



Long Path



Volume 24 Issue 2

SEMDXA NEWSLETTER

October, 2006



Greetings Fellow DXer's,

Since our last meeting I have taken the time to read the instructions and get some hands on experience with the projector. I have made up a cheat sheet and had it laminated for future use and I assure you what happened at the last meeting will NOT happen again. Bottom line though I found that the projector MUST be turned on first and then once it settles down you turn on the laptop and let it sync with the projector. I will show the cheat sheet at the next meeting. Included on that sheet are the shut down instructions so we don't shorten the lamp life.

Now on to bigger and MUCH better things. DX This months speaker will be Bernie Mc Clenny, **W3UR**, and his presentation will be on the VU4 dxpedition. Bernie has been at our meeting in the past and puts on a very good presentation and I am sure you will not want to miss this one. For those of you that have not been to one of our meetings, it will be held on Friday October 13th at the Troy Elks club located at 1451 East Big Beaver Rd, between John R and Rochester Rd. Bring a new ham if you know one and introduce him/her to the fun of working DX.

I hope to see all of you there, and as always work safe if doing any antenna work. Don't forget your dues if you are

not up to date, and keep in mind we need the applications filled out along with your payments. They are available online or we will have some at the meeting.

73 and DX de **K8SIX**

P.S. Don't let Friday the 13th scare you away.

DUES ARE DUE!

Dues are due and payable at the first meeting of the new year which for **SEMDXA** begins September 1. Also, you must fill out the application form attached to every issue of the *Long Path* so that our records can be updated. Dues are \$20.00 per year and may be paid by personal check or cash. Our Treasurer, **N8SNM** will be present at the meetings to collect your dues or you may submit your dues via the USPS. His address is noted on the last page of this issue of the *Long Path*. Keep in mind that it is your dues that enable Club Management to provide our membership with top-notch programs at our gatherings each and every month.

Thanks from your Club Officers.

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## September Minutes

Meeting Called to order at 7:40 p.m. by President **K8SIX**. Twenty-seven members and guests present.

President Al announced an upcoming January 2007 Dx-pedition to VU7 Lakshadweep. An international team of seventy or so will activate three stations from January 15 -25, probably using **VU7RG**. More to come on this one.

This has been an outstanding season

## SEMDXA CLUB OFFICERS

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

*Vice-president:* Ken Schang, **W8LU**

*Treasurer:* Brad Nowak, **N8SNM**

*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 Chair:* Sean Fleming, **K8KHZ**

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

DXing including a great opening to JA on June 4th. President AI showed some grid square maps of "heard and worked" from all over the U.S.

Treasurer **N8SNM**, tells us the treasury has \$573.69. He will be adding more from dues taken in tonight. Dues are due.

**K8DD**, told us to look for **MD/K8DD**, **MD/AC8W** and **MD/KA8AMX** from the Isle of Man September 28 through October 4th. They fly to England September 20th and might be on from the Mother County as well.

**K8SIX** introduced a video of the **YE6P** IOTA DX-pedition however-technical difficulties with the computer/projector interface precluded showing it.

In lieu of the video, **AC8W**, offered to relate his "How I Spent My Ham Radio summer" stories.

He told of a trip to Hamcomm in Plano, TX with **K8DD**. They drove about 800 miles the first day and spent the night in MO. The next morning they took part in the great 6M opening and worked stations all over the Midwest with a vertical and IC-706MkII on the van.

Another summer highlight was participation in the **NUIAW** entry in the Radio Sport test that had several stations hooked via the Internet with real-time logging.

Lastly, Stan told about his 35th anniversary trip to Grand Hotel on Mackinaw Island. Ever the romantic he invited Trish to the Coupola Bar at the very top of the hotel and at first glance commented that it would make a great operating spot! He also set up the Buddipole in the room and his IC706MkII on the bathroom counter. The only seat was "on the pot". Unfortunately they were on the second

floor, under the roof overhanging the long porch, and he did not work any-one (probably a real "crappy" signal).

**N8MR**, told us of his trip to the Keweenaw Peninsula where he activated lighthouses and experienced strange propagation, Great Northern Lights show though.

**WZ8K** vacationed on French St. Martin and took along his Elecraft KX-1 and had fun working Europe with one watt and a short random length wire strung across his balcony. He also had a chance to visit **F5SUQ (W1UQ - PJ7UQ)** and see the contest operating building that is 1,400 feet ASL and has an 8 element log periodic on a 75 foot tower.

Meeting adjourned at 8:45 p.m. to general fellowship.

**AC8W**, Secretary

## Cspan Plug

CSPAN recently ran a story originating from the US Congress dealing with Electro Magnetic Pulse (EMP) effects. Congressman Roscoe Bartlett (R, Maryland) was discussing in great detail what would happen if the United States were attacked by a high-altitude nuclear detonation. He mentioned that if a device were to be detonated at an altitude of 200 to 300 miles over Kansas, massive damage could result to our electrical grid system and much of our electronic equipment including computers, TVs, radios and similar devices.

He mentioned semiconductor technology that utilizes Metal Oxide principles -which would include most of our modern electronic equipment - and how it would be highly vulnerable to such a high altitude nuclear blast. In his

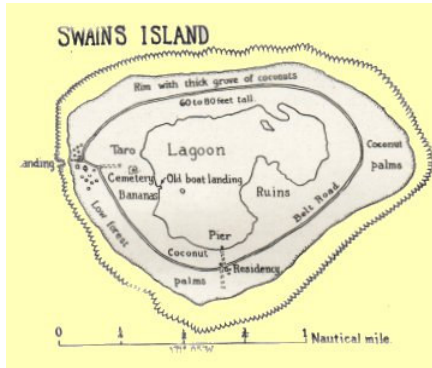
analysis, printed circuit traces would have extremely high voltages induced which would puncture and destroy semiconductors in less than one microsecond! He noted that even if much of the circuitry would or could survive such a catastrophic event it would only take one or two semiconductors being destroyed to disable an entire system.

*During the discussion Mr. Bartlett noted that vacuum tube equipment has a much greater tolerance to EMP and especially pointed out that Ham Radio Operators may be the only people that could provide emergency communications under these circumstances.*

Congressman Bartlett detailed military efforts to make their equipment designs less vulnerable to EMP attacks. This was referred to as "EMP hardened technology."

In prior times, it was thought that a potential enemy would not likely waste his weapon resources on an high altitude explosion when cities could be destroyed using these weapons at more conventional altitudes. This thinking has been reversed however, because with today's terrorism threat, entire areas of the United States could be rendered without critical communications. Thus the renewed emphasis on a subject that had been discarded previously as an unlikely event.

For the curious among our membership, QST Magazine ran a series of four articles which describe in great detail the EMP scenario and how it affects electronic equipment (August, September, October and November 1986). Discussion with tables, drawings and graphs, authored by Dennis Bodson, **W4PWF** is provided which, given today's political conditions, is worthwhile reading.



## Swains Island (#337)

Swains Island lies 663 nautical miles south of the equator, 100 miles south of Fakaofu (now Fakaofu), 170 miles north and a little east of Apia, Samoa, 200 miles north and a little west of Pago Pago, and 310 miles west of Pukapuka (Danger Islands).

The island is a ring of sand and coral, a mile and a half east and west, a mile wide, and nowhere more than 20 feet high, surrounding a shallow lagoon, which is only slightly brackish, with no surface connection with the sea. Most of the land, from the crest of the narrow ocean beach to the very edge of the lagoon, is thickly covered with vegetation, about 800 acres of coconut palms and various trees and shrubs found widespread in the Pacific.

Besides the present official name of Swains Island, the island is also known by its native Tokelau name of Olosenga (or Olohega), and as Quiros Island, Gente Hermosa, and Jennings Island. These names outline its long and varied history.

Its earliest history is a mixture of Tokelau legend and the sketchy account of the famous Portuguese navigator of Spanish vessels, Pedro Fernandes de Quiros, who discovered what is supposed to be this island, March 2, 1606. He describes a people so attractive that

he named the place Isle de la Gente Hermosa, "the island of handsome people.

Shortly after this, Olosenga was conquered by an expedition from Fakaofu; the brave and handsome men were killed or driven from the island, and some of the beautiful, fair-skinned women were taken back to Fakaofu as wives. But the chief of Olosenga left a curse on the island, so it is said. When colonists came from Fakaofu, a drought struck the island, famine followed, fishing near shore became poor, and the people died of starvation.

Captain Hudson, of the U.S. Exploring Expedition's ship Peacock, learning of the island in Samoa from a whaling captain named Swain, visited it and surveyed the outer edge, February 1 to 4, 1841, but was unable to land because of stormy weather. He reported no inhabitants on the island; and finding the position quite different from that given by Quiros, he named it Swains Island. Shortly after this a new colony was founded from Fakaofu; but they were scarcely established before three Frenchmen landed, as agents for a French company, to make coconut oil.

On October 13, 1856, Eli Hutchinson Jennings, an American, born November 14, 1814, at Southampton, Long Island, N.Y. landed and he founded a unique little community, now in its third generation. In Samoa he had married Malia, a native woman of rank. He claimed to have acquired title to the island from Captain Turnbull, an Englishman, who said he had discovered the island.

Eli, Jr. was born on the island, January 1, 1863, and inherited it after the death of his father, December 4, 1878, and his mother, October 25, 1891. Under his management the coconut plantation prospered. So much so, that in September, 1909, the Resident Commissioner of the Gilbert and Ellice Islands Colony (now Republic of Kiribati and Tuvalu) visited Swains Island and demanded

\$85.00 tax. Jennings paid the money, but appealed to the American Consul at Apia, who in turn took the matter up with the U.S. State Department. The tax money was returned. This was the first of several international episodes involving Swains Island.

Upon the death of Eli, Jr., October 24, 1920, the island was left jointly to his daughter Ann Eliza and son Alexander. The daughter had married a British subject, Irving H. Carruthers, who had been named executor and trustee, and they lived in Apia. In 1921, Mr. Carruthers was unable to probate the will, as Apia no longer had an American Consul, and the British court would not handle the matter. The situation was further complicated by the death of his wife in August, 1921.

In order to settle the matter of ownership, Alexander Jennings appealed to the Naval government of Pago Pago, and later through them to the U.S. Secretary of State and the President of the United States. On March 4, 1925, by Joint Resolution of the U.S. Congress, American sovereignty was officially extended the island, and it was placed under jurisdiction of the government of

American Alexander Jennings, the then managing owner, was a robust, kindly man of middle age, quite well educated and capable. He was half Caucasian and half Samoan. He married Margaret Pedro, a quiet, attractive, intelligent woman, part Spanish and Portuguese and part Tokelau, born on Fakaofu. Through the relationship with American Samoa, Mr. Jennings had been able to market his copra in Pago Pago, where a fair price was paid for it. His chief worry was over transportation, for there was no safe anchorage at Swains Island for a vessel.

The native population of the island was limited to about 100, although many more would have liked to come

here from the Tokelau group. It consisted of plantation workmen and their families. They lived in a neat little village at the west end, called Taulanga, where copra was dried and shipped, a meeting house, and a church, the pastor also being the school teacher. The men worked five days a week, went fishing or tended their own gardens, or played cricket on Saturday; and there were two church services on Sunday. There were about 500 pigs and numerous chickens at large on the island, but these were killed only by permission of Mr. Jennings.

A belt road circles the island, about half way between sea and lagoon. Along this ran an ancient Ford truck, collecting coconuts and carrying workmen and supplies. The Jennings family lived in a frame house about 3/4 mile down the road from the village, on the south side. The spot was called "Etena" (Eden), but it was more generally referred to as "The Residency." A power-driven generator supplied electricity for lights and radio. Swimming in the lagoon was available from a short pier. The edge of the lagoon is shallow, but parts of it reach a depth of 8 fathoms (48 feet).

Periodic visits are paid by the station ship from Pago Pago; and of recent years U.S. Coast Guard and naval vessels have stopped on their routine trips south. The lagoon may be too small for seaplanes; but the island is certainly one of the most beautiful and picturesque under the American flag. Were it not for the mosquitoes and small flies, it would be quite an island paradise.

*Above per Wikipedia On Line Encyclopedia*

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October Means DX

Now that our Summer is over and October is upon us, HF DX contesting has returned. The big one is at the end of October—CQ World-Wide SSB DX Contest but this is not the only one. We also have the JARTS WW RTTY Contest sponsored by the Japanese Amateur Radio Teleprinter Society, The Worked All Germany CW/SSB Contest sponsored by The Deutscher Amateur Radio Club and the RSGB 10/15 CW Contest and SSB Contest sponsored by the RSGB.

Others include the EU Autumn Sprint and ARRL EME and Oceania DX Contests.

Also, there a number of State QSO Parties including California, Pennsylvania and Illinois.

With the present low-level of Sunspot activity, propagation will probably be limited to the bands between 160 and 20 with some limited propagation on 15 Meters. Presently, our propagation prognosticators see another year of low Sunspot activity.

On the plus side however, is that once cycle 23 has bottomed out, Solar Flux will rise rather rapidly and reach values that have not been approached since 1957 assuming the experts have it right.

If you haven't already got your antennas in shape, now is the time to get those projects underway.



9Q5 Congo Active!

At least four Amateurs have been licensed In the Democratic Republic of Congo. They have been active on 40 and 20 Meters as well as the WARC bands.

Due to local QRM/QRN conditions no activity has taken place on 80 or 160 Meters but is planned once these issues have been resolved.

If they do get on the low bands, you can expect huge pileups because this DX Entity has rarely been activated on the low bands. Ditto for the WARC bands and even 30 Meters. Keep your ears glued to your receiver for this very rare bit of DX.

The DXCC Challenge

Up until very recently, retired Dentist and Dxr Extrodinaire Bob Eshleman, **W4DR** was the perennial leader of the DXCC Challenge. However, Italian Dxr Fausto Minardi, **I4EAT** has passed him up with a total of over 3100 Entities. You can be sure of one thing, Bob will be going to work to change this course of events.

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## YX0A/YX0LIX QSLs

Steve Wheatley, **KU9C** is still waiting for the printer to deliver the QSLs for this operation. The labels have been printed and are ready to go otherwise.

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Paid up *SEMDXA* members in alphabetical order:

| <u>CALL SIGN</u> | <u>E-MAIL</u>          | <u>CALL SIGN</u> | <u>E-MAIL</u>            |
|------------------|------------------------|------------------|--------------------------|
| AC8W             | AC8W@COMCAST.NET       | N4JQQ            | CROWNHAVEN@BELLSOUTH.NET |
| AD4UU            | AD4VU@COMCAST.NET      | N8CQA            | N8CQA@ARRL.NET           |
| K8BB             | K8BB@COMCAST.NET       | N8HZM            | MLS1@COMCAST.NET         |
| K8CC             | K8CC@COMCAST.NET       | N8JV             | N8JV@COMCAST.NET         |
| *K8CW            | K8CW@ARRL.NET          | N8KF             | N8KF@ARRL.NET            |
| K8DD             | K8DD@K8DD.COM          | N8KIE            | N8KIE@AOL.COM            |
| K8ESQ            | K8ESQ@SBCGLOBAL.NET    | N8LJ             | N8LJ@USOL.COM            |
| K8FT             | JIM.KUHNS@IEEE.ORG     | N8MOJ            | N8MOJ1@AOL.COM           |
| K8GT             | K8GT@ARRL.NET          | N8MR             | N8MR@ARRL.NET            |
| K8IY             | DFWOOD@OAKLANDCC.EDU   | N8OZ             | N8OZ@ARRL.NET            |
| K8JM             | K8JM@USOL.COM          | N8QGC            | N8QGC@ARRL.NET           |
| K8KHZ            | K8KHZ@K8KHZ.COM        | N8SHZ            | N8SHZ@COMCAST.NET        |
| K8MSU            | K8MSU@JUNO.COM         | N8SNM            | BNOWAK@SPEAKEASY.NET     |
| *K8NA            | K8NA@WIDOPENWEST.COM   | N8ZX             | N8ZX@TDS.NET             |
| K8NWD            | K8NWD@COMCAST.NET      | NE8I             | NE8I@ARRL.NET            |
| K8SIA            | K8SIA@ARRL.NET         | NE8Z             | NE8Z@YAHOO.COM           |
| K8SIX            | K8SIX@COMCAST.NET      | W1SKU            | W1SKU@ARRL.NET           |
| K8UP             | JOHN@FLEMING-PHOTO.COM | W4CEO            | SCAT42@EARTHLINK.NET     |
| K8UT             | K8UT@ARRL.NET          | W8AP             | BEAGOLDSTONE@MAC.COM     |
| K8VFB            | K8VFB@ARRL.NET         | W8GF             | W8GF@AOL.COM             |
| K8ZE             | K8ZE@CHARTER.NET       | W8LU             | W8LU@W8LU.NET            |
| K8ZZU            | K8ZZU@SBCGLOBAL.NET    | W8PP             | W8PP@COMCAST.NET         |
| KC8JAY           | KC8JAY@ARRL.NET        | W8SJ             | W8SJ@AOL.COM             |
| KC8OBH           | KC8OBH@AOL.COM         | W8SYR            | JDBUHL@AOL.COM           |
| KC8PKY           | KC8PKY2004@YAHOO.COM   | W8UA             | W8UA@MYVINE.COM          |
| KK8I             | DL2HBX@DARC.DE         | WA8BIJ           | WA8BIJ@ARRL.NET          |
| KP4E             | KP4E@AMSAT.ORG         | WD8S             | WD8S@ARRL.NET            |
| KQ8D             | ROGER49201@YAHOO.COM   | WQ8T             | WQ8T@ARRL.NET            |
| KT8X             | KT8X@PRODIGY.NET       | WZ8K             | WZ8K.SEMDXA@MIQRP.NET    |
| K8YTO            | K8YTO@ARRL.NET         |                  |                          |
| LZ4GU            | LZ4GU@YAHOO.COM        |                  |                          |

\*Indicates perpetual membership. 60 Total Call signs

Note: If your call sign does not appear on the above list, you will not receive further issues of the *Long Path* until your dues are brought up to date. Check with Brad, N8SNM *SEMDXA* Treasurer. If you have paid your 2005/2006 dues and your call is not indicated, check with Brad to resolve any issues.

Our perpetual roster contains a total of 236 call signs. Of these 14 are Silent Keys (SK).

*SEMDXA* Membership Silent Keys include the following: **KB8IO, KC8OB, KM8Y, N8EOA, N8FGH, NG8S, W8BXM, W8KPL, W8KZM, W8LZV, W8QFR, W8URM, WB8OHO and WD8CRY**

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# 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: \$20.00 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***

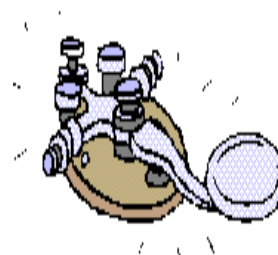
***Make payment at next SEMDXA meeting or mail with remittance to:***

***Brad Nowak, Treasurer***

***4665 Melanie Lane***

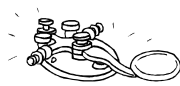
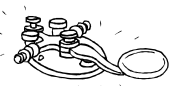
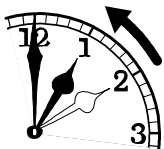

***White Lake, Michigan 48383***

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



# October 2006

## SEMDXA Monthly Planner

| Sunday                                                                                                                                              | Monday                                                                                                                                              | Tuesday                                                                                                                | Wednesday                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Thursday         | Friday                                                                                                                | Saturday                                                                                                                  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
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| <p><b>1</b><br/>RSGB SSB 10/15 Test</p>                                                                                                             | <p><b>2</b><br/><br/><b>WIAW Qualifying Run</b><br/>Yom Kippur</p> | <p><b>3</b><br/>EU SSB Sprint<br/>YLRL QSO CW Party</p>                                                                | <p><b>4</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>5</b></p>  | <p><b>6</b><br/><br/>Full Moon</p> | <p><b>7</b><br/><b>California QSO Party</b><br/>Oceania SSB DX Test<br/>PSK Rumble</p>                                    |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <p><b>8</b></p>                                                                                                                                     | <p><b>9</b><br/>Columbus Day Observed</p>                                                                                                           | <p><b>10</b><br/>10-10 Day Sprint<br/>YLRL SSB QSO Party</p>                                                           | <p><b>11</b><br/><br/><b>K6YR Qualifying Run</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>12</b></p> | <p><b>13</b><br/>Columbus Day Traditional<br/><b>SEMDXA Meeting</b></p>                                               | <p><b>14</b><br/><b>AAF Birthday</b><br/>EU Autumn CW Sprint<br/>Oceania CW DX Test<br/><b>Pennsylvania QSO Party</b></p> |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <p><b>15</b><br/>ARRL EME Test<br/>NA RTTY Sprint</p>                                                                                               | <p><b>16</b><br/>NA RTTY Sprint<br/>RSGB 10/15 CW Test</p>                                                                                          | <p><b>17</b></p>                                                                                                       | <p><b>18</b><br/><br/><b>WIAW Qualifying Run</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p><b>19</b></p> | <p><b>20</b></p>                                                                                                      | <p><b>21</b><br/>JARTS WW RTTY Test<br/><b>Worked All Germany Test</b></p>                                                |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <p><b>22</b><br/><b>Illinois QSO Party</b><br/><br/>New Moon</p> | <p><b>23</b></p>                                                                                                                                    | <p><b>24</b></p>                                                                                                       | <p><b>25</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p><b>26</b></p> | <p><b>27</b></p>                                                                                                      | <p><b>28</b><br/>CQ WW SSB Test</p>                                                                                       |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| <p><b>29</b><br/><br/>Daylight Savings Time Ends</p>             | <p><b>30</b></p>                                                                                                                                    | <p><b>31</b><br/><br/>Halloween</p> | <table border="1" style="margin: auto;"> <thead> <tr> <th colspan="7">September</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td> </tr> <tr> <td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> <tr> <td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td> </tr> <tr> <td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td> </tr> </tbody> </table> |                  | September                                                                                                             |                                                                                                                           |  |  |  |  |  | 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 | <table border="1" style="margin: auto;"> <thead> <tr> <th colspan="7">November</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td> </tr> <tr> <td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td> </tr> <tr> <td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td> </tr> <tr> <td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td> </tr> <tr> <td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td> </tr> </tbody> </table> | November |  |  |  |  |  |  | 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 |  |  |
| September                                                                                                                                           |                                                                                                                                                     |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                       |                                                                                                                           |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 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                                                                                                                        |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| November                                                                                                                                            |                                                                                                                                                     |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                       |                                                                                                                           |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 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               |                                                                                                                       |                                                                                                                           |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |  |  |  |  |  |  |   |   |   |   |   |   |   |  |  |  |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |