, Hollingsworth noted that some of the interference apparently

sprang from on-the-air personal disputes or from what Guernsey perceived as deliberate interference to his transmissions. Even so, Hollingsworth said, Guernsey has apparently ignored the Commission's written and verbal warnings to not retaliate with similar behavior. Hollingsworth advised Guernsey that the alleged deliberate retaliatory threats and transmission on top of other QSOs are contrary to FCC rules "and indicate that the numerous warnings to date have little, if any effect in regarding to bringing your operation into compliance with Commission rules."

Hollingsworth requested that Guernsey review the tape recording and respond in writing and in detail within 20 days. He said the FCC will use the information Guernsey submits to decide whether to designate Guernsey's license for a suspension and revocation proceeding or to lift voice privileges from Guernsey's license for the remainder of his license term, which ends in 2012.

In a related letter, Hollingsworth issued similar words of caution to George Zardecki, **N9VTB** of Chicago, with whom, he says, Guernsey has squabbled on the air. While Hollingsworth indicated that he would review and take action regarding Zardecki's deliberate interference complaints, he advised Zardecki that "in several instances, your own conduct was as bad or worse than the party about whom you complained." He cautioned Zardecki against retaliatory interference, slander and name calling.

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## Your Call Sign/507

An additional page included with this month's *Long Path* depicts a potential operating site called "Four Corners". Might be difficult to convince the Native Americans that control this area however! Any volunteers?

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## SØ5X Log Search

You can check your log against the **SØ5X** log at: <http://193.207.106.231/s05x> Click on *Link to Log Checking*.

QSL via **EA4URE**  
**UNION RADIOAFICIONADOS ESPANAOLES**  
**POST OFFICE BOX 220**  
**28080 MADRID, SPAIN**

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Following from ARRL Letter 4/18/2003

## BANDWIDTHS "EXTREMELY INCONSIDERATE," FCC SAYS

The FCC has sent advisory notices to four enthusiasts of what's become known as "enhanced SSB"--the practice of engineering transmitted single-sideband audio to approach broadcast quality. Letters went out earlier this month to amateurs in Illinois, Florida and New Jersey who are aficionados of enhanced SSB, also known as "upper wideband" and "lower wideband."

"The Commission has received numerous complaints regarding the operation of your station," FCC Special Counsel Riley Hollingsworth wrote Paul Christensen, W9AC, John Anning, NU9N, Anthony Latin, W4NSG, and Sarno Salerno, W2ONV, on April 3. Hollingsworth said complaints to the FCC alleged that the bandwidths of the stations' enhanced SSB emissions were "wider than necessary and contrary to good engineering practice." "Wideband

overly-processed audio, especially when coupled with the high intermodulation levels of certain amplifiers, results in the use of bandwidths extremely inconsiderate of other operators," Hollingsworth said. Such transmissions may violate FCC rules and may be at odds with what Hollingsworth described as "the expectation that the Amateur Service be largely self-regulated.

"Occupying more bandwidth than necessary in a heavily used amateur band, Hollingsworth wrote, not only could generate ill will among operators but lead to petitions asking the FCC to establish bandwidth limits for amateur emissions. At present, the FCC imposes no specific bandwidth limits on various amateur modes. Hollingsworth cited 307(a) of the Amateur Service rules that requires the signal of an amateur station not occupy "more bandwidth than necessary for the information rate and emission type being transmitted, in accordance with good amateur practice."

Some amateurs have complained that enhanced SSB signals can take up 8 kHz or more of spectrum, cause splatter and unnecessarily interfere with other stations. "The Amateur Service is not a substitute for the Broadcast Service," Hollingsworth said, "and the frequencies allocated to the Amateur Service were not allocated for a 'broadcast quality' audio emission or sound." Hollingsworth suggested the enhanced SSBers operate when the bands are less busy or on bands that are not heavily used. The many complaints the FCC has been getting--20 or so per week--leads to the conclusion that the stations' enhanced SSB operation is having "a negative impact" on the Amateur Service, Hollingsworth said. He requested that the four amateurs "review the rules" and make sure their stations conform to them.

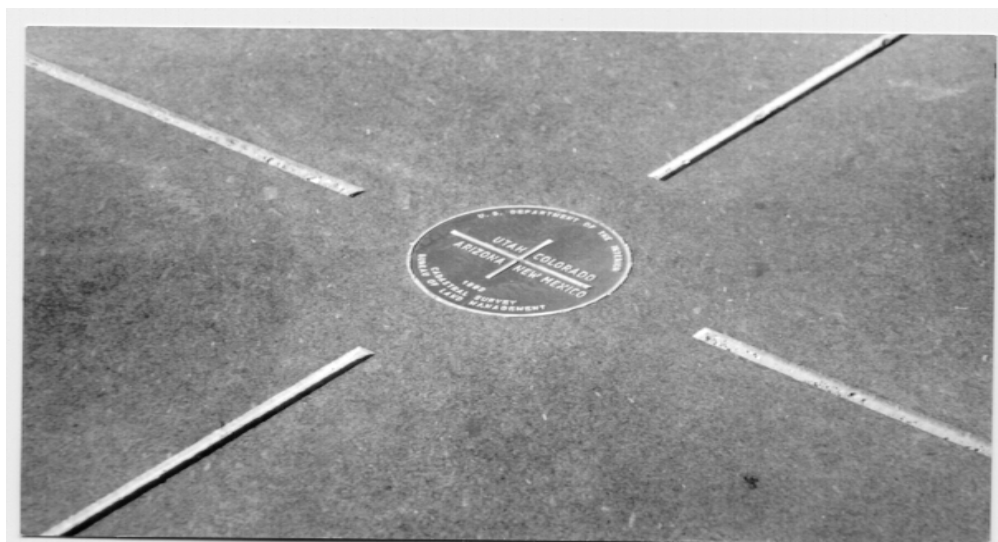
**SEMDXA DX CHASE STANDINGS AS OF APRIL, 2003**

| <u>CALL</u> | <u>160</u> | <u>80</u>  | <u>40</u>  | <u>30</u>  | <u>20</u> | <u>17</u>  | <u>15</u> | <u>12</u>  | <u>10</u> | <u>6</u>   | <u>TOTAL</u> | <u>DXCC</u> |
|-------------|------------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|--------------|-------------|
| N8GZ        | <i>194</i> | 301        | 327        | <i>321</i> | 335       | 324        | 332       | 316        | 327       | 0          | 2777         | 385/335     |
| K8EJ        | 185        | <i>305</i> | <i>331</i> | 317        | 334       | <i>325</i> | 332       | <i>317</i> | 329       | 0          | 2775         | 367/335     |
| N8JV        | 128        | 303        | 328        | 291        | 334       | 319        | 331       | 305        | 328       | 0          | 2667         | 341/335     |
| K8NA        | 112        | 272        | 322        | 300        | 334       | 324        | 331       | 314        | 325       | 0          | 2634         | 350/335     |
| W8LU        | 117        | 243        | 321        | 295        | 335       | 313        | 323       | 289        | 315       | 0          | 2551         | 349/335     |
| K8SIX       | 87         | 172        | 255        | 235        | 326       | 283        | 316       | 255        | 300       | 100        | 2329         | 343/332     |
| W8GF        | 126        | 277        | 315        | 170        | 335       | 168        | 322       | 140        | 291       | <i>103</i> | 2247         | 366/335     |
| KR8V        | 4          | 145        | 250        | 10         | 305       | 45         | 280       | 6          | 240       | 0          | 1285         | N/A         |
| K8FZ        | 8          | 122        | 233        | 7          | 292       | 10         | 259       | 9          | 221       | 0          | 1161         | N/A         |
| AC8W        | 18         | 118        | 176        | 17         | 298       | 7          | 243       | 4          | 181       | 0          | 1062         | N/A         |
| N4JQQ       | 0          | 20         | 72         | 31         | 250       | 72         | 229       | 46         | 273       | 48         | 1041         | N/A         |
| K8ZZU       | 6          | 109        | 124        | 5          | 292       | 40         | 246       | 25         | 183       | 0          | 1030         | 341/332     |
| KT8X        | 20         | 99         | 135        | 0          | 208       | 0          | 203       | 0          | 193       | 0          | 858          | 299/298     |
| N8SNM       | 0          | 46         | 125        | 19         | 233       | 26         | 204       | 26         | 146       | 0          | 825          | 315/315     |

N/A = Not Available

Due to space limitations, RTTY, IOTA and 5-BWAZ totals not shown

Totals and band leaders shown in Italics



# SEMDXA MEMBERSHIP RENEWAL

## South Eastern Michigan DX Association (SEMDXA)

Date: \_\_\_\_\_

Application for new membership \_\_\_\_\_ or Application for renewal \_\_\_\_\_ (check one)

Full membership \_\_\_\_\_ or Associate membership \_\_\_\_\_ (check one) Dues: \$15.00 annually

(See SEMDXA website for membership requirements)

Present Call Sign: \_\_\_\_\_ Previous Call Sign: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State/Zip Code: \_\_\_\_\_

Telephone: \_\_\_\_\_

E-mail address: \_\_\_\_\_

***MAKE CHECK PAYABLE TO SEMDXA***

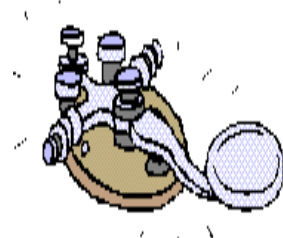
***Make payment at next SEMDXA meeting or mail with remittance to:***

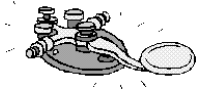
***Leon Switzer, Treasurer***

***427 Jeffrey Avenue***

***Royal Oak, Michigan 48073***

***NOTE: TO RECEIVE THE CLUB NEWSLETTER "THE LONG PATH" YOU MUST PROVIDE YOUR E-MAIL ADDRESS!***

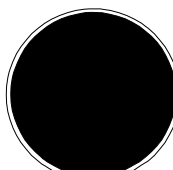













# May 2003

## SEMDXA Monthly Planner



| Sunday                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Monday                                                                                                                                                     | Tuesday   | Wednesday                               | Thursday                                                                                                                          | Friday                                                                                                                                               | Saturday                                                                                   |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
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| <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">April</p> <table style="font-size: small; border-collapse: collapse; width: 100%;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td></td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">June</p> <table style="font-size: small; border-collapse: collapse; width: 100%;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td><td></td></tr> </table> </div> </div> |                                                                                                                                                            |           |                                         | S                                                                                                                                 | M                                                                                                                                                    | T                                                                                          | W | T | F | S |  | 1 | 2 | 3 | 4 | 5 |  | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |  |  | S | M | T | W | T | F | S |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |  |  |  |  | <b>1</b><br><br>NEW MOON | <b>2</b><br><b>WIAW QUALIFYING RUN</b> | <b>3</b><br>10-10 SPRING TEST<br>MARAC COUNTY HUNTERS TEST<br>NEW ENGLAND, INDIANA QSO PARTIES |
| S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | M                                                                                                                                                          | T         | W                                       | T                                                                                                                                 | F                                                                                                                                                    | S                                                                                          |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
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| S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | M                                                                                                                                                          | T         | W                                       | T                                                                                                                                 | F                                                                                                                                                    | S                                                                                          |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
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| 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 29                                                                                                                                                         | 30        |                                         |                                                                                                                                   |                                                                                                                                                      |                                                                                            |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
| <b>4</b><br>ARI DX TEST (STARTS MAY 4, 2000Z)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>5</b>                                                                                                                                                   | <b>6</b>  | <b>7</b>                                | <b>8</b><br><br>V-E DAY (1945)                  | <b>9</b><br><br><b>SEMDXA MEETING</b>                             | <b>10</b><br><b>CQM TEST</b><br>FISTS QSO PARTY<br>NEVADA QSO PARTY<br>OREGON QSO PARTY    |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
| <b>11</b><br>50 mHz SPRING SPRINT<br><br><b>MOTHERS DAY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>12</b>                                                                                                                                                  | <b>13</b> | <b>14</b><br><b>K6YR QUALIFYING RUN</b> | <b>15</b>                                                                                                                         | <b>16</b><br><b>DAYTON HAMVENTION</b><br><br>FULL MOON          | <b>17</b><br><b>ARMED FORCES DAY</b><br>KING OF SPAIN CW TEST<br>US COUNTIES SSB QSO PARTY |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
| <b>18</b><br><br><b>HAPPY ANNIVERSARY (JMF,GAF)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>19</b><br><br><b>VICTORIA DAY (CANADA)</b>                           | <b>20</b> | <b>21</b><br><b>WIAW QUALIFYING RUN</b> | <b>22</b><br><br><b>NATIONAL MARITIME DAY</b> | <b>23</b>                                                                                                                                            | <b>24</b><br><b>CQ WW WPX CW TEST</b><br><b>QRP ARCI CW SPRINT</b>                         |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |
| <b>25</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>26</b><br><b>MI QRP SPRINT</b><br><br><b>YANKEE AIR FORCE MUSEUM</b> | <b>27</b> | <b>28</b>                               | <b>29</b>                                                                                                                         | <b>30</b><br><br><b>MEMORIAL DAY</b><br><b>SIX CLUB WW TEST</b> | <b>31</b><br>GREAT LAKES QSO PARTY<br><b>MCR US ISLAND FEST (W8MRM)</b>                    |   |   |   |   |  |   |   |   |   |   |  |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |  |                                                                                                            |                                        |                                                                                                |