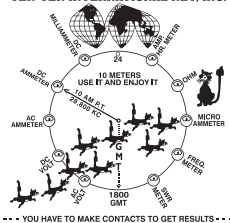


TEN-TEN INTERNATIONAL NET, INC.



# TEN-TEN INTERNATIONAL **NEWS**

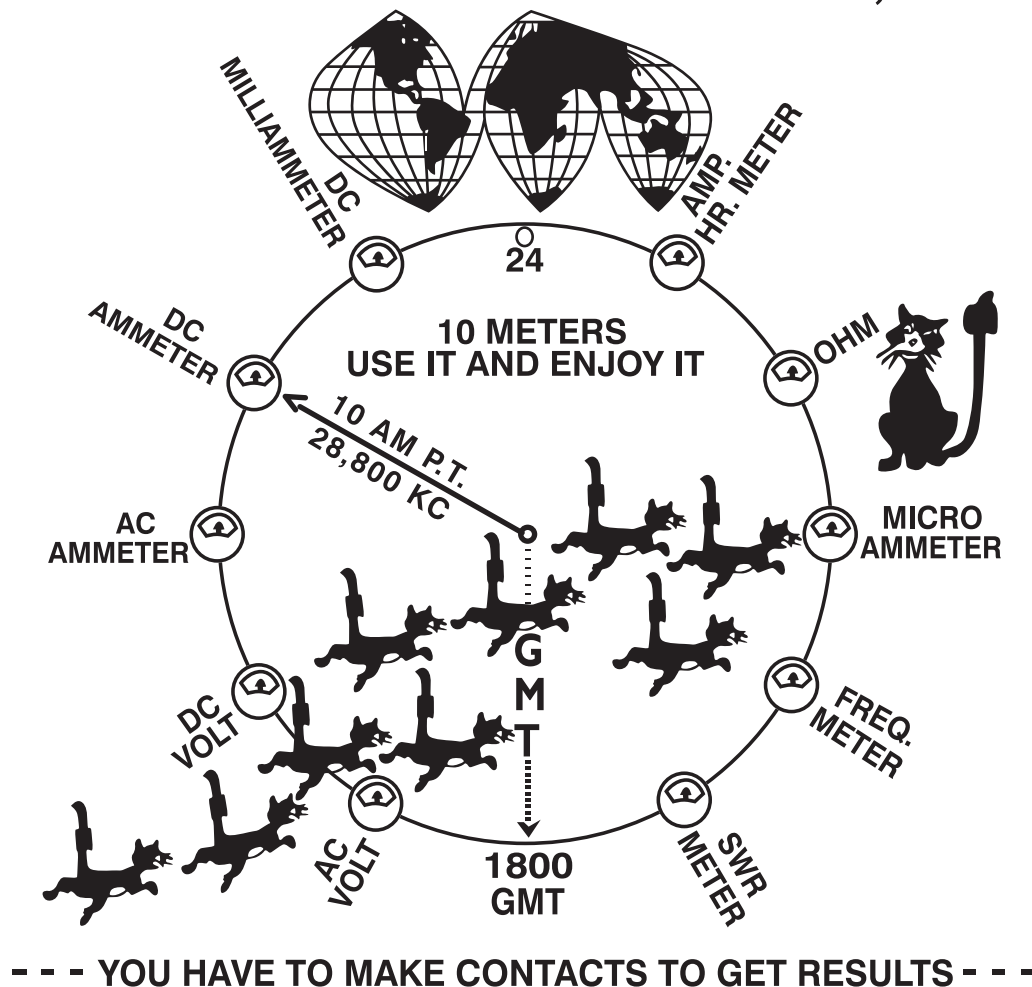


Member  
AMATEUR RADIO  
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Volume 55 Issue 2

April 2017 (Spring)

## TEN-TEN INTERNATIONAL NET, INC.



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Monitoring 28.380 and 28.800 MHz daily at 1800Z except Sunday

## The Ten-Ten International News

Is published four times annually by the TEN-TEN INTERNATIONAL NET, INC. Publication dates are approximately mid January, April, July and October.

Each paid-up member will receive a copy. This publication is the property of Ten-Ten International Net and the contributors therein. Permission to reprint is hereby granted, providing suitable credit is shown.

News items should be sent to the Editor. Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted must be typed, sent on computer disk or E-mail. Suitable formats will be provided upon request.

Photographs are encouraged. Black and White or Color are acceptable. Include complete information on the back of each photo. Attach a label or other suitable paper to the back of the photo and write all information on the label, not the photo. If sending digital images, high resolution of a minimum 300 dpi must be used. Please do not send newspaper or digitally printed photos as they cannot be used.

**DEADLINE FOR NEXT ISSUE: 1 June 2017**

**PLEASE MAIL ALL ARTICLES AND PHOTOS TO:**

**EDITOR Ten-Ten News**

**E-mail: [editor@ten-ten.org](mailto:editor@ten-ten.org)**

**10-10 CHAPTER ACTIVITY REPORTS:** Should be sent to the Chapter Coordinator

**ADDRESS CHANGES:** All members should send address changes to the Data Manager

**NOTE:** 10-10 IS NOT RESPONSIBLE FOR POSTAL SERVICE DIFFICULTIES

## CONTENTS

<a href="#"><u>Net Officials.....</u></a>	<a href="#"><u>3</u></a>
<a href="#"><u>From the Editor.....</u></a>	<a href="#"><u>3</u></a>
<a href="#"><u>From the President.....</u></a>	<a href="#"><u>4</u></a>
<a href="#"><u>Ten-Ten Top Operator/Net Control.....</u></a>	<a href="#"><u>5</u></a>
<a href="#"><u>New Life Members.....</u></a>	<a href="#"><u>5</u></a>
<a href="#"><u>10-10 Net Control Stations.....</u></a>	<a href="#"><u>5</u></a>
<a href="#"><u>Chapter Coordinator.....</u></a>	<a href="#"><u>6-7</u></a>
<a href="#"><u>10-10 International Net Board of Directors Meeting minutes.....</u></a>	<a href="#"><u>7</u></a>
<a href="#"><u>Ten-Ten Net Guide.....</u></a>	<a href="#"><u>8</u></a>
<a href="#"><u>DX News.....</u></a>	<a href="#"><u>9-11</u></a>
<a href="#"><u>QSL Bureau News.....</u></a>	<a href="#"><u>11</u></a>
<a href="#"><u>Net Reports.....</u></a>	<a href="#"><u>12-13</u></a>
<a href="#"><u>Winter Phone Contest.....</u></a>	<a href="#"><u>14</u></a>
<a href="#"><u>QSO Party Results.....</u></a>	<a href="#"><u>15-17</u></a>
<a href="#"><u>SSB QSO Party Analysis.....</u></a>	<a href="#"><u>18-20</u></a>
<a href="#"><u>A Memorable HAM Experience.....</u></a>	<a href="#"><u>20</u></a>
<a href="#"><u>Silent Keys.....</u></a>	<a href="#"><u>20-21</u></a>
<a href="#"><u>10-10 Scholarship Foundation Supporters.....</u></a>	<a href="#"><u>22</u></a>
<a href="#"><u>Ten-Ten Awards.....</u></a>	<a href="#"><u>23</u></a>
<a href="#"><u>W6OI Club Station Report.....</u></a>	<a href="#"><u>24-25</u></a>
<a href="#"><u>Meet the Volunteers.....</u></a>	<a href="#"><u>25</u></a>
<a href="#"><u>CW Corner.....</u></a>	<a href="#"><u>27-28</u></a>
<a href="#"><u>COAX:The Short Story - Part II.....</u></a>	<a href="#"><u>28-29</u></a>
<a href="#"><u>Memories of an Old Antenna Project.....</u></a>	<a href="#"><u>29-30</u></a>
<a href="#"><u>VOX Operated Relay.....</u></a>	<a href="#"><u>31</u></a>
<a href="#"><u>Member Information and Services.....</u></a>	<a href="#"><u>32</u></a>
<a href="#"><u>QSO Party Rules.....</u></a>	<a href="#"><u>33</u></a>
<a href="#"><u>QSO Party Cover Sheet.....</u></a>	<a href="#"><u>35</u></a>

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## From the Editor

Randy Mather, AJ7B  
 (#7675)

I am very saddened to report that the 10-10 Net family has lost one of its members in March. Marilyn Webb, WM2W #76400 is now a silent key. She is our President's XYL and net control for the 28.380 MHz Net on Wednesday. Please keep Terry and his family in your prayers and thoughts.

This issue of the newsletter is full of articles and information supplied by 10-10 Net members. Check out the VOX relay story supplied by Charlie Rankin, WA2HMM. Then there is the Winter QSO Party article from Jon KD4AMP who shares some experiences of the Suwannee Amateur Radio Club members working the Winter QSO party.

A new column was started by Jim Stoeber on CW. Jim is hoping to create a series of articles. In this issue he introduces his series with a short biographical on himself and observations he has about 10 meters.

Our regular columnist, Mike Davidson N5MT, wrote an article on SSB QSO Party analysis. You can get a feel for how this QSO party evolved and some history on past participants.

Next, Don AE3Z supplied me with a very interesting experience he had with an antenna project he worked on years ago. It was interesting to learn that the reprint of L.B. Cebik's article on the ZL Special in this newsletter prompted Don to write down his experience and send it in for inclusion in the newsletter.

These are just some of the articles and ideas that can be made into interesting articles for this newsletter. I encourage everyone to think about something they have done or experienced and send it in. As I have indicated before, I am willing to help get your article ready for publishing. I am sure the readers of this periodical would find your story interesting. And of course, do-it-yourself articles are particularly welcome.

73 - Randy AJ7B #7675



## From the President

Terry Webb N0TW  
#36547

This is the end of January and finds me preparing for the Orlando HamCation. For those of you who may never have attended Orlando, it is held at the Central Florida Fairgrounds and Expo Park and consists of several metal buildings and a very large outside flea market area. There is plenty of parking available for over 100 RVs and the weather is usually nice this time of the year. 10-10 has a booth at this event and this year we plan to try something a bit different. We plan to have two 10-meter radios set up in the booth to allow potential new members to come in and make a few 10-10 QSOs towards filling out their application for membership.

There are probably members who feel this is cheating but in reality it meets the goal of making QSOs on-the-air through RF links. It gets them started towards making the 10 QSOs needed for their application. Ten-Ten needs new members and this will hopefully help us to attract a few more.

In the last newsletter there was an article regarding the sale of 10-10 pins from past years. The sale of pins has been good and the revenue all goes towards our scholarship fund. Speaking of the scholarship fund, donations are running a bit on the slim side this year. I would encourage you to make a contribution, no matter how small because it really goes toward a great goal. As a reminder, we offer FIVE \$2,000 scholarships each year. Send donations to WA2SUH.

There are now 2017 pins available for purchase, so I hope we continue to have interest from members to purchase pins. Anyone wishing a 2017 pin can send me \$3 and I will send one to you. If you attend one of the major hamfests, we will have pins for sale there.

The Dayton Ham Fest has moved to a new location and will be held at the Xenia, Ohio fairgrounds. We are currently having difficulty trying to reserve a booth for 10-10 at this event. Besides Dayton, we are planning to have 10-10 booths at: Yuma, Tucson (2 dates), Charlotte, Houston, Las Vegas, HamCom (Dallas), SeaPac, Friedrichshafen, Germany, and Shreveport ham-fests. 10-10 Directors and members are working hard to recruit new members and to make contact with existing members as well as potential new members at these events. I especially like meeting members face-to-face at these events. It is always a treat to have an eyeball with members that I have talked to on-the-air. They never look like what I have imagined in my mind.

Just returned from Orlando and it was a very pleasant ham fest, wonderful weather and lots of sunshine. We got 118 signatures in the logbook. #2663 was our oldest member and #77535 the newest. We got lots of renewals which is a good sign of a healthy economy. There were 5 individuals who qualified for membership by working 10 members at the ham fest. I got the pleasure of having an eyeball with a ham that I had not seen for the past 25 years. I also got to meet lots of folks that I had talked to for years on the 75-meter band. Orlando also gave us an opportunity to meet our newest 10-10 director, WA3GM (Greg). Greg will also join us by helping in the booth in Dayton. Additional Orlando booth volunteers included: Linda (KA6SPS), Roger (AD4RX), and Paul (WN4AMO).

The experiment of having two ham rigs in the booth turned out to generate lots of excitement. We had hams who wanted a number so they could check into local nets when they got back home. We had hams show up with half of the numbers they needed previously worked, so they were able to finish out their requirement.

We also got the opportunity to talk with the QCWA folks about an upcoming Caribbean cruise. Look elsewhere in this issue for an article containing details about the trip. It is open to all radio amateurs and I got the pleasure of going on a previous trip with QCWA and can tell you that it was lots of fun. Wish I could go on this trip as well.

The Dayton ham fest is coming up in May and there were representatives from Dayton present in Orlando. Talking to them we found out that booth assignments will be available on the internet no later than February 18. There is lots of planning going on due to this ham fest moving to a new location since Hara arena is no longer available. Everyone is holding their breath hoping this ham fest is successful.

Wish I had a dollar for every ham who asked when are we going to fix the 10-meter band? The Winter 2017 QSO Party had slim pickings. I managed to work 21 stations on Saturday. I heard that N5XZ made 280 Q's. There were several South American stations on 10 meters but not many with 10-10 numbers. Those of us lucky enough to live in the South can hear South America. Folks up north are not so lucky and do not have good propagation. It is amazing that when a big 10-meter contest occurs, the band is full of signals?

I like to think of Ten-Ten as a dynamic group of hams. If you have a question or suggestion, please send it to someone on the Board of Directors. We are here to serve our membership and do our best to keep abreast of new developments and issues. Our email addresses and phone numbers are published in each Ten-Ten newsletter. I would also like to encourage you to write articles for inclusion in the newsletter. It is very easy to forward them to [editor@ten-ten.org](mailto:editor@ten-ten.org) and Randy will review and publish them.

73 -- N0TW



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## Ten-Ten Top Operator Award

This award is based upon the number of times a member's call appears on new applications. Quarterly winners are awarded a certificate. The overall winner for the year will be awarded a plaque. There are two categories; one for Net Control station and one for the current members at large.

The Top Operator and Net Control for Q4 are:

Operator - **N5XZ Allen Brier #4530**

Net Control - **N0TW Terry Webb #36547**

## NEW LIFE MEMBERS

04950	N4FBY	Ted J Mach	FL
14988	W6OLA	Ed McLaughlin	WA
31573	ADØK	Donald S Inbody	TX
56905	AB4YP	James T Hurysz	VA
69896	W7FED	Neil C Addis	WA
70449	WA3HSR	Michael D Hall	PA
75678	KF7HJL	Carolyn K Prather	OR
76993	W7HBP	Rick Jones	WA
77542	W8REH	Roy Hook	OH

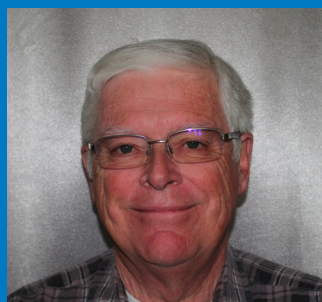
## 10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Alan, WB9WZI	#76209	IL
Mon (28.800)	Doc, WB6OJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Tues (28.800)	Open. Contact N6OPR for info		
Wed (28.380)	Open. Contact N6OPR for info		
Wed (28.800)	Louise, N6ELK	#36654	CA
Thu (28.380)	Bob, N6OPR	#45715	AZ
Thu (28.800)	Robert, KQ4PK	#63201	NC
Fri (28.380)	Terry N0TW	#36547	FL
Fri (28.800)	Bob, K6DNR	#75386	CA
Sat (28.380)	Dan KC8IM	#31959	MI
Sat (28.800)	Open. Contact N6OPR for info		

Sunday **NEVER ON SUNDAY**





## Chapter Coordinator

Jim Fox, KA0ZPP  
(#43428)

### GENERAL NEWS

1) As the name suggests, **Quarterly Reports** are due from each Chapter each quarter. However, during times of poor propagation (like now) I recognize that there is not much change from quarter-to-quarter. Accordingly, Chapters are not penalized if they skip a quarter or two. However, if a chapter wishes to remain affiliated with Ten-Ten International Net, the CH or CM must file a report at least annually. If you plan a special event, change net schedule or have news you want mentioned here, you can include such information on your Quarterly Report and submit it any time

2) **All CH/CM:** Please double check the TEN-TEN Net Guide to be sure your net(s) are listed correctly. If there are changes, be sure to let me know so I can update the list.

3) If your chapter is planning a special during the months of July, August or September, please let me know so I can include the details in the July newsletter.

4) Reminder of Quarterly Reports Due: **Past Due** (no report received during fourth or first quarters when due): Channel Islands, City of Lights, Colorado Frontier Gang, Centennial, Ft. McHenry/Cornerstone/Yoder Kritch, Speedway. Reports received after February 21 (date of this report) are not included here and will be acknowledged in the Chapters section of the 10-10 website.

Chapter Reports Due during first quarter: Bauxite (Jun), Houston S.H.O.T. (Apr), Louisiana Pelican (Apr), New Mexico Mud Ducks (Jun), New Waterkant (Apr), Route-66 (May), Space Coast (Jun), Twin Cities (Jun). Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2016 in which the last report was received.

### CHAPTER NEWS

1) The Senior member of the **Gateway Chapter**, Robert M. "Bob" Kuthe, WB0GGO #3735, became a Silent Key on Saturday, January 28, just 3 weeks after his 99th Birthday. Bob's radio career began as a radioman on a B-24 bomber in WWII, but more recently he consistently checked in on the Gateway Net every week. On the February 1st meeting of the Gateway Net,

the club dedicated the Net to Bob and made a final call for WB0GGO.

2) **Castle Craig** has a new meeting QTH, including a permanent station with a H5RV antenna. They plan to resurrect their tower with a T6 beam sometime this spring.

3) **Santa Fe Trail** runs specials almost every month. Watch for posts on the TenMeters email list from CM Larry, KA9PCU, for details.

4) **City of Lights** reports that in early January they held their 2043rd consecutive weekly net. The now run nets on both CW and SSB.

5) It is not really a chapter, yet, but check out **Scouts on Ten** the "Activities" drop-down menu on the Ten-Ten website. Any members who are or were a Boy Scout or Girl Scout are instant qualifiers – all you need to do is apply.

6) Chapters that accept email upgrades as of February 21. All the listed chapters generally need previous, new and total points and seals claimed. Any transaction with the CM that requires that a certificate be issued, and most worksheet specials, should still be handled via US Mail. Also, it is good practice to keep a detailed listing of the upgrade in the event that the CM should require verification. Requirements peculiar to a particular chapter are noted.

(\*\* indicates change)

**Alii** – CM WH6S, [wh6s@outlook.com](mailto:wh6s@outlook.com). Use form available from the CM.

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If any chapter not listed accepts email upgrades or if the email listed has changed, please let me know so I can update the list. Thanks.

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## 10-10 International Net, Inc 2017 Board of Directors Meeting January 29, 2017

### CALL TO ORDER

President Terry Webb, N0TW # 36547 called the 2017 10-10 International Net, Inc. Board of Directors meeting to order at 22:00 hrs. Z on January 29, 2017 via ZOOM on-line meeting software.

### ROLL CALL

Roll was called by President Terry Webb, N0TW # 36547. Present were President Webb, Treasurer Keith Schlottman, KR7RK # 63324, Past President Mel Sojka, KD5DE # 33513, Director Paul Hemby, WN4AMO # 73825, Director Marcus Leiberman, KM5EH # 71103, Director Gregory Malone, WA3GM # 46927, and Data Manager Dave Smith, K6RDK # 65812. Also noted was Visitor Dan Morris KZ3T, # 41015.

### ESTABLISH QUORUM

A sufficient number of Officers and Directors were present and a quorum was established.

### OLD BUSINESS

HAM COM on June 9 & 10, 2017 had been voted on during the June 5, 2016

BOD meeting to be the Official 10-10 Gathering/Meeting site for 2017. Item was tabled.

### NEW BUSINESS

Item # 1 on agenda was to be addressed by Gerry Gross, WA6POZ # 21274 and was dropped from discussion since Gerry was not present.

Item # 2 – Ham Fest Representation: The following ham-fests will have 10-10 Representatives: Hamcation, Orlando, FL; Yuma & Tucson, AZ (both in Feb. & Nov.); Houston, TX; Las Vegas, NV; Dayton, OH; HAM COM, TX; SEA PAC, WA; Friedrichshafen, Germany, and Shreveport, LA.

Item # 3 – Members who represent 10-10 at hamfests will be reimbursed for their expenses. President Webb to modify Operations Manual to reflect this change. Mileage and Cost to Park RV to be refunded to those members who choose to drive to hamfests instead of flying.

Item # 4 – Scouts on 10 Award: President Webb to direct this item to Director James Fox, KA0ZPP # 43428, to work with the Scout on 10 Award Manager Jason Phillips, KC1BTA # 77110 to get this chapter active. Additionally, they want to have a contest during the Jamboree on the Air event in October.

Item # 5 – Membership Form Modification: President Webb to forward recommended change to Data Manager Smith in order to get on-line form modified to reflect the elimination of the use of IRC's for membership payment.

Item # 6 – See Old Business.

Item # 7 – Clean-up of 10-10 Website: President Webb recommended members review the 10-10 Website and report any needed changes to Director Roger Olson, AD4RX # 67754 so he can work with IT Manager Jeff Steinkamp, N7YG # 65084 to get the changes implemented.

Item # 8 – Roster Update: President Webb published a roster listing for all 10-10 Officials and requested information be sent to him in order to update the list.

Item # 9 – Management of Facebook/Twitter Accounts: These accounts are Un-Official 10-10 sites. IT Manager Steinkamp was to address this issue but was unable to attend the meeting. Item dropped from discussion.

Item # 10 – Change Length of Time to Submit QSO Party Logs: QSO Party Manager Dan Morris, KZ3T # 41015 led discussion regarding changing the time to submit logs. It was Voted that either 7 or 10 days should give everyone enough time to submit their logs – with QSO Party Manager Morris able to make the determination. QSO Party Manager Morris to notify Editor Randy Mather, AJ7B # 7675 with this change to be implemented for the Summer 2017 QSO Party.

President Webb asked that New BOD Agenda Items be forwarded to him to be included in the next meeting scheduled for March 26, 2017.

Meeting Closed.

Respectfully Submitted, Kevin Gilot, NZ1I # 72759 Secretary

## TEN-TEN NET GUIDE

As of February 21, 2017

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SUN	0001	0100	Chesapeake Bay	Chestertown, MD	28345**	WED	1700	1800	Channel Islands	Oxnard, CA	28340
SUN	0300	0400	Chief Seattle	Seattle, WA	28430	WED	1930	1930	Route-66	Boonville, IN	28370
SUN	1300	1400	Arlington	Arlington, VA	29200	THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350
SUN	1400	1500	Neanderthal Chapter	Leichlingen, DL	28355	THU	0100	0200	Gateway	St. Louis, MO	28650
SUN	1630	1730	Possum Trot	Raeford, NC	28345	THU	0100	0100	Cow Town	Arlington, TX	28460**
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380**	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
SUN	1800	1900	Portland 500	Portland, OR	28350	THU	0100	0200	Channel Islands	Oxnard, CA	28340
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	THU	0230	0330	Windfarms	Livermore, CA	28485
SUN	1930	1930	North Georgia	Atlanta, GA	28610	THU	0230	0330	Up The Crick	Eugene, OR	28450
SUN	2030	2030	Santa Fe Trail	Galesburg, IL	28345	THU	0300	0400	Chief Seattle	Seattle, WA	28430
SUN	2100	2200	Possum Trot	Raeford, NC	28150 CW	THU	1930	1930	Speedway	Rainier, OR	28350
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	FRI	0001	0100	Fort McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
MON	0100	0100	Lonestar	Arlington, TX	28460	FRI	1400	1400	New Waterkant	Boerm, DL	28355
MON	0130	0230	Bauxite	Benton, AR	28470	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530
MON	1630	1730	Cheif Seattle	Seattle, WA	28430**	SAT	0300	0400	Chief Seattle	Seattle, WA	28430
MON	2330	2330	Sky BI Wtr/ Tn Lzz/Twn Ct	Inver Grove Heights, MN	28380	SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430
TUE	0001	0100	Ft McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370	SAT	1400	1400	Hanse	Hamburg, DL	28355
TUE	0100	0200	CO Centennial/ CO Frontier Gang	Lakewood, CO	28340	SAT	1510	1610	Louisiana Pelican 10-10 Net	Livingston, LA	28450
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	SAT	1600	1700	City of Roses/ Portland Bridges	Ridgefield, WA	28835
TUE	0130	0230	City of Lights	St Charles, IL	28720	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0130	0230	Bauxite	Benton, AR	28470	SAT	2000	2000	Restoration Project/ Feline Friends	Port Alberni, BC	28750
TUE	0300	0400	Bay Area	Hayward, CA	28475	SAT	2200	2200	Alii	Lihue, HI	28730
TUE	0430	0430	Aloha	Hilo, HI	28490						
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835						
T/W	2330	0030	Minuteman/ Old Ironsides	Saugus, MA	28409						
WED	0001	0100	Castle Craig	Meriden, CT	28375						
WED	0001	0100	Cincinnati Area Ten Tuners	Milan, IN	28800						
WED	0100	0200	Houston SHOT	Houston, TX	28488						
WED	0200	0300	10 Bar X	El Paso, TX	28445						
WED	1400	1500	EU DX/Branding Iron	Bergamen, DL	28355						
WED	1700	1700	Gold City	Rutherfordton, NC	28425						

\*\* Indicates a change since the last published list.

All changes to the above times and/or frequencies should be referred to the Chapter Coordinator if you desire your net information to be accurate. Chapter Coordinator: KA0ZPP, Jim Fox, PO Box 135, Mayhill, NM 8839-0135. E-mail: [ka0zpp10ten@gmail.com](mailto:ka0zpp10ten@gmail.com).





## DX News

Mike Davidson, N5MT  
(#24949)

The first sun spot of the new cycle has just occurred on the Sun about a month ago, so expect better propagation in about 18 months.

The winter DX season started off slowly during December and the first few months of 2017. During the ARRL Ten Meter Contest in December, we heard very few European stations on Ten here in Texas. I expected the solar flux to be 76 for the Ten Meter Contest and it was very close. Stations on the west coast and in the central US, were not able to make a QSO across the Atlantic. Likewise from Africa, there were fewer signals on Ten. I expected a 20 percent drop in contacts during the contest than what I worked last year and my log was about that many fewer QSOs than in 2015. I did manage to work four new 10-10 members in my log. Be sure to submit all logs to the LoTW system and to load LoTW at least each quarter!

I used the DXSummit spotting network to watch which countries were active during the Ten Meter Contest. Open your Internet browser and go to: [www.DXSummit.FI](http://www.DXSummit.FI). When not in a contest, I set a filter to watch 10 and 12 meters and save the filter. This will cut out all the other bands so you only see these two bands on the DXSummit display. You can filter IOTA, SSB, CW or digital modes. And the DXSummit archive database can be browsed for a particular Prefix or call sign. Do that when you are looking for a country prefix for something special that you need for DXCC or a 10-10 Country.

Since there were fewer members going to DX places in 2016, the count of new 10-10 countries increased by one in 2016. Looking at the planned events for 2017, fewer listings could mean a below average DX season coming. I expect poor conditions on Ten for the next twelve months as Cycle 24 comes to an end in early 2018 and the new Cycle 25 gets started.

Realtime Band Conditions Website. This experimental Web site will provide 24/7 band condition info to DX'ers and contesters. It will show you how good/bad conditions are for your listening. This web site does not base its output on a software prediction but on an ionospheric sounding method called HF Ionospheric Interferometry which is like PolSAR used by NASA.

Site: [www.CleanAirwithUltraviolet.com/Bandconditions/](http://www.CleanAirwithUltraviolet.com/Bandconditions/).

Sometimes they do not display Ten due to conditions.

**Please be aware that a new 10-10 country is about to be available from Nepal!** An all time new one may occur if you can work Pat **EI9HX** #72414, Declan **EI9HQ** #71019 or Thos **EI2JD** #73610 and if they operate on Ten meters as 9N7EI. Read farther down in this article for more info.

Paul Ewing **N6PSE** #68859, has a website with articles about DXpedition information. Web site: <https://N6PSE.wordpress.com/2017/02/08/DXpedition-ethics-part-ii/>. Look on the left side of this page for more articles to read and enjoy.

ClubLog's DXCC Most Wanted List. Web site is at:

<https://secure.clublog.org/mostwanted.php>. North Korea P5 remains the most wanted country/entity.

**Countries Award:** There were no Basic Countries Awards or upgrades issued this quarter. If you apply for any 10-10 award, please check the website for a complete list of the rules and the proper forms to use!

I am posting this to the 10-10 website on March 1st.

### GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

**3C0/3C Annobon and Eq. Guinea.** Tom **KC0W** #67688, was planning a DXpedition in January to Africa but he must have cancelled his DXpedition to 3C0.

**3D2 Rotuma Island.** Antoine **3D2AG** #72719, was on several bands during February and March.

**5U Niger.** A DXpedition to Niger will start on March 9th and end on the 21st. Ten ops will use call 5U5R. You must find Don **K3OP** #10138, as he is the only 10-10 member.

**8P Barbados.** Chuck **KG9N** #17038, is still in Barbados using call sign 8P9AL until March 5th.

**9M0 Spratly Islands.** A group of ops using call sign 9M0W will be active in early December 2017 from the Spratly Islands. Look for Mike **K6MKF** #75891 and Doug **N6TQS** #72301 to be the only members of the group.

**AH2 Guam.** Toshi **J13ERV** #39995 was active as AH2R during the CW DX contest February 18-19th.

**C6 Bahamas.** Bob **N4BP** #3268 and friends, were on Abaco Island from February 7-21st. They operated RTTY and CW on all bands using call C6ARU.

**CE9 Antarctica.** Felix **DL5XL** #55519, again operated CW and digi as DP1POL from the German Antarctic base, from November to February 2017. LoTW. Web site is: <https://www.facebook.com/DL5XL?fref=ts>.

**HC Ecuador.** Bill **W0OR** #23875, used call HC1WBT during the CW DX contest February 18-19th.

**HK0 San Andres & Providencia.** Will **AA4NC** #15774 were on the island from February 13th to March 7th with a 5K0N call sign on SSB, CW and RTTY. This is a rare 10-10 country. As of this publication date, there have been no reports of Will operating on Ten meters.

Soon to arrive on the island will be Ron Oates **AA4VK** #12423 using only SSB with AA4VK/HK0 call. Ron may also use call 5K0N/HK5 from Cali, Columbia.

**HR Honduras.** Gerard **F2JD/HR5** #63443 arrived in Honduras in February and will be there until April 24th on CW, SSB and RTTY. QSL to F6AJA.

**J6 St. Lucia.** Bill **K9HZ** #2618, will be in J6 from December 17th to January 2, 2017. CW, SSB and RTTY. Bill has a K3 radio into a beam. LoTW.

**KP2 US Virgin Islands.** Fred **K9VV** #8707, was on during the DX CW contest in mid February.

**P4 Aruba.** John **W2GD** #14109, was on Santa Cruz Island using call P40W from February 12-20th on CW and SSB. LoTW. Dan **K1TO** #11008, was on Aruba from February 9-23rd with friends using P4/home-call.

**PJ4 Bonaire.** David **NA2AA** #40574, will be with friends on Bonaire for the DX SSB contest in March as PJ4G. They arrive Feb 25th and leave March 11th. David will be PJ4/NA2AA before/after the contest mostly digital.

**TI Costa Rica.** Matt **K0BBC** #76064, arrived in Guanacaste on February 28th and will stay until March 7th and operate as TI7/K0BBC during the DX SSB contest.

**VP5 Turk & Caicos Islands.** Pat **K0PC** #37931 and Vernon AC0W #71644, were in the DX CW contest as VP5K and operated VP5/home-call from February 15-22nd.

**XT Burkina Faso.** Elvira **IV3FSG** #54292, is still working on a project and in her spare time operates as XT2SE until March 13th on SSB and digi.

**ZP Paraguay.** Dale **N3BNA** #32100, was operating as ZP6/N3BNA from February 6-14th in Paraguay. LoTW.

#### UPCOMING DX & NEW 10-10 ACTIVITY:

**3D2 Rotuma Island.** Tony **3D2AG** #72719, has changed his schedule to late March for his trip to Rotuma. His home is in Suva, Fiji so he will use 3D2AG/P while on Rotuma.

**3Y0 Bouvet Island.** The following members have been issued a license for Bouvet Island. Dmitri **KP2P/RA9USU** #54234 and Mark **ON4WW** #49103. Another group of ops have plans in early 2018 to go to Bouvet.

Website: [www.bouvetdx.org](http://www.bouvetdx.org).

**5U Niger.** A DXpedition using call 5U5R will start on March 9-21st on all bands/modes. Look for Dave **K3LP** #13394 as the only 10-10 member in the group of ops.

**9N Nepal. ALL TIME NEW ONE!** The EI DX group will activate 9N7EI from Nepal from March 8-20th. A dozen ops will put on a 24/7 operation for a dozen days. Unfortunately for the USA this country is half way around the world for us and we will have little chance to talk on Ten! Signals will be weak from Nepal to the USA, so good luck finding Pat **EI9HX** #72414, Declan **EI9HQ** #71019 or Thos **EI2JD** #73610 on Ten.

The Web site is: <https://9N7EI.com/>.

**FP St.Pierre & Miquelon.** Eric **KV1J** #31247, will return for his eleventh trip to Miquelon from July 4-18th. Eric operates mostly SSB or RTTY and will do some satellite Q's this trip. He will upload to LoTW all logs. Website: [www.KV1J.com/FP/July17.html](http://www.KV1J.com/FP/July17.html).

**GB England.** Cis **ON6LY** #73607, will be operating in the IOTA contest July 29-30th with friends as GB9IOW. **GD Isle of Man.** Dr Markus Dornach **DL9RCF** #66045, will be with a group using a special call GT4BRS from April 15-22nd. CW, SSB, RTTY and JT65 on HF. Web site: [www.bars.btik.com](http://www.bars.btik.com).

**HR Honduras.** Gerard **F2JD** #63443, is visiting Honduras until April 24th. Look for him on CW, SSB and RTTY. His on-line log is: <http://lesnouvellesdx.fr/voirlogs.php>.

**KP2 US Virgin Islands.** Tony **N2TK/KP2M** #22425, will be on during the DX SSB contest on March 4-5th.

**P2 Papua New Guinea.** Haru **JA1XGI** #55571, will visit New Britain Island from April 6-12th using call P28VXG on CW, SSB and Digi JT65. Web site: <http://island.geocities.jp/P29vacation/>

**P40 Aruba.** Robert **W5AJ** #11640, will operate P40P again during the DX SSB contest March 4-5th. LoTW.

**PJ2 Curacao.** Jeff **K1ZN** #60508, will be with a group on Curacao using PJ2T during the DX contest in March.

**PJ7 St. Maarten.** John **PJ7/W9KXQ** #20018, will operate with friends from St. Maarten from June 14-28th. **T31 Central Kiribati.** A twelve day DXpedition is being planned for October 2017 to Kanton Island using call sign T31W. Members are: Arnie **N6HC** #29959, and Gene **K5GS** #15119. Website: [www.T31W.com](http://www.T31W.com).

**V3 Belize.** Bob Church **K7YB** #35676, is moving to San Ignacio Belize soon and will be using call V31YB. He will have antennas for all bands available.

**V4 St. Kitts and Nevis.** Thaire **W2APF** #50022, will be operating V47JR from March 19th to April 1st.

**V7 Marshall Islands.** Haru **JA1XGI** #55571, will be on Majuro Island, IOTA OC-029, sometime in May.

**VE Canada.** Special call-sign VX3100 operated by Garry **VE3XN** #10120 will be used until the end of 2017.

**VP5 Turks & Caicos Islands.** Jim **K3NK** #25287 and Joe W3HNK are going to Providenciales from April 11-18th. All bands CW SSB and digi. LoTW. On March 18- 21st Clint **W9AV** #75958 will operate with a friend on the islands using an IC-7300 to various antennas on SSB and CW all bands. Web site: [www.qrz.com/db/vp5/w9av](http://www.qrz.com/db/vp5/w9av).

**ZF Cayman Islands.** Royce **KE5TC** #32267, will be on Grand Cayman from March 21-26th using call ZF2TC. He will be using 100 watts into an R6 vertical for CW, SSB and PSK31.

**ZL New Zealand.** Roly **ZL1BQD** #19039 will be using call sign ZL40BQD all this year 2017. LoTW.

#### MISCELLANEOUS ITEMS & NOTES:

**Propagation forecast:** <http://www.solen.info/solar/>, [www.SolarHam.net](http://www.SolarHam.net) and <http://ARRL.org/Propagation>.

**More propagation:** <http://dx.qsl.net/propagation/>.

**DX Calendar:** <http://www.dxwatch.com/>.

**DX:** <http://www.youtube.com/watch?v=k4dJcK-WVRw>.

**Propagation:** I expect the solar flux to range from 69-90 during March and into the second quarter of 2017. The Spring Equinox is on March 21st, when HF propagation will shift to east/west propagation paths. The peak solar flux of this cycle was in February 2014 with a value of 170.3. Looking at the NOAA graph for the past 90 day average flux shows almost a flat line during February 2017 which should indicate the bottom of Solar Cycle 24 is now!

The **maximum solar flux for each month of 2016/2017** was: Jan 115, Feb 125, March 101, April 115, May 116, June 95, July 112 August 99 Sept 100, Oct 106, Nov 81, Dec 85, Jan 2017 a 87, and February 83.

The minimum flux for the same period: Jan 94, Feb 88, March 82, April 76, May 83, June 73, July 70, August 72, Sept 79, Oct 74, Nov 75, Dec 71, Jan 71, and Feb 72.

**On March 1st, the solar flux was 81, the A index was 8 and K index 5.** The sun has been quiet for several weeks. The solar flux high for February 2017 was 40 points lower than the February 2016 high of 123.

**My Prediction:** Over the next four months, the best conditions: March 19-24th ; April 18-22nd, May 17-20th and June 14-18th. For USA, expect a 5% chance

of DX to Europe or Asia with a 25% chance of DX to S. America and the S. Pacific, later in the day. Listen to the beacons from 28.175-28.300 so you know where the DX is coming from.

**New 10-10 DX members' Dec. 2016 to Feb. 2017:** Dec: 77524 DL0HM Club; Jan.: 77525 OE3KLU Charly; 77526 DL0BIC Club; Feb.: None.

Thanks to the QRZ-DX, The Daily DX by W3UR #25731 and the Ohio/Penn DX Bulletins. Info to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA Email: [N5MT@aol.com](mailto:N5MT@aol.com).

**DX IS!** 73 Mike Davidson N5MT #24949

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## QSL Bureau News

### SPRING QSL BUREAU UPDATE

Envelopes were received from N7WET, VA7GY and N0TW.

I would like to express my gratitude for the thoughtful \$10 donation from Dan Humphrey, N7QHC, #59244. It will go toward envelopes and postage.

Hope to process a few more unclaimed cards in the next couple weeks and continue going through the bins to see who has cards there needing mailed.

Jim Stoeber, wi9x #49635  
[wi9x1989@yahoo.com](mailto:wi9x1989@yahoo.com)

## 10 Meter Beacons

As 10 meter operators one should be aware propagation beacon frequencies are coordinated.

I would appreciate a message from anyone with thoughts of activating a beacon. [wj5o@amsat.org](mailto:wj5o@amsat.org)

73 Bill WJ5O

IARU Region 2 HF Beacon Coordinator

<http://www.qsl.net/wj5o/bcn.htm>



# Net Report

Bob Farrow, N6OPR  
(#45715)

## Net reports for 4th Quarter of 2016

### MONDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
3-Oct	2	0	3-Oct	12	0
10-Oct	2	0	10-Oct	12	0
17-Oct	2	0	17-Oct	15	0
24-Oct	2	0	24-Oct	9	0
31-Oct	2	0	31-Oct	11	0
7-Nov	2	0	7-Nov	8	0
14-Nov	5	1	14-Nov	10	0
21-Nov	2	0	21-Nov	13	1
28-Nov	2	0	28-Nov	9	0
5-Dec	2	0	5-Dec	6	0
12-Dec	2	0	12-Dec	11	0
19-Dec	2	0	19-Dec	14	0
26-Dec	5	1	26-Dec	8	0

### TUESDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
4-Oct	4	0	4-Oct	5	0
11-Oct	4	0	11-Oct	0	0
18-Oct	13	3	18-Oct	0	0
25-Oct	12	0	25-Oct	0	0
1-Nov	18	7	1-Nov	0	0
8-Nov	2	0	8-Nov	0	0
15-Nov	6	2	15-Nov	0	0
22-Nov	4	0	22-Nov	0	0
29-Nov	4	2	29-Nov	0	0
6-Dec	10	3	6-Dec	0	0
13-Nov	5	1	13-Nov	0	0
20-Nov	3	1	20-Nov	0	0
27-Nov	4	0	27-Nov	0	0

### WEDNESDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Oct	2	0	5-Oct	12	3
12-Oct	2	0	12-Oct	3	0
19-Oct	2	0	19-Oct	4	0
26-Oct	12	1	26-Oct	6	0
2-Nov	19	2	2-Nov	7	0
9-Nov	2	0	9-Nov	7	0
16-Nov	2	0	16-Nov	5	0
23-Nov	2	0	23-Nov	4	0
30-Nov	2	0	30-Nov	6	0
7-Dec	2	0	7-Dec	7	0
14-Dec	2	0	14-Dec	6	0
21-Dec	2	0	21-Dec	8	0
28-Dec	2	0	28-Dec	0	0

### THURSDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
6-Oct	3	1	6-Oct	6	1
13-Oct	10	5	13-Oct	4	0
20-Oct	7	2	20-Oct	5	0
27-Oct	31	11	27-Oct	5	2
3-Nov	40	16	3-Nov	7	1
10-Nov	36	16	10-Nov	4	1
17-Nov	2	0	17-Nov	5	0
24-Nov	21	9	24-Nov	4	0
1-Dec	4	1	1-Dec	6	2
8-Dec	25	10	8-Dec	4	0
15-Dec	2	0	15-Dec	4	0
22-Dec	13	3	22-Dec	3	0
29-Dec	3	1	29-Dec	5	0

### FRIDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
7-Oct	2	0	7-Oct	7	1
14-Oct	23	11	14-Oct	9	0
21-Oct	20	2	21-Oct	7	0
28-Oct	23	4	28-Oct	8	0
4-Nov	8	1	4-Nov	7	2
11-Nov	8	0	11-Nov	7	0
18-Nov	5	2	18-Nov	7	0
25-Nov	13	6	25-Nov	8	0
2-Dec	2	0	2-Dec	10	0
9-Dec	26	8	9-Dec	12	0
16-Dec	2	0	16-Dec	10	0



## FRIDAY NETS (Cont.)

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
23-Dec	2	0	23-Dec	8	0
30-Dec	2	0	30-Dec	6	0

## SATURDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
1-Oct	8	0	1-Oct	0	0
8-Oct	10	2	8-Oct	0	0
15-Oct	7	3	15-Oct	0	0
22-Oct	3	0	22-Oct	0	0
29-Oct	10	5	29-Oct	0	0
5-Nov	2	0	5-Nov	0	0
12-Nov	2	0	12-Nov	0	0
19-Nov	2	0	19-Nov	0	0
26-Nov	2	0	26-Nov	0	0
3-Dec	3	0	3-Dec	0	0
10-Dec	12	4	10-Dec	0	0
17-Dec	4	1	17-Dec	0	0
24-Dec	3	0	24-Dec	0	0

## NET CONTROL STATIONS NEEDED

Needed: Net Control Station for the 28.380 and 28.800 MHz Nets at 18:00 UTC Monday-Saturday. If interested contact N6OPR via e-mail: [N6OPR@msn.com](mailto:N6OPR@msn.com).

## Orlando HamCation - February 10-12



Paul Hemby WN4AMO #73825 and Linda KA6SPS #69700 at the 10-10 booth. During the convention, a transceiver was set up in the 10-10 booth so people wishing to become 10-10 members could immediately get on the air and get their first 10 10-10 numbers.

THE AMATEURS CODE  
by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

CONSIDERATE..... never knowingly operating in such a way as to lessen the pleasure of others.

LOYAL..... offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

PROGRESSIVE..... with knowledge abreast of science, a well built and efficient station, and operation beyond reproach.

FRIENDLY..... with slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.

BALANCED..... Radio is an avocation, never interfering with duties owed to family, job, school or community.

PATRIOTIC..... with station and skill always ready for service to country and community.

## WINTER PHONE CONTEST

Hello to the great folks at 10-10 !!!! February 4 and 5 2017

This is Suwannee Amateur Radio Club in Live Oak, Florida = Suwannee County= em80mi !!!! #75836 !!



**Bill W4NQP working the Suwannee ARC station**

We didn't get started in the winter phone contest Friday night due to prior obligations and then had a Saturday morning work party, getting ready for some equipment to go to Orlando hamfest, that lasted until noon, but then we were able to get on the air and have fun!!!

And wouldn't you know after calling CQ a few times on a very quiet band we are blessed with our first contact with our world famous, new, President, N0TW Terry #36547 !!! After one more contact to club W4UCJ #75257 the band went completely dead for about one hour then we had a sporadic-e opening to 1 and 2 land (23 contacts) with some transequatorial contacts to South America ==Brazil-Argentina-Chile and Uruguay! This all dried up by 22:25 UT.

Then it was back to complete silence for three hours then 8 - 9 - and some 0,s (17 contacts) then right at 02:10 Sunday morning that abruptly changed to 5 land - Texas for (22 contacts) N5MT #24949 NM5H #68588 etc. until 03:50 and then it was dead for the night !!! Sunday morning was complete silence until

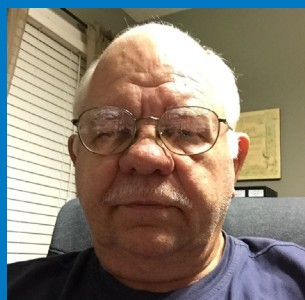
lunchtime were South America was back in for a couple hours and then dead for 3 hours then a few (3 California calls) AC6DX #75028 - K6DXA #76758 and AB6QM #63114 and then it went dead for rest of contest !!!

Saturday after lunch was sporadic but productive but Sunday was sure a challenge!!!! We had a great time and talked to some great folks !!!! Remember it's 10-10 and let's do it again !!!

P/S If you hear us at the clubhouse say HELLO !!!!! It was W4NQP Bill and KD4AMP Jon #59739 here at the microphone !!! Looking forward for the Spring digital contest!! 73 and God bless and great dx and best wishes to everyone !!! Also hats off to all the 10-10 club members with low numbers !!! top ten 1=KE4KN Herbert #2679 WOW 2=N5XZ Allen #4530 WOW 3=W0RTV Don #13962 wow 4=WA2ALY Larry #18169 wow 5=N5MT Mike Mr. dx #24949 6=N1API Alan #25468 7=W1NRG Meriden #29650 8=N0TW Terry el president #36547 9=LU1BJW Horacio #39329 and 10 AJ4F Robie #39439 !!!!!



**Suwannee ARC station antenna farm**



## QSO Parties

Dan Morris, KZ3T  
(#41015)

### 54th ANNIVERSARY RESULTS FOR 2016

CALL	10-10#	CTX
1. N6OPR	45715	12
2. N5MT	24949	9
3. KN4Y	17757	4
4. KA9PCU	73562	4
5. N1API	25468	3
6. KZ3T	41015	3
7. KD5HIP	71476	1

### MEET THE VOLUNTEERS 2016 RESULTS

CALL	10-10#	CTX
1. N6OPR	45715	17
2. N5MT	24949	11
3. KA9PCU	73562	9
4. N1API	25468	9
5. KZ3T	41015	6
6. KD5HIP	71476	5
7. NH7PE	74456	2

### WINTER 2017 PH QSO PARTY

**FEBRUARY 4 - 5**

#### TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N5XZ	4530	114	159	387
2. K0NM	75901	60	79	199
3. N5MT	24949	69	31	169
4. KD4AMP	59739	23	66	112
5. N6OPR	45715	39	22	100
6. DL6DK	39944	41	2	84
6. DB9DF	74506	41	2	84
7. WG5H	77342	26	8	60
8. KM4ODS	77504	24	11	59
9. K5IZO	74728	23	5	51

#### CALL AREA ORDER

##### CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
NC0B	74875	17	11	45
W0RTV	13962	4	1	9
KA0HZP	31562	3	1	7
N0CUN	33031	3	0	6
KB0ARZ	48754	1	1	3

##### CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	15	7	37

##### CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
KA2OSV	76289	9	18	36
WA2HMM	40510	2	3	7



**CALL AREA 3**

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3PZO	7891	1	0	2

**CALL AREA 4**

CALL	10-10#	CTX W	CTX WO	TOTAL
KD4AMP	59739	23	66	112
KM4ODS	77504	24	11	59
KJ4RV	37776	21	3	45
N4ZCG	56067	15	11	41
N0TW	36547	14	7	35
KQ4PK	63201	11	6	28
AK4YS	75328	11	0	22
KJ4OFD	75796	8	1	17
KU4W	20986	4	0	8
KM4IK	74624	2	3	7
WB4WXE	7010	1	3	5

**CALL AREA 5**

CALL	10-10#	CTX W	CTX WO	TOTAL
N5XZ	4530	114	159	387
K0NM	75901	60	79	199
N5MT	24949	69	31	169
WG5H	77342	26	8	60
K5IZO	74728	23	5	51
N5DTT	73679	23	1	47
KG5BMS	77275	22	3	47
NR5Q	76939	19	4	42
K5GJQ	76862	20	1	41
K5WRN	76445	16	1	33
KG5LRP	77474	15	3	33
AD5IF	73372	14	0	28
KD5FBA	77047	11	0	22
KB5UNX	64337	8	0	16

KD5ZD	37258	7	0	14
N5PWW	55863	7	0	14
NJ5T	58487	7	0	14
NV5F	75654	7	0	14
KD5DE	33513	6	1	13
NS5R	36388	4	3	11
KM5FF	50356	3	0	6

**CALL AREA 6**

CALL	10-10#	CTX W	CTX WO	TOTAL
WN6K	13067	17	11	45
AB6QM	63114	4	2	10
AD6GE	36627	4	1	9

**CALL AREA 7**

CALL	10-10#	CTX W	CTX WO	TOTAL
N6OPR	45715	39	22	100
K7QXG	5956	11	0	22
N7QOZ	62599	1	0	2

**CALL AREA 8**

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	10	11	31
W8PJY	14574	2	1	5

**CALL AREA 9**

CALL	10-10#	CTX W	CTX WO	TOTAL
NA9A	31121	8	4	20
KC9EOQ	74609	2	0	4
WA9LJK	70789	1	0	2

**QRP**

CALL	10-10#	CTX W	CTX WO	TOTAL
AD5IF	73372	14	0	28



**COUNTRY ENTRIES****ARGENTINA**

CALL	10-10#	CTX W	CTX WO	TOTAL
LU1BJW	39329	7	2	16

**GERMANY**

CALL	10-10#	CTX W	CTX WO	TOTAL
DL6DK	39944	41	2	84
DB9DF	74506	41	2	84

**NETHERLANDS**

CALL	10-10#	CTX W	CTX WO	TOTAL
PA2NJC	30903	19	4	42

**CLUB ENTRIES**

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	69	31	169	N5MT
					KD4AMP/W4N-
N4SVC	75836	27	66	120	QP
DF0AG	74925	41	2	84	DL6DK/DB9DF
DF0VK	75885	41	2	84	DL6DK/DB9DF
W1NRG	29650	15	7	37	N1API
W4OIX	54432	11	6	28	KQ4PK
DL0BIC	77526	8	0	16	DL6DK/DB9DF
KD5BZC	42114	6	1	13	KD5DE

**CHECK LOGS**

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
AG5T	55802	10	1	21	0
KG5QJE	0	10	0	20	0
HP1AC	10107	5	2	12	0
W6ZAR	0	4	1	9	0
KM4HQL	0	3	0	6	0

**CHAPTER ENTRIES**

CHAPTER	LOGS	PTS
HOUSTON SHOT	15	1349
BRANDING IRON	5	352
POSSUM TROT	8	248
MLB	1	100
CASTLE CRAIG	2	74
LONESTAR	5	72
NEANDERTHAL	1	42
CATT	2	36
STEAMBOAT	2	26
CITY OF LIGHTS	2	24
GATEWAY	3	22
OREGON TRAIL	1	22

**!!!ATTENTION!!!**

**\*\*\* NEW DEADLINE DATES ESTABLISHED FOR**

**ALL 10-10 QSO PARTIES \*\*\***

**\*\*\* EFFECTIVE WITH THE SUMMER QSO PARTY \*\*\***

On January 22, 2017 a BOD on-line meeting/conference was held. It was recommended the deadline dates of all QSO Parties be shortened. Fifteen days runs very close to having to get results to the NEWS Editor. Even though 15 days is given, I generally have to wait longer. US and especially DX logs can take up to as many as 7 to 10 days to get to me, if mailed. That could be up to 25 days before I can start to tally up the results. Right now we have approximately 80-85% of the logs that are uploaded to the contest scorer. About 8-10% are sent in via email. The rest 6-10% are sent in via snail mail. I have looked at most of the other contests and their deadline dates run anywhere from 5 days to about a week. The BOD determined that a week (7 days) is sufficient time to submit a log. Seven days would end on a Sunday so the new deadline dates will end 8 days after each QSO Party. Approximately 95% of the logs are in within the 8 day time frame. As always, if the deadline date does

fall on a Sunday or a holiday then the deadline date will be extended one day. Remember, the deadline date is the last day to submit your logs.

The new deadline dates will start with the Summer QSO Party in August of this year (2017). This should be sufficient time to get the word out to everyone about the change. The next edition of the NEWS will reflect the new deadline dates. I will do my best to get the word out to as many people as I can and also to the other organizations that post our QSO Party Schedule.

Dan Morris KZ3T  
QSO Party Manager  
[dbmorris315@gmail.com](mailto:dbmorris315@gmail.com)

### SSB QSO PARTY ANALYSIS MARCH 1, 2017

Many of you have been entering the SSB QSO parties for a long time. But did you know that the first Winter QSO party took place in 1974 which was twelve years after 10-10 was founded in 1962! If you look at the 10-10 website, you will find a few 10-10 Bulletins for that year in the archives. If you can go back and read up on what some of the old timers were doing back in 1974 and see how much the News has improved with the use of computers. Back in 1974 we did not have the Internet, email and personal computers to move data around. Times have changed for the better and I will try to give you a lot of information in this article that no one has ever seen before about the 10-10 SSB QSO parties!

The first SSB QSO Party took place in the winter of 1974 and it was won by the DX station Juan LU7FAG #196 who made 138 QSO for 310 points. The Chapter that won was Nutmeg with 650 Q's and 720 points. Coming in second was Michigan Robins with 491 Q's and 552 pts. In the early contest, they did not count logs submitted for each Chapter. Grace Dunlap K5MRU #218 reported there were 187 total logs received for the first QSO party and Grace was the person scoring the early years of the QSO parties. The scoring was as follows: DX stations had an advantage as they were worth 3 points, a regular member was 2 points and a non-member was 1 point. There were no multipliers like in ARRL contests but 10-10 did try mults in 1997 and they only lasted that one year. The mults were dropped from scoring as being too difficult to score. To keep the Chapter stats even, I have normalized the totals for logs and points for year 1997 in the spread sheet that was created to keep track of all the QSO data. I plan to get the detailed QSO Party data ready for posting on the 10-10 Web site as soon as we can find the correct place to put the spread sheet.

There was no Summer SSB QSO Party in 1974: that had to wait until 1975 when Neal WB6PXP/K4EA #7483, won it with 552 Q's for 1315 points. QRZ reports Neal is still an active call sign. The winning Chapter was C.A.T.T. with 6258 pts.

The second SSB QSO party in 1975 had a total of 329 logs received. It was won by Wallace Dunn W5YZL #8333 in Louisiana with 469 Q's and 1308 pts. The winning Chapter was again Nutmeg with 6638 pts. The number of logs submitted is unknown as we did not count them. ( I estimated 20-25 logs). Nutmeg won the Winter QSO party four years in a row starting from 1974-1977.

There have been 44 Winter QSO Parties since the first one in 1974 and the average Chapter score has been 33 logs and 9564 pts scored. The Chapter that has won the most SSB parties is the Houston SHOT group with 31 wins, this includes the February 2017 QSO party which is posted on the 10-10 web site.

Scores have decreased over the years! There is less member participation due to several factors, like less propagation during the last two solar cycles, fewer active members available to participate and fewer logs have been submitted for all Summer QSO Parties.

Our current Solar Cycle 24 is almost over. I used the past eleven years as a subset of the past 44 years to compare the beginning years with today. During this cycle, the average number of logs submitted by a winning Chapter was 15 and the average point total 2722. This is a 72 percent decrease in Chapter log as compared to the 44 year average. Compared with the most recent Winter QSO party, the winning Chapter only submitted 15 logs for 1349 pts, which is not a record low score. The record low score was in 2005 by the Aloha chapter with 2 logs and 515 pts.

The January 2017 10-10 News showed a 70 percent decline in the active Chapters, as compared to the 1970's when 10-10 was really growing. As expected, there were a lot more logs being submitted for Chapter credit. A record number of 86 logs were submitted by the Nutmeg Chapter in 1980 for 27,691 pts. The second largest number of logs was by the Houston SHOT group in 1990 with 78 logs for 34,489 pts. This 34,489 pts is the most points scored by a Chapter and is an **All Time Record High** (excluding 1997 when the multipliers were tried for a year).

In the early years of the SSB contest, the DX stations had their advantage with the 3 points they collected when working DX. Today the DX score is no longer used, as you only give one point for a non-member and two points for a member. The 3 point rule changed in 1978 when Grace K5MRU posted the change in the 10-10 Bulletin. Some of the early year totals helped the DX stations that worked the US since most everything they worked was a three point contact. In 1997, they used a multiplier of states and countries and that made it harder to score and compute a correct score for the hundreds of logs received. I did not record when we started using a volunteer Chapter to score a year's worth of QSO parties. There was no software to help the scoring chapter do their volunteer job. I normalized the 1997 Chapter scores to make them look more like all the other QSO parties so the averages would be realistic. In 1998

we went back to no multipliers to simplify scoring.

### The 1995 Summer QSO Party is missing in the 10-10 News archives!

Therefore, there is no Chapter score for the 1995 Summer SSB QSO Party. But I did find the individual winner to be Chuck N2EOC with 752 QSOs and 1341 pts. If anyone does have that missing information, Please send it to me or the 10-10 News Editor so we can get it copied and into the 10-10 Website archives.

The Summer QSO Parties have always had fewer logs submitted for Chapter credit especially in the 1980 to 1990 period. Summer conditions are different for this party in the US as we do not hear across the oceans to work the DX. Propagation is usually north/south thus we hear South America. Well, the average number of logs submitted for a Summer party is 26 as compared to 33 during the Winter. The total Chapter points averaged 6156 over the 43 Summer years that I had data. I compared the 9564 pts Chapter average for the Winter with the Summer 6156 pts and found that the Summer results was 36 percent lower than the Winter winning chapter, which corresponds to the shift of propagation from the winter to summer paths.

During the past eleven year period of Cycle 24, the Winter and Summer Parties have averaged about the same scores. Total logs submitted in the Winter averaged 15.1 and 2722 pts compared to total Summer logs of 14.9 with 2800 pts per contest. These numbers are basically even for analysis purposes for the past eleven years. The reason we are having fewer logs submitted is simply fewer members are interested in their scores to be counted for a Chapter and fewer Chapters are available to allocate your score. You must have your dues paid up for your score to count in the QSO Party and for any awards. Our local chapters are getting senior-like similar to many chapters that have gone SK due to the age and inactivity of the members. I believe the younger members must step up and become the new chapter leaders and continue the traditions of 10-10 into our future.

The 10-10 Chapters with the most wins are listed:

Houston SHOT: 16 Winter wins - 15 Summer wins

Nutmeg: 9 Winter wins - No Summer wins

Possum Trot: 8 Winter wins - 10 Summer wins

City of Lights: 3 Winter wins - 5 Summer wins

Rep of Texas: No Winter wins - 3 Summer wins

Colorado: 1 Winter win - 3 Summer wins

Aloha: 2 Winter wins - No Summer wins

All of these chapters have won one Winter party:

Bay Area; C.A.T.T.; Fort McHenry; Lonestar and Margarita & Martini.

All of these chapters only won one Summer:

Bay Area; Arizona Desert; Gateway; STX Light Horse Brg.; and C.A.T.T.

The most wins by a member are as follows:

Al N5XZ has won 18 QSO parties (Record).

Chuck N2EOC has won 10.

Dirk VP2VF has won 7

Mike N5MT has won 4

Richard W0QKY has won 3

Robert WA5JDU has won 2

Cliff K5FBS has won 2

Jim K4HAV has won 2

Claude AH6RF/AG7DX has won 2.

Houston SHOT members have won 12 Winter parties and 14 Summer parties (Record).

— Winter SSB QSO Party Summary :

The member that has the highest score was Mike VE7CMN/VE7WY #18299 worked 1385 QSOs and 3819 pts (DX was 3 pts) in 1979. Mike has not been on the air for three years as of this writing.

The member that had the most QSOs recorded was John N7TT with 2003 Q's in 1991. This was a record, John lives just north of Portland, WA.

The second highest QSO count was Dirk VP2VF with Q's of 1447 and 3369 pts in 1999. Dirk moved to Panama using call HP3XBS and is now a SK as of Dec 2014.

Next was John N7TT with 1817 Q's and 3151 pts in 1992.

Next is Al N5XZ with 1804 Q's and 3369 pts in 1990.

AL has the most wins of any SSB QSO parties for 10-10!

In 1982, Robert WA5JDU had his best QSO party with 1360 Q's for 2430 pts. Robert is presently the one with the most worked members with 24,600 numbers in his log.

– Summer SSB QSO Party Summary:

In 1999, Daniel LU3CT had 970 Q's and 2575 pts.

In 1978, Jay K0GU had 1317 Q's and 2359 pts.

In 1981, Susan WA6OCV had 1260 Q's and 2295 pts.

In 1989, Sandy WB4EVH had 1107 Q's and 2000 pts.

In 1988, Al N5XZ had 1109 Q's and 1960 pts.

In 2008, Chuck N2EOC had 1227 Q's and 1923 pts.

In 1977, Bill K4XS had 1046 Q's and 1897 pts.

In 1990, Humphrey P43HM had 1000 Q's and 1766 pts.

In 1981, Richard W0QKY had 928 Q's and 1709 pts.

I am posting this to the 10-10 website on March 1st.

Any corrections to the collected date would be appreciated, especially the missing 1995 Summer results. Send to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA or email to: N5MT@aol.com .

73 Mike Davidson N5MT #24949

### A MEMORABLE HAM EXPERIENCE

In talking to the XYL, she reminded me of my contact with Father Moran, 9N1MM, in Nepal.

I was trying for months to get him. There were many many pileups to try to break through.

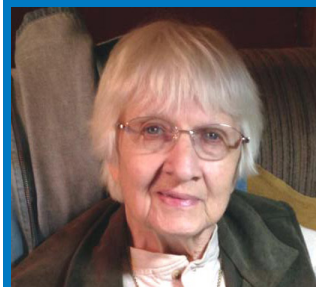
It was Christmas morning, 12-25-1991. Father Moran was working a large pileup on 20 SSB. . I was on 20m using VOX. I was getting horse from calling so many times. Then my XYL shouted down stairs, "come up and eat breakfast or it goes to the dogs". The VOX sent out her words...

Father Moran, 9N1MM, came back and said "Please come back, the guy whose eats are going to the dogs". I worked him with a 58 from him,

73 Charlie, WA2HMM, 40510

### ARTICLES

If you have a Ten-Ten related adventure/experience you think would be good to share with the other members of the Ten-Ten International organization, please send your story to editor@ten-ten.org.



## Silent Keys

Ruth Bartholomew, N0KDB  
#48715

It is with sorrow that we note the following Ten-Ten members who are now Silent Keys. We extend our sincere condolences to the families and friends of those SK members whose calls and Ten-Ten numbers will forever be kept in the records of the Ten-Ten Net.

10-10#	Call	Name - City, State
262	K7PMB	Ralph E Dean - Grants Pass, OR
342	WA0PBQ	Donald E Inbody - Overland Park, KS
1525	N5EJS	Russell T Gauthier - Pollock, LA
1764	K4FBP	Donald Adamson - Sunrise, FL
3085	K4TP	Arthur S Gillespie Jr - Gastonia, NC
3220	W7BM	Philip Shafer - Canon City, CO
3244	W5IXQ	Travis D Flatt - Albuquerque, NM
3324	WA4GZZ	Milton H Fanning - Nashville, TN
3445	W4GV	Walter F Beverly III - Lynn Haven, FL
3735	WB0GGO	Robert M Kuthe - St Louis, MO
4170	KK4FE	William O Pressley Jr - Spartanburg, SC
4788	W4KL	Randolph E Watkins Jr - Evans, GA
5686	W3SII	Arthur 'Barney' Barnhart - Mount Pleasant, PA
6327	KB7WU	Bill O Wynkoop - Bend, OR
7058	GW4BLE	Steve R. Cole - Wales, UK
8736	VE7CEN	A J Denham Meek - Victoria BC, CAN
10607	W8SFF	Stephen H Sorrell - West Bloomfield, MI
10890	KF6DU	C Leonard Eckerley - Concord, CA
11107	K4EKD	James C Moffet - Huntsville, AL
11783	K5JHP	William E Pierrard - Houston, TX
12239	W4ZGO	Rodney R Sisk - Pensacola, FL
12633	WA1VEC	Edmond R Couture - Rehoboth, MA
12877	W9WC	John R Rowley - Morganfield, KY
12882	WB9HUM	Pat O'Toole - Montgomery, IL
12902	WX9U	Philip C Rice - East Peoria, IL
14095	WA2YBG	Arthur Reiss - Levittown, NY
14652	ex KB4M	George N Campbell - Kings Mountain, NC
14731	VE7IH	Austin George Holden - Penticton, BC, CAN
16084	K0LT	Bennie Lee Tingle - Denver, CO
16538	KD2FJ	Gary J Bossardet - Morris Plains, NJ
17145	WA5IYX	Patrick J Dyer - San Antonio, TX
18283	HP8KJW	David G. Rosenfeld - Penonome, Panama
18610	W6LOC	Harry J Larsen - Fresno, CA
18789	WA4CLT	Vernon N Whetzel - Raleigh, NC
19011	VE5QY	Clifford R Erbach - Moose Jaw SK, CAN



262	K7PMB	Ralph E Dean - Grants Pass, OR	27145	K6FO	Norman Brooks - Citrus Hgts, CA
342	WA0PBQ	Donald E Inbody - Overland Park, KS	27719	KG0ZI/5Z4BI	Bill L Nesbitt - Grand Junction, CO
1525	N5EJS	Russell T Gauthier - Pollock, LA	27782	K7FE	Terry L Graves - Thousand Oaks, CA
1764	K4FBP	Donald Adamson - Sunrise, FL	29095	N7BPA	Jackie C Smith - Las Vegas, NV
3085	K4TP	Arthur S Gillespie Jr - Gastonia, NC	29104	K4HOT	David H T Jewett Jr - Richmond, VA
3220	W7BM	Philip Shafer - Canon City, CO	29541	N8FXL	John W Taylor - Cambridge, OH
3244	W5IXQ	Travis D Flatt - Albuquerque, NM	30083	N7BGG	Vern T Wright - Spokane Valley, WA
3324	WA4GZZ	Milton H Fanning - Nashville, TN	30489	KD8BD	Donald M Cote - Lansing, MI
3445	W4GV	Walter F Beverly III - Lynn Haven, FL	32066	N4ENX	Suzann L Chism - English, IN
3735	WB0GGO	Robert M Kuthe - St Louis, MO	33094	KK0L	John C Harvey - Colorado Springs, CO
4170	KK4FE	William O Pressley Jr - Spartanburg, SC	33676	VE3LRB	Richard G Moore - London, ON, CAN
4788	W4KL	Randolph E Watkins Jr - Evans, GA	35606	W7IH	William P Morris - Newberg, OR
5686	W3SII	Arthur 'Barney' Barnhart - Mount Pleasant, PA	36152	HB9MX	Kurt Bindschedler - Winterthur, Switzerland
6174	AA1NC	Raymond W Kimberly - Walpole, NH	36507	ND8J	Michael F Cardaman Sr - Vero Beach, FL
6327	KB7WU	Bill O Wynkoop - Bend, OR	38880	NV7C	Charles S Davis - Louisville, KY
7058	GW4BLE	Steve R. Cole - Wales, UK	39750	K4DLI	James R Streible - Marietta, GA
8736	VE7CEN	A J Denham Meek - Victoria BC, CAN	39800	W9JNS	Ralph F Duy - Aurora, IL
10607	W8SFF	Stephen H Sorrell - West Bloomfield, MI	40280	VE3LFK	Albert Mueller - Windsor ON, CAN
10890	KF6DU	C Leonard Eckerley - Concord, CA	41152	N4LLD	Hugh W Quigley - Bradenton, FL
11107	K4EKD	James C Moffet - Huntsville, AL	41442	KC5PI	Robert M Sylvester Sr - Denison, TX
11783	K5JHP	William E Pierrard - Houston, TX	41456	WA5ULI	Charles R Akers - Orange, TX
12239	W4ZGO	Rodney R Sisk - Pensacola, FL	41466	K5WJY	Donald K Holck - Albuquerque, NM
12633	WA1VEC	Edmond R Couture - Rehoboth, MA	41621	K0PHD	Lester J Maune - Washington, MO
12877	W9WC	John R Rowley - Morganfield, KY	41798	W1ALS	Adolph B Mattson - Milo, ME
12882	WB9HUM	Pat O'Toole - Montgomery, IL	41845	K4VX	Griffith L Gordon - Hannibal, MO
12902	WX9U	Philip C Rice - East Peoria, IL	41976	K2TRK	Arthur R Storm - Madison, NJ
14095	WA2YBG	Arthur Reiss - Levittown, NY	43791	N7MSH	Neal A Chamberlain - North Powder, OR
14652	ex KB4M	George N Campbell - Kings Mountain, NC	44007	NR8U	Robert C Cashdollar - Newark, OH
14731	VE7IH	Austin George Holden - Penticton, BC, CAN	45166	N1FJR	Eleanor E Cyr - Falmouth, ME
16084	K0LT	Bennie Lee Tingle - Denver, CO	45616	W5BVN	James D Henson Sr - Kileen, TX
16538	KD2FJ	Gary J Bossardet - Morris Plains, NJ	45959	W3UAQ	John J Antonio - Wellsboro, PA
17145	WA5IYX	Patrick J Dyer - San Antonio, TX	46580	WA7JK	James R Kersey Sr - Spanaway, WA
18283	HP8KJW	David G. Rosenfeld - Penonome, Panama	47554	K7HGK	Bernard M Lionberger - Helena, MT
18610	W6LOC	Harry J Larsen - Fresno, CA	48146	K1AEE	Frederick E Bassett Jr - N Providence, RI
18789	WA4CLT	Vernon N Whetzel - Raliegh, NC	48585	KK1CW	Walter H Lau - Spofford, NH
19011	VE5QY	Clifford R Erbach - Moose Jaw SK, CAN	49721	KA2NJE	Mervin D Chew - Pitman, NJ
20722	VE3IUI	Frank Robert E Highton - Burlington ON, CAN	49731	WB2RWT	Gladys O Zickler - Schenectady, NY
20867	K8ZO	Elmer R'Dick' Powers - Mt Pleasant, MI	50024	W1KZE	James K Sullivan - West Swanzey, NH
21213	WB6PWT	John Dowling - Sacramento, CA	51751	KF0CI	Kenneth H Felland - Hudson, WI
23126	NM4R	Morris W Jones - Florence, SC	52119	KA5WDX	Rutherford L Dowdell - Fort Worth, TX
23331	KB6HW	Esther Imsande - Sun City West, AZ	52324	K3NCO	Marc A Ressler - College Park, MD
23863	WD0EBZ	Victor R Hansen - Pinecliffe, CO	52545	WB2ABG	Raymond A Van Derveer - Edison, NJ
23966	AI1M	Scott K Brackeen - Bonnevill, MS	52644	N6TYG	Tony D Bamberger - Battle Ground, WA
25327	WD8QEF	Daniel Anderson Jr - Midland, MI	54047	N5MFG	Jack M Mc Kenzie - Ingram, TX
25606	N6BCY	Rosemarie R Pitz - Oshkosh, WI	55204	W0FN	William C Jones - Overland Park, KS
26182	N4MX	John Martinez - Niceville, FL	56566	W1RPC	Neville 'Bud' D Eaton - Deer Isle, ME
26435	VK2PS	Steve Pall - Petersham, NSW, Australia	57258	N6SPY	Robert C Hughes - El Cerrito, CA
26538	WB2TTS	Robert J Kinsella - Pleasant Hill, TN	57539	WB4VMP	Seymour 'Sky' Greenberg - Cantonment, FL

59569	K6RLT	Robert Brown Jr - Cedar City, UT
59697	AB5NS	John R Lilly - Perryton, TX
60288	K9GYI	Howard D Eskridge - Tuscola, IL
61438	W9FBR	Robert A Cheever - Demote, IN
61876	KC4STZ	Angus S Smith Jr - Johns Island, SC
62241	DL2SCQ	Wolfgang Dattenberg - Neckartenzlingen, GER
62352	N0PIR	Ronald W Hisserich - Washington, MO
63028	KB3AAG	Frank E Van Cleve - Waynesburg, PA
63155	WA6OCF	Neal C Enault - Sunnyvale, CA
63997	W1JLC	Francisco A Herrera - Rutland, MA
65923	N8ZSK	Eric R Raifsnider - Kalamazoo, MI
67174	AA1NC	Raymond W Kimberly - Walpole, NH
67838	KC5RZD	Eugene M Sloan - Arlington, TX
68135	N3KHK	John R Klim II - Beltsville, MD
68635	KC8FAA	Ernest B Hazlett Jr - Mansfield, OH
68965	KC4ZFF	Joseph H Andrews - Somerset, KY
69941	KE4VNA	David J Hesselink - Winter Park, FL
70939	WA6JJA	Richard A Russell - Bakersfield, CA
72960	W7LZG	Robert B Reinholdt - Ashland, OR
73230	N4NN	Gerald D Conner - Hilliard, FL
74224	KE6RQQ	Priscilla H Hivner - Oxnard, CA
74265	N4OKL	Charles T Emerson - Huntsville, AL
75508	K4KIX	William (fred) A Sturgis Sr - Marietta, GA
75908	KD7ATL	James M Callaway Jr - Elko, NV
76400	WM2W	Marilyn Webb - Monticello, FL
76744	KK4OQF	Thomas B Trierweiler - Columbus, GA

Thanks to Lee - K2HAT - #76138 for his efforts in helping me keep the sk column as up to date as possible.

Ruth 73/88, N0KDB #48715

## 10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal has always been to fund our scholarships entirely through member donations. At the Scholarship Foundation meeting in June, the Foundation Board voted to guarantee the funding for five \$2000 scholarships to be awarded in 2017. The Foundation was created in 2001 and is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. Why not consider a donation as a Chapter or an individual in memory of a fellow ham or loved one. If you haven't donated before, we want you to know that all donations are appreciated and they do add up. At the time you make a donation to your favorite charity, please consider a donation to the 10-10 Scholarship Foundation. If you have an employer matching program, please let us know.

If you make a donation of \$15 or more you are eligible to receive the current year pin. For a donation of \$25 or more we can also send you one of the older 10-10 pins. As more and more members have told me not to send a pin and want the maximum amount of their donation to go to the students, if you have made a qualifying donation and would like a pin, please contact me at wa2suh@aol.com. To pay by credit card see payment information on Page 31 or send your check to me or the Data Manager. Our addresses can be found on Page 30.

The members listed below became 10-10 Scholarship Foundation Supporters during the months of December, January and February and we appreciate their support.

### Platinum (\$1000 or more)

N5MT ..... Michael Davidson 24949

### Gold (\$500 to \$999)

KE6DRN ..... Charles Thompson 68855

### Silver (\$100 to \$499)

K4QYC ..... Joe Sport 51459

WB0CON ..... Eva Donaldson 53964

### Bronze (Up to \$99)

WA3IKL ..... Charles Dutrow, Jr. 01917

WA6EGB ..... Edward Inskeep 02876

KJ6IJ ..... Stanley Cleveland 08940

WB4VEJ ..... Luther Cuthrell 15479

KD5L ..... Mark Brown 17235

WB5VEV ..... James Christenberry 26614

AI3K ..... James Cardinal 45916

KC4QGT ..... Larry Ellis 57028

KD4AMP ..... Jon Beaver 59739

KD4BTU ..... Patsy Beaver 59754

KD4EFJ ..... Charles Walther 64712

N7YG ..... Jeff Steinkamp 65084

DK7LA ..... Wolfgang Dethlefs 66048

NC6U ..... Ronald Carmichael 70953

W4UM ..... Michael Raskin 70959

WE6BER ..... Howard Weber 71400

N3AGS ..... Richard Miskinis 72584

N9XHN ..... David McMullen 72762

AD5IF ..... John McCrevey 73372

W4OFR ..... Jay Smith 74051

## Bronze (Up to \$99) - Continued

KF4UBK.....	Donald Collins	74999
KI4UVE.....	James Dugger	75029
N4SVC.....	Suwannee ARC	75836

### 10-10 SCHOLARSHIP APPLICANT INFORMATION

Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds five \$2000 scholarships, which are administered on our behalf by the Foundation for Amateur Radio (FAR). It is suggested that every 10-10 member encourage qualified college-bound amateur radio operators to take advantage of this opportunity. The five most recent winners were featured in the Fall issue of the 10-10 News and on the

10-10 website. Over the past 29 years, 10-10 has funded 108 scholarships valued at \$127,000.

Applicants must be licensed amateurs. There is no restriction on the course of study, but applicants must intend to seek at least an Associate Degree from a college or university. Non-U.S. amateurs and those seeking graduate degrees are also eligible, as well as students who study outside the United States. Initial applications must be received by FAR prior to April 15th of each year. Download an application from FAR's website: <http://www.farweb.org> or request an application from:

**FAR Scholarships**  
**P.O. Box 911**  
**Columbia, MD 21044-0911**

## TEN-TEN AWARDS

To apply for any 10-10 Award, paid-up membership is mandatory. You are not required to send in proof as the Awards Manager has the current membership database. All contacts made for any award must be legal 10-10 contacts (a full exchange of Call, Name, QTH and 10-10 number from BOTH members). An application listing the rules for each award is available from the appropriate Awards Manager listed at the end of the award listings. Please send your request with a #10 (business size) envelope, self addressed and stamped with one unit of first class postage (or enclose one IRC for GB Award), to the Award Manager for the Award you are interested in obtaining. Please no phone calls to Award Managers for an application or list of rules. Contact requirements and rules for all Awards are available on the 10-10 website - [www.ten-ten.org](http://www.ten-ten.org)

### TOP TEN HONOR ROLL

No.	CONTACTS	CALL	10-10#
1.	24600	WA5JDU	3017
2.	11700	K0PV	9902
3.	11700	N5XZ	4530
4.	11200	DL8YBM	36109
5.	10500	N1API	25468
6.	10000	K6PZE	1341
7.	9800	N5DAS	35877
8.	8800	AC6FU	10937
9.	8200	K5FBS	48461
10.	8100	WB3FGU	16728

### 1000+ MILESTONE BARS

#### 8000 BAR

NO.	CALL	10-10#
	N6OPR	45715

### TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	10100	WD0SFT	37933
2.	4400	K6MQ	K6MQ
3.	3300	DL0X	DL0X
4.	2100	W8PGW	W8PGW
5.	1800	W1NRG	W1NRG
6.	1200	NM5MD	NM5MD
7.	1100	W4MNM	W4MNM

### WPX AWARD

#### BASIC AWARD

NO.	CALL	10-10#
387	VK5PAS	76564



## AWARDS MANAGERS

BAR 100-900 ..	Dan Morris, KZ3T #41015 .....	3162 Covington Way, Lenoir NC 28645 .....	(828) 728-5049	<a href="mailto:dbmorris315@gmail.com">dbmorris315@gmail.com</a>
Bar 1000+ ....	Marilyn Webb, WM2W, #76400 .....	1103 Fulford Rd. Monticello, FL 32344-4352 .....	(614) 216-5334	<a href="mailto:wm2w10@yahoo.com">wm2w10@yahoo.com</a>
VP Bar .....	Bob Bishchoff K4QHH #26040 .....	180 Persimmon, Rutherfordton, NC 28139-9319 .....	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
VP WAS .....	Bob Bishchoff K4QHH #26040 .....	180 Persimmon, Rutherfordton, NC 28139-9319 .....	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
VP Lucky 13 ..	Dan Morris KZ3T #41015 .....	3162 Covington Way, Lenoir NC 28645 .....	(828) 728-5049	<a href="mailto:dbmorris315@gmail.com">dbmorris315@gmail.com</a>
WAC .....	Kevin Gilot, NZ1I, #72759 .....	50 Cindy Lane Mystic, CT 06355-1404 .....	(860) 572-6086	<a href="mailto:kevinemt1d@tvconnect.net">kevinemt1d@tvconnect.net</a>
Counties .....	Brad Kimble, K0DBK #55192 .....	3855 66th St. E., Inver Grove Hts, MN 55076-2222 .....	(651) 450-1173	<a href="mailto:kzerodbk@gmail.com">kzerodbk@gmail.com</a>
Countries .....	Mike Davidson, N5MT #24949 .....	3518 Bellefontaine St. Houston, TX 77025-1310 .....	(713) 668-8408	<a href="mailto:N5MT@aol.com">N5MT@aol.com</a>
CW .....	Lee Zalaznik, KI6OY #50948 .....	334 Olivina Ave., Livermore, CA 94551-6137 .....	(925) 455-0361	<a href="mailto:lee.zalaznik@sbcglobal.net">lee.zalaznik@sbcglobal.net</a>
Digital .....	Mel Sojka, KD5DE #33513 .....	353 Atlantic Ave., Shreveport, LA 71105-2909 .....	(318) 861-7012	<a href="mailto:kd5de@nwla.com">kd5de@nwla.com</a>
Mobile .....	Bob Bishchoff K4QHH #26040 .....	180 Persimmon, Rutherfordton, NC 28139-9319 .....	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
OM/XYL .....	Marcus Lieberman, KM5EH #71103 ..	2300 Hurley Drive NW, Albuquerque, NM 87120-1013 .....	(505) 836-1724	<a href="mailto:buckml@lobo.net">buckml@lobo.net</a>
WAS .....	Eva Donaldson, WB0CON #53964 ..	12933 W Montana Drive, Lakewood, CO 80228-4244 .....	(303) 989-0475	<a href="mailto:wb0con@comcast.net">wb0con@comcast.net</a>
WPX .....	Ed Bryant, KM5FF, #50356 .....	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851 .....	(505) 934-2100	<a href="mailto:elbble@gmail.com">elbble@gmail.com</a>
GB Counties ..	Mike Crawshaw, G4BLH #18446 .....	Moved - New address coming .....	No Phone	<a href="mailto:g4blh@zen.co.uk">g4blh@zen.co.uk</a>
Scouts .....	Rex Landreth, KD6FEC #77131 .....	30 Alida Road, Braintree, MA 02184 .....	No Phone	<a href="mailto:kd6fec@gmail.com">kd6fec@gmail.com</a>

## REPORT FOR THE 10-10 INTERNATIONAL CLUB STATION W6OI

W6OI continues to be on the air for all 10-10 QSO parties. Nothing heard from my location in past few months. Hopefully the band will open a bit to permit more stateside and European contacts as this winter comes to an end. I attempt calling almost daily usually around 1400Z to 1530Z at 28355. Keep trying everyone since you never know when that short opening will occur.

February SSB party heard absolutely nothing. Glad to hear that some folks did have some luck!! Even PSK has been awfully quite of late. As some folks do, put out a notice on the ten-ten.org email list service so others know to turn on their rigs and listen for you! If you are not subscribed to the ten-ten.org email list notification services, go to the ten-ten.org website to sign up. Just click on the drop down menu "Forum/Misc", and then click on the menu item "Ten-Ten List" where you can get all the details for this free service. If you are not subscribed to this service you are missing out on a whole lot of good material that is shared with/by the members.

I am in southwest Florida again this year to help pass winter months back in Wisconsin! I have a rotatable homemade dipole up about 15 feet for 10 meters and 20 meters that works great. See pictures. Well at least on 20 meters there is activity, but always listening and calling on 10 meters. I am hoping to be surprised by a callback from Europe someday like I was last year about this time.



Jerry's (N9AC #61453) Rotatable Dipole



As noted in a previous Newsletter, the W6OI special event has been cancelled until further notice. Hope propagation improves so activity increases for this and other yearly events.

The 10-10 Club Station, W6OI, is available for operation to any current (dues paid) member or chapter for use as a special event station. AND, also available if any member would like to operate W6OI during any of the 10-10 QSO Parties. Just send your request along with copy of license and paid up membership to the following or via email (treismine2@yahoo.com):

**Jerry Kopstein N9AC**  
**8041 W. Lakeshore Drive**  
**Burlington, WI 53105**

W6OI is one of three official 10-10 club stations, the others being VE9TEN (trustee Rob, VE9KM) and DL0X (trustee Henry, DL8YBM). W6OI is operated on CW by Brad, K0DBK who makes available FISTS and SKCC numbers. W6VY, Bob operates on Geratol nets to give out W6OI Geratol number and promote 10-10.

Louise, N6ELK continues to operate W6OI on the 10-10 daily nets, which meet at 1800Z on 28.380 and 28.800. Bob, N6OPR also gives out W6OI details on the daily nets if Louise is not available.

Paper chasers working W6OI can request list from Jerry, N9AC. It is available in ML format or just plain text. Listen for W6OI!

73's Jerry, N9AC

# Meet The Volunteers

A year-long event to find and make contact with all of the people who devote time to keep 10-10 an active organization! The goal? Make contact with each of the following volunteers during 2017

AD4RX, Roger.....	Director/Publications Manager
AJ7B, Randy.....	Newsletter Editor
G4BLH, Mike.....	Awards - GB
K0DBK, Brad.....	Awards - Counties
K4QHH, Bob.....	Award Manager-Mobile & VP
K5BKT, Peggy.....	Committee Member
K5ERJ, Ed.....	Committee Member
K6DNR, Bob.....	Net Control
K6RDK, David.....	Data/ Membership Manager
KA0ZPP, Jim.....	Director/Chapter Coordinator
KA5VVD, Bob.....	Committee Member
KC1BTA, Jason.....	Scout Award Manager
KC8IM, Dan.....	Net Control
KD5DE, Mel.....	Past President
KD6FEC, Rex.....	Scout Certificage Manger
KE1HG, Charles.....	Committee Member
KI6OY, Lee.....	Awards-CW
KM5EH, Marcus.....	Director/Awards Manager
KM5FF, Eddie.....	Awards-WPX
KQ4PK, Robert.....	Net Control
KR7RK, Keith.....	Treasurer
KZ3T, Dan.....	QSO Party & Awards Manager
N0KDB, Ruth.....	SK Manager

N0TW, Terry.....	President
N5MT, Mike.....	Awards - DX
N6ELK, Louise.....	Net Control
N6OPR, Bob.....	Director/Net Manager
N7YG, Jeff.....	IT Manager
N9AC, Gerald.....	W6OI Trustee
NP2MR, David.....	Committee Member
NZ1I, Kevin.....	Secretary, Awards WAC
VE7SSJ, Garry.....	Committee Member
VE3MEW, Bill.....	Committee Member
W4MAA, Bobby.....	Committee Member
W5DJT, David.....	Committee Member
W9HT, Joshua.....	Vice President
WA2SUH, Larry.....	Scholarship Manager
WA3GM, Greg.....	Director
WB0CON, Eva.....	Awards - WAS
WB6OJB, Arnold.....	Net Control
WB9WZI, Alan.....	Net Control
WI9X, Jim.....	QSL Bureau Manager
WM2W, Marilyn*.....	Awards - 1000+ Bars
WN4AMO, Paul.....	Director/Publicity

\* Silent Key

RULES FOR THIS EVENT AVAILABLE AT [WWW.TEN-TEN.ORG](http://WWW.TEN-TEN.ORG) IN THE QSO PARTY HANDBOOK



# QCWA

## 70TH ANNIVERSARY CHARITY CRUISE

### Message from the QCWA President

Greetings all QCWA Members and Friends, and those interested in celebrating with us on this exciting cruise. You need not be a QCWA member or an Amateur Radio operator to join us. All are WELCOME!

The Quarter Century Wireless Association, Inc. (QCWA) 70<sup>th</sup> Anniversary Charity Cruise event is to celebrate and commemorate our 70<sup>th</sup> Anniversary of the founding of QCWA, on December 5<sup>th</sup>, 1947.

We will sail the Caribbean for 11 days on Holland America's newest ship, the Koningsdam, visiting St. Maarten, Guadeloupe, Barbados, Martinique, St Kitts & Nevis, St Thomas and the Bahamas before returning to Ft Lauderdale, FL.

Book with White Travel <http://www.whitetravel.com/> to be part of the

group functions, including complimentary cocktails parties, and receive a complimentary Pinnacle Grill dinner. Be part of the fun, festivities, presentations, and most importantly the camaraderie.

I look forward to sailing with all of you, leaving Ft. Lauderdale on October 18<sup>th</sup>, 2017 to share our experiences and memories on the high seas. We plan to have presentations on sea days, and if any of you cruising with us wish to present a program, we would love to hear from you. You can contact me personally at the e-mail address below.

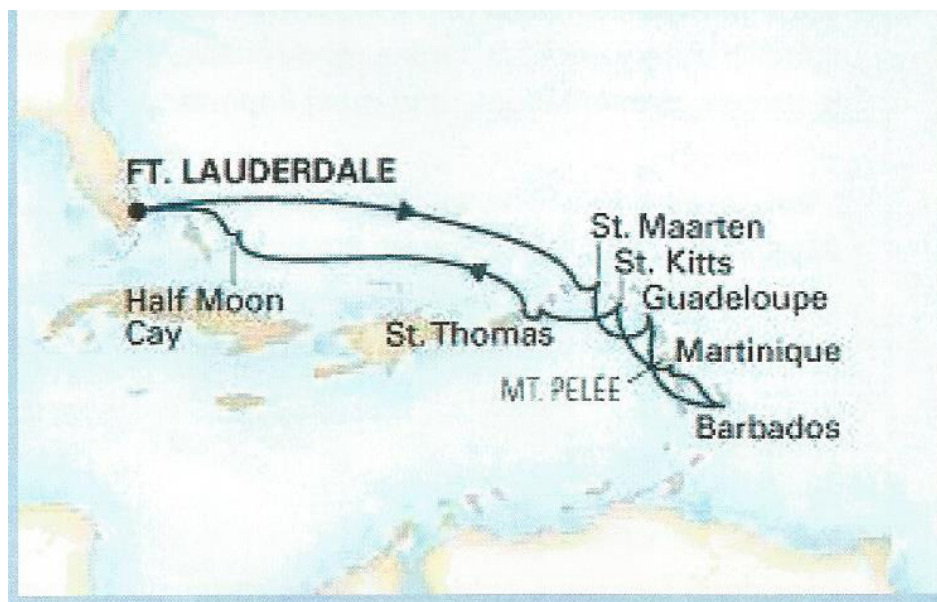
73

Ken Oeike, VE6AFO

President, Quarter Century Wireless Association, Inc. [president@qcwa.org](mailto:president@qcwa.org)

### Cruise Itinerary

Date	Port	Arrive	Depart
Oct. 18	Fort Lauderdale		4:00PM
Oct. 19-20	At Sea		
Oct. 21	Philipsburg, St. Maarten	8:00AM	5:00PM
Oct. 22	Point-A-Pitre	8:00AM	5:00PM
Oct. 23	Barbados	8:00AM	5:00PM
Oct. 24	Fort-de-France	8:00AM	5:00PM
Oct. 25	Basseterre	8:00AM	5:00PM
Oct. 26	St. Thomas	8:00AM	5:00PM
Oct. 27	At Sea		
Oct. 28	Half Moon Cay	8:00AM	3:00PM
Oct. 29	Fort Lauderdale	7:00AM	



## CW Corner

In this edition of the 10–10 News, I will be beginning a new feature in The News, one that I am calling CW Corner. This stems from my love for CW, but I will hasten to add that this feature will not be exclusively dedicated to the use and advancement of CW – although that will certainly be a large part of it.

In coming columns, topics that will be covered will include, but not be limited to, propagation, operating events, observations of proceedings on 10 meters, equipment, 10–10 happenings, and some nostalgia. In some segments, I may well offer some what I will deem constructive criticism of 10-10. Said criticism will never be meant to be derogatory to the organization or any particular individual, but will be meant as a means to aid the organization grow and move forward. Keep in mind that I have been a life member of 10–10 since 1989, so I will be under the umbrella of such criticism myself, so I don't want anybody taking it personal.

Before I begin getting into a series of columns, I feel it prudent to offer a short biographical sketch. This will help us all get to know each other, and give you all an idea from which I base my columns.

I arrived in the world in November, 1969 in the city of Belleville, Illinois – a town of about 40,000 located about 12 miles east of St. Louis, located in St. Clair County. For 40 of my 47 years, I maintained a Belleville mailing address, although not all of that time was spent living inside the city limits. I spent two years in a town called Fairview Heights, in a one bedroom apartment where I couldn't participate in Amateur Radio, and the last five years, I have lived in a house here in Caseyville, situated 5 or 6 miles northeast of Belleville, and about 8 or 9 miles east of St. Louis. Out in the back yard, I have an Antron 99 CB antenna mounted on a 10 foot mast, held up by a tripod. Feeding that Antron is an HTX 100.

For the first 5 years that I was licensed, CW was mandatory for getting a license. In the time studying for my Novice, I did not like CW, and I wanted nothing more than to pass my Technician. My thought was to simply get on 2 meters, allowing me to chat with my radio buddies without all the mess that comes along with 27 MHz. At the time, however, I could not afford much; I was a poor 16 year old High School boy wanting something to do. The answer came in a \$75 Heathkit HW 101. I used my new Novice privileges to get on 40 meters; after a little while, a strange phenomenon began to occur. My CW skills began to improve, and as those skills improved, I found myself beginning to enjoy it. That enjoyment drove me to use CW even more. I am now able to head copy in the 30 – 40 wpm range, but I find most pleasure taking it nice and easy in the 10 – 25 wpm range.

Another interesting phenomenon has happened throughout my years in Amateur Radio. For the first year or so that I was licensed, I was limited to a

straight key. I hated it, and felt I was not very proficient in its use. This changed maybe a year after getting my license when a friend of my dad loaned me a set of Bencher paddles and an electronic keyer. Getting used to the paddles in the beginning was quite awkward, much like learning to drive a stick shift, but once I mastered the timing, the paddles made CW quite enjoyable. Use of Bencher paddles was protocol on my part until the advent of the Straight Key Century Club back in 2006. I didn't hear about SKCC until some time in 2007, and my initial reaction was one of derision. After all, I didn't like the straight key in 1986 and 1987, so why would I suddenly take a liking to it 20 years later. As you might have guessed, however – the fascination led me to pick up the hand key again, and once again I find myself using a straight key – this time enjoying it. Now I find myself using it far more than the paddles, proficiently now.

This leads to my first line of critique of 10–10; we did not offer our first CW QSO Party until the weekend of 22 – 23 July, 1978, some 16 years after our founding. This is a hobby that was dominated by CW for so many years, and so many old school hacks like me who fought the codeless license at its inception, although my attitude toward the no code license has changed. My point of contention here is more the lack of participation and promotion than anything.

That point leads to another topic that needs to be addressed, and brings us to something I find noteworthy on a positive side. Like many, I was opposed to the no code license when it came upon us back in 1991. My concerns were that the standards upon which our hobby rests were being eroded, and that our bands would wind up sounding like 27 MHz. With the exceptions of 7.200 and 14.313, my fears have been unfounded, and even there, many of the offenders have been those who have passed a CW exam. In fact, I am now finding through the use of Facebook that many are now in fact learning CW, not because it is mandated but because they actually want to. While I do not know if I would have ever learned CW had I not been forced to, I find it a good thing that many are now picking up the key because they want to.

The issue here still remains however, that the bottom 300 kHz of 10 meters remains awfully quiet, except during contest season, most notably Field Day, the Sweepstakes and the 10 Meter Contest. While I find that SKCC is doing wonderful things bringing CW back to life, 10 meters still needs help in that regard. It is true that we are coming to the bottom of Cycle 24, and propagation has been nothing short of pitiful. With that said, E Skip can still make things exciting. For example, I have personally worked 7 DX Countries on 10 meters in February 2017 alone – Costa Rica, Curacao, Aruba, Uruguay, Argentina, Mexico and Chile – and I worked them all with 25 watts from an HTX 100 and a straight key!

My working those 7 countries does not mean that we are in the clear on 10 meters. Cycle 24 should be hitting bottom in 2019 – 2020, before heading back up toward the peak of Cycle 25. The bad news here is that NASA published a



story back in 2006 saying that Cycle 25 could be what they called “one of the weakest in centuries”. Sky and Telescope magazine echoed this claim back in 2013, in an article entitled “The weakest Solar Cycle in 100 years”.

This news, coupled with the rate at which 10–10 is losing chapters and a slowing rate at which new members are joining – I feel we have issues that need addressing. Granted, these predictions of Cycle 25 are just that – predictions, which does not mean they are a certainty, but they are worth looking at. The questions I feel we need to look at include how we keep 10 meters moving with declining membership and local chapters, including how we attract new members and keeping existing members on the rolls. In looking at our membership – yes, we have lost many to passing – that is, they have become silent keys. Others have simply not renewed their membership. The query here is why, and how to get these people to return to 10-10 and resuming operating on 10 meters. I also want to look at avenues to which we could attract people to the bottom end of the band, making it active in non–contest related activities.

In conclusion for this edition, I will offer up two resources that may help you in your operations on 10 meters. I know it is difficult to determine exactly when and where 10 meters is open. One is called DX Maps, and the other is the Reverse Beacon Network. DX Maps uses stations that are on the air, being heard by other operators. It allows you to look at the map and see what is being heard, and where. The Reverse Beacon Network employs similar tactics, but often uses what is called skimmers, remote stations that do nothing but monitor the bands looking for others calling CQ. This is then reported in a grid like fashion with the call, frequency, signal-to-noise ratio, speed (CW or RTTY), and the time. You can then dial up the frequency in question to see if you're hearing what the skimmer is hearing.

[www.dxmaps.com/spots/map.php?Lan=E&Map=NA&Frec=28](http://www.dxmaps.com/spots/map.php?Lan=E&Map=NA&Frec=28)

[www.reversebeacon.net/dxsd1.php?f=12](http://www.reversebeacon.net/dxsd1.php?f=12)

Lastly, I would like to hear from you all as to improvements and growth of 10-10. I can be contacted via snail mail, e mail, on Facebook or @wi9x on Twitter.

73,

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## COAX: THE SHORT STORY - PART II

Editor's note: Part 1 of the COAX story appeared in the Winter issue of this newsletter. This completes the article that L.B. Cebik (W4RNL) in a previous issue of this newsletter.

### WHAT CABLE TO USE

Determining the best cable for an application is a combination of cable characteristics and practical realities. While no absolute rules are possible, here are some scenarios and recommendations.

1. Mobile or portable: Since power will likely to be no more than 100 watts and cable runs will be under 35' in most cases, RG-58 should do the job.
2. High power contesting: Use RG-213 or better cable to handle the power and the longer cable runs to permanent antennas. One of the low loss cables may be in order if you use very high towers or antenna supports.
3. Moderate power, but over 65 years old: Consider RG-8X. It is lighter and easier to handle than RG-213, but has more power handling ability and lower loss than RG-58. (For every ten years of age over 40, also consider lowering your tower by 10' to a height you can climb.)
4. Coast-line or industrial area installations: consider some of the marine cables with their extra protection.
5. Buried cable installation: RG-213 (an improved version of the old RG-8) should work fine, but for minimum maintenance, consider one of the cables with greater resistance to chemical and abrasive wear.

Check at hamfests: sometimes a dealer will run a special on one of the marine or low-loss cables, bringing the price down to nearly the same as RG-213. I tend to avoid preassembled cables, since the crimped connectors are not as well-connected to the cables as carefully assembled regular connectors. However, I do use them for quick tests and for portable work. After a while, I end up replacing the connectors with soldered versions.

The UG series of connectors was made to be screwed together and unscrewed with ease, and to some degree, they depend on the abrasive effects of connecting and disconnecting to keep the center pin and the threads clean. If you use them at the antenna terminals, be prepared to disassemble and clean the connectors at least once a year, even if you use plenty of coax sealant to weather protect the connection.

### COAX PROBLEMS

There are two types of coax problems: mechanical and electrical.

Mechanical problems and maintenance: Nothing lasts forever (except love). Inspect your coax and connectors at least once per year or whenever you have any signal strength problems. Clean the connections and reseal them,



if outdoors. Wipe down the coax to remove dirt and chemical build-up. Try to install your coax as much in the shade as possible to reduce the rate of sun deterioration of the outer jacket. For buried installations, check for standing water around the cable and improve drainage if necessary. Be certain that you use plenty of support on vertical runs (for example, up the leg of a tower). Avoid long, unsupported horizontal runs: use a support rope to which the coax is taped at small intervals. Coax was not made even to support its own weight. Avoid tight corners: the fatter the coax, the larger the radius of a corner. (This also prevents deformation of the cable, which can change its electrical characteristics.)

After five years of outdoor use, replace your coax. It may have some good life in it, but the odds are that your signal strength on both transmission and reception has dropped as the aging cable ate more of the signal power. If you want to use the old cable, cut away and discard a few feet from each end, along with any segments with visible jacket damage. Then use the remaining cable for those shorter noncritical indoor runs of a few feet each. Or remove the jacket and extract the braid as a grounding strap. But keep your outdoor coax fresh.

Electrical problems and maintenance: Remember that the transmission line characteristics of the coax involved only the outer surface of the center wire and the inner surface of the wire mesh. The wire mesh also has an outer surface perfectly capable of conducting HF electrical energy. In fact, it can act just like an antenna in parallel with your "real" antenna. That phenomenon can ruin the performance of your system (unless it is designed into the system, as in some wire antenna schemes). Hence, you need something to isolate the outer surface of the coax from the antenna currents. Many beam manufacturers already provide a "balun" or "line isolator" to take care of the potential problem. If your system does not have one, consider purchasing a 1:1 current balun or W2DU-type choke balun to install between the antenna terminals and the coax run.

I also take one other precaution. Instead of running one piece of coax from the antenna terminals to the rig, I use several. The first goes from the beam terminals (actually, the choke balun) to the mast, around the rotator with a large strain-relief loop, and down about 8 feet along a tower leg. I have grounded my tower legs as best I can, and I have plate on the leg with a bulkhead (double female) coax connector. The first length of coax ends here and the second begins. Electrically, the tower and the outer coax braid surface are at the same potential. The second coax length goes to another plate installed where the coax enters my home. At this weather protected point, when weather threatens, I can move the coax from the house run to a plate with coax connectors and a long pipe into the soil. Keeping heavy charges outdoors is my goal, especially when I am on vacation. This measure protects my home. A third run goes from

the home-entry plate to a plate at the edge of my operating table. Routinely, whenever I am not on the air, the coax, ground strap, computer connector, and AC cord to the station are all completely disconnected, so that the station is isolated from any electrical dangers. This measure protects my rig. For normal operation, short lengths of coax from the plates to my antenna tuners and rigs complete the connections.

Do I get some losses from having so many coax connectors? Probably a little. But so far, in 40+ years of operating, I have had no problem with static charge build up on the antenna, power line surges, ground surges, or other weather- and thunderstorm-related problems.

Coax makes a very effective transmission line, but its effectiveness depends on sensible selection, thoughtful installation, regular maintenance, and timely replacement. You might want to check out your transmission lines before the sunspot numbers take your mind off everything except operating.

### MEMORIES OF AN OLD ANTENNA PROJECT

In the January 2017 Issue of Ten-Ten news, you had a neat article about a very old concept of antenna building which really brought back some memories for me and my wife.

Exactly 50 years ago this month, I went to the FCC office in Norfolk, Va. and took the General amateur radio test. After I got licensed in March 1967, I sat in front of my first ever HF rig, a used Heathkit HW-32A, 20 meter, single band transceiver, for over a month after I got my license. We had set the rig up on a card table in the corner of our bedroom. I knew absolutely nothing about building an antenna but, managed (with a lot of help) to construct a 20 meter dipole and had the neighbor kid help me put up in a couple trees in the back yard.

Basically, I was drop dead scared to even touch the microphone. I sat and listened every day to the Maritime Mobile Service Net which had just started up that spring and of which I had recently become a great fan of. I was in the Navy and stationed aboard the USS Boxer out of Norfolk, Va., and had been introduced to ham radio by a young Electronics Tech who set me up with a "phone patch" back home while on a four month deployment to the Caribbean Sea. After about a month, I finally worked up enough courage to press the mike button and let "Chaplain Robertson" (net control) know that I was there.

After the next deployment to the Caribbean on board the USS Guadalcanal, my friend and fellow ham on board the ship, Steve WA4YVQ had mentioned something to me about building a "ZL Special" antenna.... I had absolutely no idea what the heck he was talking about. Apparently he had read something about this project in QST or some other writings (maybe the article referred to above). We finally "kinda" figured out how to build the thing.

I started out in my carport. I had purchased two, sixteen foot long 2x4's, an 8 foot 2x4 and some screws and bolts. The hardest thing to find was four, very skinny bamboo poles long enough to make up the elements. I finally found a "carpet dealer" down the street that had a whole pile of the "darned stuff" he complained. At that time, most carpets came out of the factory rolled up on a "bamboo pole". Some could be long and "skinny" and some were larger and way too big for what I wanted.

I built the H-frame with the 16 foot 2x4's and cut the other 2x4 for the crossbeam. The bamboo poles were fastened to the top side of the H-frame of the ZL special to make up the length that we needed. The antenna was a "full-size", 20 meter antenna. That means the two elements were in excess of 32 feet long, tip to tip. I don't remember exactly what the dimensions were. It's been 50 years ago. hi... The two elements, made with TV flat-twin lead wire, were 180 degrees out of phase.

In order to be able to mount this thing up on our roof, I built a 6 foot tall "tower" out of four pieces of 2x4 and 1x4 lumber. Used a piece of plywood for the top with a 2 inch hole drilled through it for the pipe mast. The bottom of the 2 inch pipe mast was set into a 2 inch bearing which I also purchased at Sears and mounted another piece of plywood at the bottom, inside the tower to keep it all centered... It worked fine but....

And now, how to rotate this monstrosity. It's sitting up on the roof, over 32 feet from tip to tip and our house was just a bit over 40 feet long at the peak of the roof. You can well imagine what this thing looked like sitting up there on that 6 foot wooden tower, like a big spider about ready to pounce on the house. Being as long as it was, the ends drooped almost 2 feet down from the center. I had locked it into position pointing mostly north-east because that's where most of our Navy ships were putting out phone patches for the ships crew members, the North Atlantic and Mediterranean Sea.

I didn't like that too much because there were other ships and stations in other parts of the world that I wanted to work. I had to be able to rotate this thing!

One day, I walked out into the carport and.... there it was! I had recently backed over one of my kids tricycles...(NO, the kid wasn't on it at the time...!) I went down to Sears and bought a 10 inch belt pulley, mounted that to the bottom of the mast pipe inside the tower, took the front forks off the beat-up tricycle and cobbled up a way to fasten it to the wall of the house outside our bedroom window. I ran a half inch nylon rope around the now bare wheel of the tricycle, up to the roof edge where I had mounted a wooden bracket with two small pulleys on it for the rope to glide over the edge of the roof and up and around the pulley inside the tower....! Wallaaah...! It worked...! All I had to do was slide the window open, reach out and crank the tricycle wheel which pulled on the rope that turned the antenna on the roof.

Wasn't long and I made up an indicator for direction and fastened that to the side of the window with a pointer taped to the rope... As I cranked the wheel, the pointer would move up or down and indicate to me which direction the antenna was pointed in. And it worked like a dream! One afternoon, a friend who lived down the street about three blocks (Norm, K4FQX) and I were working a ship in the Med. Norm had a 40 foot tower and a beam of some sort, don't remember and running a kilowatt of power. I am running my "used" HW-32 barefoot into my ZL Special and the maritime mobile said that we were running basically the same power reading on his S-meter. You can say all you want about the performance of this antenna but, I know for a fact that it worked GREAT.

When we left Va. Beach in Dec. 1968 and moved to Rush, NY (near Rochester), we disassembled that whole thing, the movers took it to New York and we reassembled it and, put it up on a 30 foot piece of pipe. But this time, we purchased a cheap TV rotator to turn it. We were there for just over a year and it worked fine... Ice, wind and 10 below zero...

When the Navy moved us out of there to Newport, RI for our next duty station Feb. 1970, as we were taking the antenna down, (I'm three stories up hanging over the roof) I lost my grip on the pipe and it came crashing to the ground.! End of story for my 20 meter ZL Special. We piled it all up in a corner and left it there...

The sad ending to this is; when we were moved by the Navy movers either on this move or on to Norfolk, Va. a couple years later, some boxes and other things were stolen from the moving van and all the pictures of this story were lost. It was a great start for a ham career that has taken us through 47 of these United States and many other "rewards" and the best of all, all the friends we have made on the way.

Don AE3Z #8367



**VOX OPERATED RELAY**

Many Transceivers have a PTT line that goes to ground for transmit.

But when the transceiver is used for PSK, or some other mode that is generated by a computer; audio to transceiver input may not trigger the PTT line; as the case on my Yaesu FT-950.

Using the audio output from my computer to the Input to the "RTTY/PKT" rear connector on my Yaesu FT-950, this connector also requires a PTT control.

With a homebrewed Tee connector for the audio line, I applied audio to the Input of the VOX circuit and the "RTTY/PKT" connector.

Audio input level to the VOX circuit is controlled by the 10K trimmer which is fed to the LM386 amplifier.

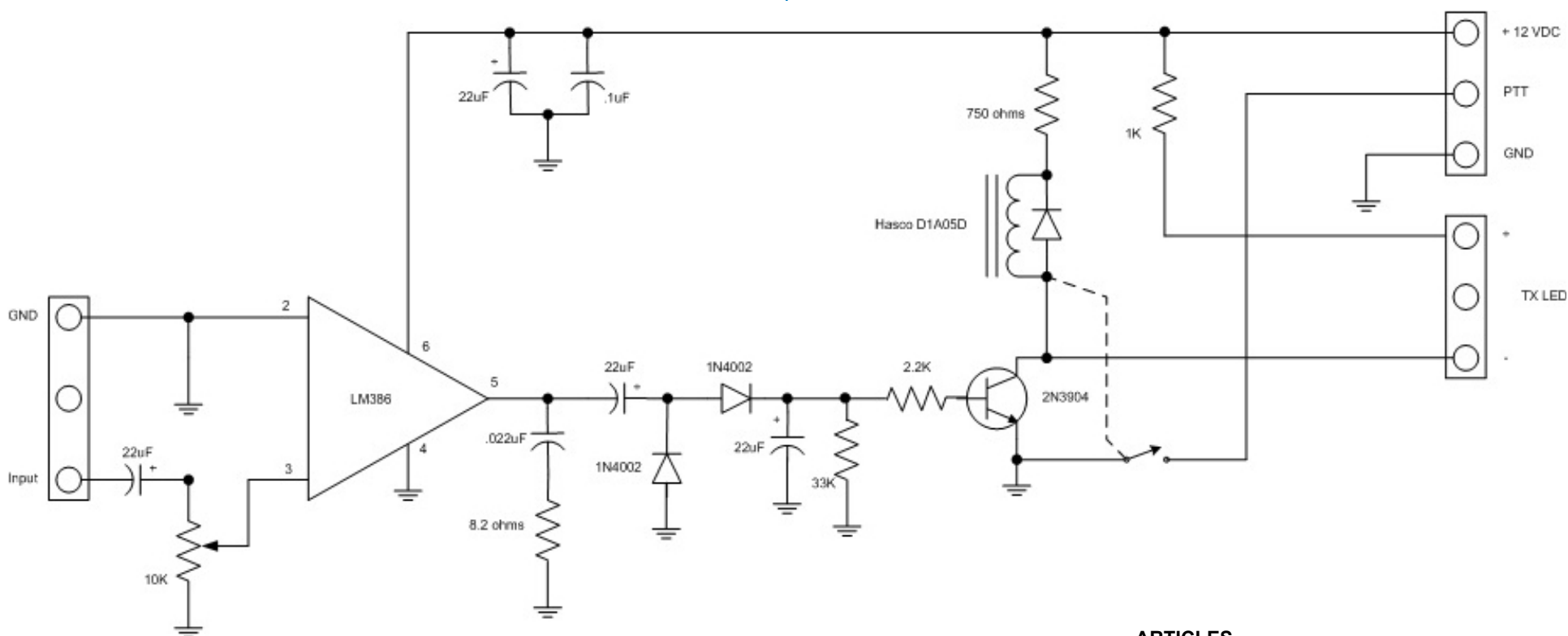
The output of the LM386 is converted to a DC voltage by the 1N4002 diodes, and the 22uF capacitor. The "delay time" for the end of TX time is controlled by the 22uF capacitor and 33K resistor. The positive going level turns on the 2N3904 transistor, which causes the relay to actuate closing the internal N.O. SPST switch bringing the PTT line to ground.

All resistors are ¼ watt, and the capacitors are rated at 50 VDC. The relay is a Hasco D1A05D, with an internal diode. Power can be supplied by any 12 VDC source.

Layout is not critical, but should be in a shielded enclosure. Use what you have in the junk box, and enjoy building this simple station accessory.

73

Charlie Rankin, WA2HMM #40510

**ARTICLES**

There is always a need for articles in the News. There have been a couple requests for Do-It-Yourself articles. If you have something you would like to see in print please feel free to submit it. The most popular articles seem to be those relating to antennas, DIY projects, and kit building. Send your submissions to [editor@ten-ten.org](mailto:editor@ten-ten.org).

## WOULD YOU LIKE TO JOIN 10-10?

### *Here is what you need:*

1. You must hold a valid amateur operator license.
2. Your valid amateur operator license MUST authorize or qualify you for unsupervised transmitting operations in the ten meter amateur band under your own personal call sign.
3. You must make contact with ten members of 10-10 and submit a log listing all contacts, their 10-10 number, call sign, name (as received off the air), date of contact, and QTH (state/province/country). The contact form and membership application is provided on the page that follows.
4. You must remit dues for one or more year's full membership. Fee schedule and payment information can be found in Section 2 of the page that follows.

## TYPES OF MEMBERSHIPS

To become a member either fill out the form on the following page and mail to the Data Manager at the indicated address or go on-line to the 10-10 web page, [www.ten-ten.org](http://www.ten-ten.org) and follow the links from 'membership' to 'application' and select membership category.

### *Primary Membership*

Primary membership is available with yearly dues, although there is a special incentive available when you pay for three years at once.

### *Family Membership*

Family membership consists of a primary member and one or more family members who qualify as a 10-10 member (has made the necessary 10 contacts) and who reside at the same location and postal address. Family memberships run concurrently with that of the primary member. Add \$5.00 for each additional family member for each year. Only the primary member will receive a copy of the 10-10 News.

### *Life Membership*

Life membership is available and may be paid in one lump sum or spread across two or three years. For information refer to the "Life Membership Application" form on the web or contact the 10-10 Data Manager.

### *Senior Life Membership*

Senior life membership is available to anyone who is currently 65 years of age or older. Payment can be made as one lump sum or within a one year period. For information refer to the "Life Membership Application" form on the web or contact the 10-10 Data Manager.

*Family Life Membership* is no longer available

### *Club Membership*

Club membership is available to any Amateur Radio Organization which holds a valid Amateur Radio License. Application must be made by the club trustee. Dues are the same as the Primary member. No family or life memberships are available. Clubs have all the same rights and privileges as primary members except the right to vote in elections.

### *Electronic Membership*

Electronic Membership is available to anyone who qualifies for any of the types of membership listed previously. Electronic membership means that all communications, including the 10-10 NEWS, from 10-10 to the qualifying member will be conducted via email distribution. The exception to this policy is when a member qualifies for a certificate from either one of the various QSO Parties or from one of the Awards programs.

## MEMBERSHIP RENEWALS

Either fill out on the following page the top half of Section 1, including your 10-10 number and Section 2 and mail to the Data Manager at the indicated address or go on-line to the 10-10 web page [www.ten-ten.org](http://www.ten-ten.org) and follow the links from 'membership' to 'renewals' and select the membership category.

## DATA MANAGER SERVICES

### *Call/Name/Address Changes*

All changes are to be sent to the 10-10 Data Manager. Please include your address label (or a copy) with necessary corrections. This also can be accomplished at [www.ten-ten.org](http://www.ten-ten.org) using the membership/update link.

All payments may be made by Check, Money Order or IRC's (\$1USD per IRC). Due to banking regulations Credit Cards cannot be accepted for merchandise. Membership Services and Scholarship Donations can be made via credit card using the secure shopping cart at [www.ten-ten.org](http://www.ten-ten.org)

Mail to:

**Data Manager, 10-10 International Net, Inc.**  
**1349 Vernon Terrace**  
**San Mateo, CA 94402-3331**

### *SCHOLARSHIP DONATIONS*

Donations to the 10-10 Scholarship Foundation are encouraged by our members to help fund five \$2000 10-10 Scholarships that will be awarded next year. For donations of \$15 you will receive a current year's lapel pin as a thank you gift, and for \$25 or more a second pin from a previous year will be sent. To pay by credit card, see the payment information on page 31. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

**Larry Berger, WA2SUH**  
**10-10 Scholarship Manager**  
**9 Nancy Blvd.**  
**Merrick, NY 11566-3119**



## TEN-TEN QSO PARTY RULES

## 5.2 10-10 QSO PARTIES

10-10 QSO Parties are events that are held for fun and to meet old, new and prospective members around the world. The rules listed here are for all general QSO parties. The Spirit of 76 and Open Season QSO Parties are specialty events and do have additional rules. The Anniversary and Meet the Volunteers are year long contact events.

## 5.2.1 WHO IS ELIGIBLE?

QSO Parties are open to all amateurs with operating privileges on the 10 meter band, however, logs will be accepted only from active members as of the date of the event with the following exception: Open Season event logs will be accepted from all amateurs. Other logs received will be handled as check logs. Check logs are used to validate (check) other logs, but do not qualify the sender for any awards. A QSO party contact log submitted by an Amateur that intentionally submits erroneous contact information to cause errors on membership applications and awards, will be considered an invalid log. Ten-Ten will not accept any log of contacts from an Amateur who had his or her membership/1010 number revoked.

## 5.2.2 WHEN ARE THE QSO PARTIES?

There are currently nine QSO Parties held throughout the calendar year:

**Winter Phone** - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

**Spring Digital** - held on the last full weekend in April.

0001 UTC Saturday through 2359 UTC Sunday.

**Spring CW** - held on the first full weekend in May.

0001 UTC Saturday through 2359 UTC Sunday.

**Open Season (PSK)** - held on the first full weekend in June

0001 UTC Saturday through 2359 UTC Sunday.

**Spirit of 76** - 7 day, 6 mode event around 4 July each year

0001 UTC Monday through 2359 UTC Sunday.

**Summer Phone** - held on the first full weekend in August.

0001 UTC Saturday through 2359 UTC Sunday.

**Sprint** - a 24 hour event held on October 10th (10-10).

0001 UTC through 2359 UTC.

**Fall CW** - held on the third full weekend in October.

0001 UTC Saturday through 2359 UTC Sunday.

**Fall Digital** - held on the second full weekend in November.

0001 UTC Saturday through 2359 UTC Sunday.

## 5.2.3 FREQUENCY AND MODES

Direct unassisted contacts only are permitted. Repeater, Satellite, IRLP, Echolink, or any other similar type of assisted contacts are NOT allowed. Based on the appropriate band plan for the country of operator, CW QSO Parties should be operated in the CW area of the 10 meter band and operated using CW only. Digital QSO Parties should be operated in the digital area of the 10 meter band and operated using Digital modes only (RTTY, PSK, etc). Phone QSO Parties must be operated in the PHONE area of the 10 meter band and may be operated using any approved method (SSB, FM, AM). The SPRINT utilizes all operating modes in the 10 meter band. NOTE: A QUIET ZONE between 28.490 and 28.510 shall be in effect during QSO Parties using the Phone portion of the 10 meter band to allow for others to use the band.

## 5.2.4 ENTRY CLASSIFICATION

Entrants may submit a log in ANY of the following classifications:

**INDIVIDUAL:** Includes single station operators and can also include OM/XYL teams or any families or groups of people using individual call signs and 10-10 numbers.

**QRP:** same as an individual as listed above except that output power does not exceed 5 watts with CW/Digital operations and/or 10 watts with Phone operations during the entire event.

**CLUB:** A Club must have a valid club station license issued by their National Licensing Authority and must have an active 10-10 membership. Club entries must list the call, name, and 10-10 number (if any) for all operators using the club call. Club operations will take place at one location using one set of equipment. Operators entering under a club entry may also enter an individual log for contacts made using their own call sign.

**MOBILE:** A mobile applies to car, truck, RV, motorcycle, boat, airplane or other mode of transportation. Use of a base station antenna, amplifier or commercial power is not permitted. Operation while your vehicle is parked across a county line, occupying two counties, counts as two counties and two contacts. Marine and aeronautical mobiles must be able to establish counties of operation. Safety is paramount while operating mobile. If you are unable to park near multiple county lines due to safety issues (i.e. on a bridge, on a freeway, etc.), please move to the closest area which would provide the best operating conditions and still be able to give out multiple counties. Duplicate entries are allowed when working in multiple counties. In addition to the normal log information provided the County Worked from and County worked must also be included. Mobile stations will receive awards within their own category and will not be included in the individual sections or Top Ten in the World. Mobile entries will only be accepted for Winter & Summer Phone and 10-10 Sprint QSO Parties.

## 5.2.5 TRANSMITTER INFORMATION

An operator may operate mobile, portable or fixed. If they change their exchange QTH during the QSO Party, the operator must show same in their log. The operator may enter a log from one call district, province, or DX country. Multi-transmitters (two or more transmitters operating simultaneously, sharing one call sign) are NOT permitted in any QSO Party. If a single transmitter becomes inoperable, it is permissible to change to a replacement transmitter.

## 5.2.6 EXCHANGE

10-10 members send call sign, name, 10-10# and QTH (State, Province or Country). If received exchange does not have a 10-10#, then record a zero(0) in the log.

## 5.2.7 QSO POINTS

Two (2) points are awarded for contacts WITH a 10-10 number. One (1) point is awarded for contacts WITHOUT a 10-10 number. Duplicate entries should be retained in log and show a zero (0) for points. Any log showing 10% or more errors may be handled as a check log. A station may be counted only once regardless of mode except during certain specialty events.

**5.2.8 CHAPTER SCORE ASSIGNMENT**

Any entrant who is a chapter member and whose operating location is within 150 miles of the primary net location of that charter, may assign the entrant's score to that chapter. QSO Party scores for the Sprint may not be assigned.

**5.2.9 QSO PARTY ENTRIES**

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR Mail to ensure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a check log. Any logs received more than 15 days after the entry deadline, regardless of postmark, will be discarded. All logs may be sent via Email. Logs (if cabrillo, adif, or text) may also be uploaded at [www.hamclubs.info/scorer/](http://www.hamclubs.info/scorer/). Please no .Q95 files.

**5.2.9.1 ENTRY DESCRIPTION**

Entries must contain a Cover Sheet, Log and Dupe Sheet as described here: COVER SHEET will list the Event Entered, Entry Classification, US Call Area (W0-W9 or DX Country), Chapter Score Assignment (if any), number of contacts and points with 10-10#, number of contacts and points without 10-10#, and total contacts and points claimed. LOGS must be listed in date/time order and list UTC Date, UTC Time, Call, Name, 10-10# (zero (0) if none), QTH and Contact Point Value. A DUPE SHEET is required for any logs exceeding 50 contacts. It may be either a list of all calls contacted in call sign order or hand entered on a dupe sheet grid.

**5.2.9.2 ENTRY DEADLINES**

Entries for all QSO Parties listed EXCEPT the Sprint shall be postmarked no later than 15 calendar days (this will always be a Monday) after the close of the event. Mailed entries for the Sprint (held on 10/10) shall be postmarked no later than October 25th, unless that day falls on a Sunday, then the postmark deadline shall be October 26th.

**5.2.10 QSO PARTY RESULTS AND AWARDS**

QSO Party results will be posted on the 10-10 web site about 15 days after the closing deadline for the event and also printed in the 10-10 NEWS in the appropriate issue. Awards will be issued by the certificate manager for Top Ten Individual scorers in the World, the top individual scorer in each US Call Area (W0-W9), each DX Country, and for top QRP, CLUB, MOBILE and CHAPTER. Electronic certificates will be sent to the 2nd and 3rd place scorers in these categories.

**5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS**

These events run from January 1 0001 UTC to December 31 2359 UTC. In the Anniversary event, entrants may submit a log of contacts with members that have the anniversary year contained in their membership number. Example: 2010 is the 48th anniversary year of 10-10 International Net, Inc. Contact with members containing a "48" in their membership number (i.e., 72048, 69485, 64854, 48126, 00487) would count toward the event. Each year the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band. All general rules are applicable with the following exceptions: During the calendar year (January 1 through December 31) make legal 10-10 contacts with 10-10 Number, Date, Call Sign, QTH with members containing the anniversary year in their membership number as described above. In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is

permitted, regardless of mode of contact. In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.). All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call, Name, QTH and Mode, in that order. These events are for Individual entries as described in section 5.2.4 and certificates will be awarded for the TOP Ten, however all entrants will be listed in the 10-10 NEWS. Logs MUST be postmarked no later than January 15th of the year following both the Anniversary and Meet the Volunteers events. Only members in good standing (with dues paid) are allowed to submit logs.

**5.2.12 SPIRIT OF 76 (7 Days, 6 Modes) QSO PARTY**

This event will run for 7 days and be around July 4th of each year. Make as many contacts as you can during the week using 6 modes. The modes that will be used are as follows as well as the suggested frequencies to monitor:

1. USB (28.345) 2. RTTY (28.086) 3. CW (28.050)
4. FM (29.600) 5. PSK (28.120) 6. AM (29.000)

Scoring will be as normal for QSO Parties, 2 points for members and 1 point for non-members. Dupes will be allowed once for each mode. It will be possible to work the same call 6 times in each of the various modes for a maximum total of 12 points per call. All other normal rules apply. Logs shall be forwarded to the QSO Party Manager.

**5.2.13 10-10 SPRINT (October 10) QSO PARTY**

An award will be issued for working all 10 USA Call Districts.

**5.2.14 W6OI/VE9TEN/DL0X SPECIAL EVENT**

This event is held during the 3rd weekend of November each year from 0001 UTC Saturday through 2359 UTC Sunday. This special event operation is where volunteers operate the 10-10 official club stations (W6OI/VE9TEN/DL0X) seeking to work anyone anywhere. Any mode of operation is permitted. Many operators will be authorized to operate W6OI from most US states and VE9TEN from various Provinces/Territories simultaneously. DL0X is operated by Henry, DL8YBM. The purpose is to have fun promoting 10-meter activity making contacts with 10-10 members and of course, non-members. This is a great way to increase membership! Exchange is similar to any 10-10 party event - name, call, QTH, 10-10 number if one is available. As contacts are made, provide info on 10-10 organization and where to find our website - [www.ten-ten.org](http://www.ten-ten.org). If anyone wants to volunteer to operate W6OI during this event contact Jerry, N9AC. Members in Canada should contact Rob, VE9KM for permission to operate VE9TEN.

**5.2.15 FOR MORE INFORMATION**

Current information about 10-10 and upcoming 10-10 QSO Parties and events are always available on the 10-10 web site. Cover sheets, logging forms and dupe sheets are also available for downloading or printing at <http://www.ten-ten.org>. Any unanswered questions regarding the QSO Party rules may be forwarded to the QSO Party Manager.

# 2017 10-10 QSO PARTY COVER SHEET

Event	Dates	Postmark	Event	Dates	Postmark
Winter Phone	Feb. 4-5	Feb. 20	Summer Phone	Aug. 5-6	Aug. 14
Spring Digital	April 29-30	May 15	Sprint	Oct. 10	Oct. 18
Spring CW	May 6-7	May 22	Fall CW	Oct. 21-22	Oct. 30
Open Season	June 3-4	June 19	Fall Digital	Nov. 11-12	Nov 20
Spirit Of 76	July 3-9	July 24	Anniversary (55)	Jan. 1 - Dec 31	Jan. 8
			Meet the Volunteers	Jan. 1 - Dec. 31	Jan. 8

Name \_\_\_\_\_ Call \_\_\_\_\_ 10-10# \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Province/Country \_\_\_\_\_ Zip \_\_\_\_\_

Your e-mail address (for contest questions only) \_\_\_\_\_

## PLEASE LIST CONTEST EXCHANGE

Call \_\_\_\_\_ Name \_\_\_\_\_ 10-10# \_\_\_\_\_ QTH \_\_\_\_\_

### ENTRY TYPE

- ☐ **INDIVIDUAL**
- ☐ **QRP** 10 watts or less Phone,  
5 watts or less CW/ Digital
- ☐ **MOBILE** See QSO Party rules.
- ☐ **CLUB** Only for those operating  
as a Club Station. If Operating under  
a Club call, please list all operators and  
their 10-10 numbers (if any) on the log.

**US Call Area (W0-W9)  
Or ARRL DX Country  
You operated from**

**Chapter Assignment**  
(Not valid for Sprint)

### Claimed Score

Contacts WITH  
10-10 Number: \_\_\_\_\_ x2= \_\_\_\_\_

Contacts WITHOUT  
10-10 Number: \_\_\_\_\_ x1= \_\_\_\_\_

Total  
Contacts: \_\_\_\_\_ Total Pts \_\_\_\_\_

All submissions must contain this cover sheet (or a reasonable facsimile), the log in UTC Date/Time order,  
And a Dupe Sheet (if more than 50 contacts) in call sign order or in grid format.

**Mail to Dan Morris, KZ3T, 3162 Covington Way, Lenoir NC 28654, USA**

**Logs may be emailed to [tentencontest@ten-ten.org](mailto:tentencontest@ten-ten.org). Members are encouraged to upload logs at the KJ4IZW con-  
test scoring web site: [www.hamclubs.info/scorer](http://www.hamclubs.info/scorer).**