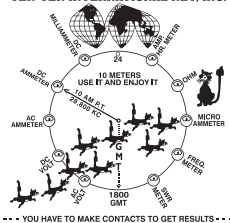


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**

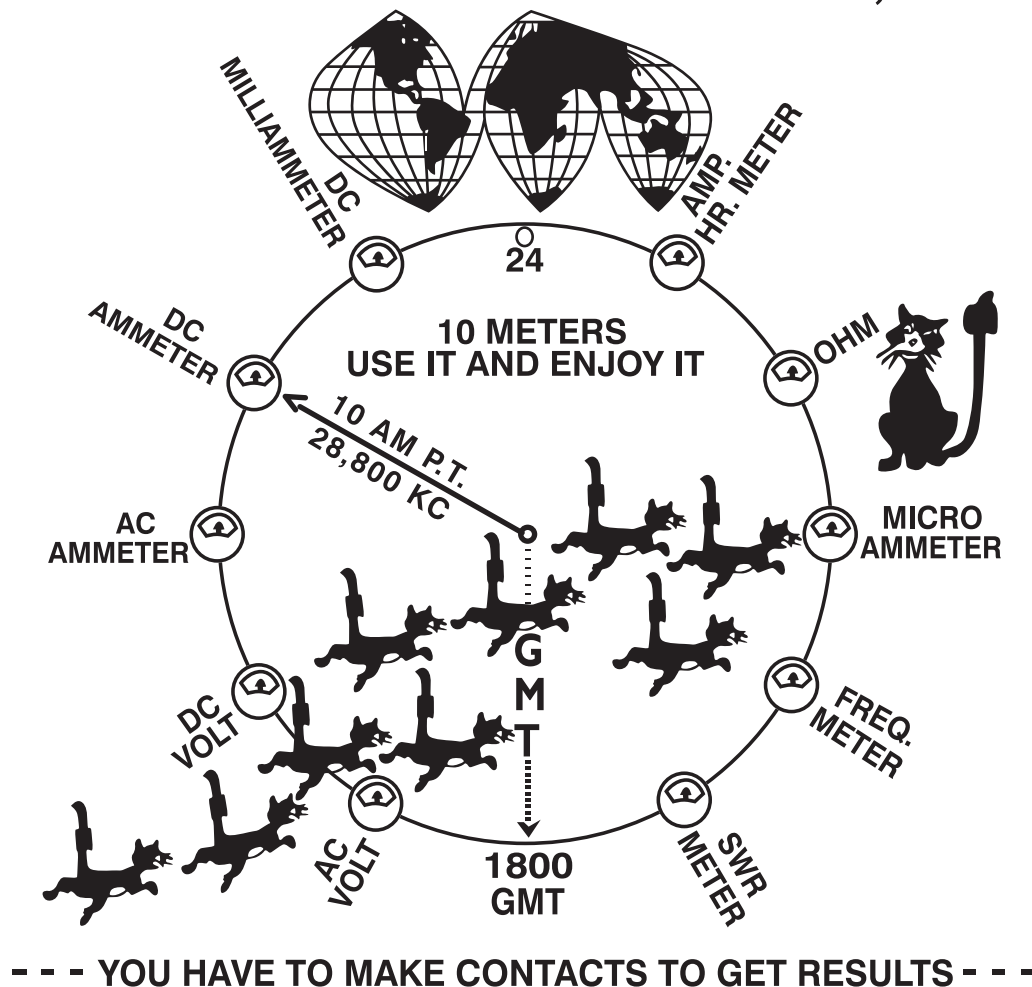


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The Ten-Ten International News

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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 2018

PLEASE MAIL ALL ARTICLES AND PHOTOS TO:

EDITOR Ten-Ten News

E-mail: 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

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OFFICERS AND DIRECTORS

President

Terry Webb, N0TW, #36547 (2018)
 1103 Fulford Road, Monticello, FL 32344-4352
 (614) 216-5334 n0twterry@yahoo.com

Past President

Mel Sojka, KD5DE #33513
 353 Atlantic Ave., Shreveport, LA 71150-2909
 (318) 861-7012 kd5de@ten-ten.org

Vice President

Josh Long, W9HT #72151 (2018)
 8725 Edwardsberg Pl, New Haven, IN 46774
 (260) 749-9851 drioshlong@gmail.com

Secretary

Kevin Gilot, NZ1I #72759 (2018)
 56 Cindy Lane, Mystic CT 06355-1404
 (860) 572-6086 kevinemtd@sbcglobal.net

Treasurer

Keith Schlottman, KR7RK #63324
 6206 E. Pima St., Suite #2, Tucson, AZ 85712
 (520) 290-5883 keith@schlottmancpa.com

Directors

Robert L. Farrow, N6OPR #45715 (2020) - Daily Nets
 23417 S 180th Street, Gilbert, AZ 85298
 (562) 631-1393 n6opr@msn.com

Gregory Malone, WA3GM, #46927 (2020) - QSO Parties
 PO Box 82, Cheltenham, PA 19012
 (267) 249-0135 wa3gm@yahoo.com

Paul Hemby, WN4AMO #73825 (2020) - Publicity
 40601 Thomas Boat Landing Road, Umatilla, FL 32784-9702
 (386) 837-6101 pheby@hotmail.com

Marcus Lieberman, KM5EH #71103 (2018) - Awards
 2300 Hurley Dr. NW, Albuquerque, NM 87120-1013
 (505) 836-1724 buckml@lobo.net

Roger Olson, AD4RX #67754 (2018) - Publications
 1032 Anclote Dr., Tarpon Springs, FL 34689-2015
 (727) 934-5243 ad4rx@ten-ten.org

Jim Fox, KA0ZPP #43428 (2018) - Chapters
 PO Box 135, Mayhill, NM 8839-0135
 (575) 687-2448 ka0zpp10ten@gmail.com

NET OFFICIALS

Certificate Manager

Ruth Bartholomew, N0KDB #48715
 1043 Franklin Court, Sullivan, MO 63080-5502
 (573) 468-2898 or (314) 479-5474 n0kdb@fidnet.com

Chapter Coordinator

Jim Fox, KA0ZPP #43428
 PO Box 135, Mayhill, NM 8839-0135
 (575) 687-2448 ka0zpp10ten@gmail.com

Data Manager / Supplies

David Smith, K6RDK #65812
 1349 Vernon Terrace, San Mateo CA 94402-3331
 (telephone no. not available) membership@ten-ten.org

Editor 10-10 International News

Randy Mather, AJ7B #7675
 9625 101st Ave NE
 Arlington, WA 98223 editor@ten-ten.org

Net Manager

Robert L. Farrow, N6OPR #45715
 23417 S 180th Street, Gilbert, AZ 85298
 (562) 631-1393 N6OPR@msn.com

QSL Bureau Manager

Jim Stoeber, WI9X, #49635
 8829 Bermuda Ave., Caseyville, IL 62232
 (618) 560-7098 wi9x1989@yahoo.com

QSO Party Manager

Dan Morris, KZ3T #41015
 3162 Covington Way, Lenoir, NC 28645
 (828) 728-5049 dbmorris315@gmail.com

IT Manager

Jeff Steinkamp, N7YG #65084
 6765 E. Rosewood Cir., Tucson, AZ 85710
 (520) 546-2290 n7yg@n7yg.com

Scholarship Manager

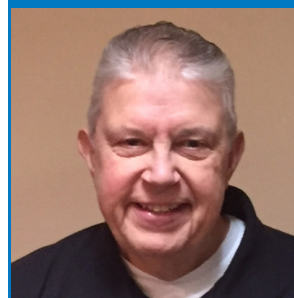
Larry Berger, WA2SUH #00407
 9 Nancy Blvd., Merrick, NY 11566-3119
 (516) 223-4611 wa2suh@aol.com

SK Manager

Mark Steele, KD2NOM #48715
 1 Karen Court, Monroe Township, NJ 08831-4037
 (732) 213-0159 kd2nom@gmail.com

W6OI Station Trustee

Jerry Kopstein N9AC #61453
 8041 W Lakeshore Drive Burlington, WI 53105
 (262) 661-9094 treismine2@yahoo.com



From the Editor

Randy Mather, AJ7B
 (#7675)

You will notice that this issue of the newsletter is four pages less than previous issues. Of course one reason is the lack of activity on the 10-meter band. There are fewer QSO party entries and fewer awards handed out. Unfortunately chapter activity has dropped and there are fewer chapters now. Keeping 10 meters active is a challenge under the present conditions. But I am sure the 10-meter die-hards will keep trying to reach out and touch someone with RF. I think we would all be interested in hearing how much success operators have keeping 10 meters alive.

In this issue you will find two stories acknowledging the dedication of two 10-10 members toward the 10-10 International Net: The 2018 President's award and the 2018 Net Control Station of the Year award. Both well deserved in my opinion. My congratulations to both members.

It's always great to hear from the readers of this newsletter. Just below is a letter from Marv, K4KEW #15050. Glad to hear you got something useful from this newsletter.

Dear Editor,

I appreciate the informative article by WA2HMM on FT8 in the October (Fall) 2017 issue of TEN-TEN INTERNATIONAL NEWS. Indeed, the new mode of FT8 has become very popular over the past few months. So much so that I hardly hear any CW or SSB on the bands these days. The Fall issue of TEN-TEN INTERNATIONAL NEWS is full of complaints on how poor the conditions on the ten meter band are.

Maybe the conditions are not so bad. A visit to 28.074 MHz would reveal so much activity that is sounds like 20 meters on Field Day! This afternoon, for example, I visited 28.074 and, using WSJT software, decoded:

PU2NTA
 CE3EPN
 CX3ABN

LU6HWT
 WB6POT

While CW still is my favorite mode, there is no doubt that FT8 has created more excitement on ten meters than I have seen in years!

73 Marv K4KEW #15050



From the President

Terry Webb N0TW
#36547

Here in the South we are already welcoming Springtime. Many of my ham friends are adding new antennas or repairing damage caused by Winter storms. Some are working new countries to add to their DXCC totals.

By now you have probably heard the 3Y0 Bouvet Island DXpedition had to be canceled. The boat made it all of the way to the island only to have rough weather conditions force the DXpedition to be canceled. This would have been a good DX station to contact – even better if it could have been on 10 meters with a Ten-Ten number! I needed this one for my DXCC countries total so I will have to wait till the next scheduled visit.

During Feb. 9th to the 11th, several Ten-Ten members manned the booth at the Orlando HamCation. This included, WN4AMO, WA3GM, AD4RX, and N0TW and XYL. We had 94 members sign the logbook. Our oldest member was W4RBO #485 and the newest member was N4BLH #77539. There was lots of interest shown in the 10 meter band with many members asking, “When are we gonna fix the 10-meter band”. HamCation set a new record this year with over 23,000 in attendance. This event is usually held under great weather conditions and this year was no exception. It was nice to run around to various buildings in short sleeves.

One thing that I tried to stress at HamCation is the fact that Ten-Ten sponsors FIVE \$2,000 scholarships for radio amateurs, each year. These scholarships are managed by FAR, the Foundation for Amateur Radio. Larry, WA2SUH is the Ten-Ten Scholarship Manager and Larry does a great job in this position. Ten-Ten has elected to go ahead and fund the 5 scholarships this year even though our contributions may leave us a bit short. I am very pleased with this aspect of our organization as I appreciate and value education. If you know of a ham needing help with a scholarship, download an application from the FAR website: <http://www.farweb.org> or request an application from: FAR Scholarships, P.O. Box 911, Columbia, MD 21044-0911

The Dayton/Xenia Hamvention is coming up on May 18th to May 20th. Their theme this year is “Amateur Radio – Serving the Community”. Ten-Ten will be at Xenia and will be in Booth #3810. This was the same location that we had last year and was very good – we were just across the aisle from “The

Wireman”.

The Xenia location was very nice. Buildings were all very clean and there was a good assortment of food vendors. The hamfest committee has announced that they will have even more food vendors present at this year’s event. Perhaps the biggest complaint was the traffic flow to get into the hamfest. This year, local police will aid in making traffic flow even better.

You will notice on other pages of this newsletter that elections will be held later in 2018. Up for nominations are: President, Vice President, Secretary, and three Director positions. We now use on-line teleconferencing to conduct our business meetings which allows members who are physically unable to travel to serve. This not only saves Ten-Ten money with not having to pay for travel expenses, it also allows physically impaired individuals to now serve in various capacities. So, please put on your thinking caps to recruit potential candidates to run for the open Ten-Ten positions. The jobs are not that difficult and the pay is tremendous (zero, hi hi).

We have a new SK manager, KD2NOM #77596, Mark. Mark took over for Ruth, N0KDB who has served in this position for many years. You will also see that Ruth N0KDB was awarded the 2018 Ten-Ten President’s award.

You may have noticed that the Winter Phone QSO Party now had separate categories for Low and High Power entries. The BOD felt this was only fair to make our event more even up for all participants. Although operating conditions were tough this year, there were several new entrants. This is encouraging in that it allows new blood to participate and adds to the number of participants. I managed to work a few new numbers during the QSO Party and that is getting harder and harder to do. The Spring CW QSO Party is just around the corner (May 5-6), so dust off those hand keys and give it a go.

Be sure to check out our Chapters page as there have been a couple of new chapters added. In these times of rough band conditions, it is encouraging to see chapters active and strong. I miss checking into chapters in Germany but realize that with improved band conditions that will happen again in the future.

Our newsletter editor, Randy AJ7B, has requested more content to fill in the newsletter. If you have something that you think would be of interest to our members, send it to Randy for his review. Also appreciated are photos.

2018 Recipient of President’s Award

From N0TW, Terry:

As President of 10-10 International, I am very pleased to announce that Ruth, N0KDB (#48715) has been awarded the 2018 President’s Award. This award is given to those individuals who have shown devotion to serving our organization for extended periods of time. Ruth is one of those individuals.

Ruth has recently passed along the baton of being the SK Manager to Mark, KD2NOM. She is staying on as Certificate Manager. To further describe Ruth's past performance to 10-10, I have asked one of her friends to write about her. The following paragraph describes Pat, KH6OE's memories of Ruth.

From KH6OE, Pat:

Ruth and I have been friends for 28 years and talked before that on 10 meters when I lived in Hawaii. We became friends on 10-10 nets. We found that we had a lot in common with family and being hams. Our husbands also became friends. After arriving in the states in 1990, we went to the Dallas Convention in 1991 and that's when we first met. Since then, we have shared staying in each other's homes and until 2005 we would meet at 10-10 Conventions.

Ruth is a very organized person and always got the Certificates and SK Manager reports completed on time. She has gone through many struggles in her life during these past years but she just keeps going. She is a well-rounded person and I am proud to call her my "friend".

Please let Ruth know your appreciation for her years of service to our organization. (n0kdb@fidnet.com).



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. No Net Control operator qualified this quarter.

The Top Operator for Q3 is:

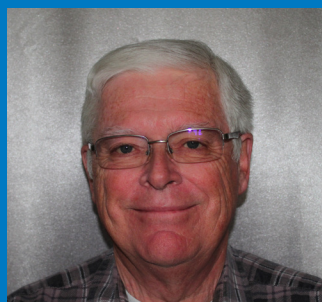
Operator - **KJ4RV Charles Ward #37776**

NEW LIFE MEMBERS

25367	K8OD	Loren J Hintz Jr	MI
48754	KBØARZ	Richard J Mehaffey	NE
60964	N7VS	Stephen C Brandt	OR
69817	JH7RTQ	Yoshiro Hirai	DX
70902	W7SAW	Steven A Wagner	WA
72592	W7WES	C Wesley Wilkinson Jr	UT
72945	WØHII	John E Bruckner	TX
73372	AD5IF	John A McCrevey	TX
73725	KKØV	Mark O Jensen	ND
76083	W6MRK	Mark Klebba	CA
76309	K1EHZ	Jay L Taft	NH



Greg, WA3GM #46927, Terry, N0TW #36547 and Paul, WN4AMO #73825 man the 10-10 booth at Hamcation in Orlando FL.



Chapter Coordinator

Jim Fox, KA0ZPP
(#43428)

GENERAL NEWS

- 1) **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.
- 2) If your chapter is planning a special during the months of July, August or September, please let me know before June 1st so I can include the details in the July newsletter.
- 3) Reminder of Quarterly Reports Due: **In Extremis** (no report in over a year): 10 Bar-X, Minuteman/Old Ironsides. **Past Due** (no report received during the prior quarters when due): City of Lights, Fort McHenry/Cornerstone/Yodar Kritch, Portland 500. Reports received after February 20 (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 second quarter:** Channel Islands Route-66 (Jun), South Central Illinois Ten Meter Club (Jun), Speedway (Jun) Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2017 in which the last report was received.

- 4) Several chapters have been sending in minimal chapter reports in order to maintain affiliation. I ask ALL CH/CM to send me a complete report during 2018 so I have up to date contact and net information. I thank you in advance for your help. See www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms for a form to download or fill out and submit electronically.

CHAPTER NEWS

- 1) CH Cliff, K5FBS, reports that he no longer can support the Space Coast Chapter. If anyone is willing to take over those chapter duties, please contact Cliff at clifford.taylor@gmail.com or me at the address at the end of this article. If no one comes forward, Cliff will have to declare the chapter QRT.
- 2) CH Dave, K7PRZ, has declared City of Roses and Portland Bridges award to be QRT. The chapter database ran only on Windows XP and is no longer supported.

3) **Cincinnati Area Ten Tuners (CATT)** reports the experiment is over and their new net frequency is 28.490 MHz, Wednesday at 0100 UTC, effective immediately.

4) **Santa Fe Trail** runs specials almost every month. Watch for posts on the TenMeters email list from CH Larry, KA9PCU, for details. CH Larry is also looking for an assistant to learn the ropes of running the chapter. If you are willing to help, or want more information, contact Larry at (309) 342-5977 or (309) 299-0246.

5) Since Jim, N5QK, became SK, Clyde, N5HCW, has lost equipment and records for **Louisiana Pelican** chapter in hurricane flooding. The chapter net currently is being run informally by Marvin, N5HE, out of Baton Rouge. The chapter may lose affiliation if there is insufficient interest to continue.

6) Stay tuned: I have received several inquiries about new chapter affiliation. If any of them come to pass, I will announce them here and on the ten meters newsgroups. There must be propagation somewhere!

7) Chapters below accept email upgrades as of November 30. 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. Use form available from the CM.

Bauxite – CM K5BKT, k5bkt@nwla.com. Bauxite and Arkansas Visitor numbers only.

Bay Area – CM K6RDK, k6rdk@arrl.net

Branding Iron – CM DL6DK, bic-cm@voits.de

Castle Craig – CM N1API, n1api@cox.net

Chesapeake Bay – CM N3TGB, n3tgb@aol.com

City of Roses – Now QRT **

Colorado Centennial/Colorado Frontier Gang – CM WB0CON, wb0con.comcast.net

Cradle of the Confederacy – CM K4PO, pcsalley@gmail.com

Down Under – CM ZL1AFU, z1afu@nzart.org.nz

Fort McHenry/Cornerstone/Yodar Kritch – CM K3TUJ, k3tuj@juno.com

Gold City – CM K4QHH, rabisch@hotmail.com

Hanse – CM DL5HAN, dl5han@t-online.de

Houston S.H.O.T – CM N5MT, n5mt@aol.com

Major League Baseball – CM N6OPR, n6opr@msn.com

Minuteman/Old Ironsides – CM WA1ENO, wa1eno@hotmail.com

Neanderthal – CM PA2NJC, cm.neanderthal@online.de

New Mexico Mud Ducks – CM KM5EH, buckml@lobo.net

North Georgia – CM W4GKF, 10X@chazcone.com

Oregon Trail/Portland 500 – CM W7HO, w7ho@w7ho.com or w7ho@arri.net

Santa Fe Trail – CM KA9PCU, ka9pcu@centurylink.net

Sky Blue Waters/Tin Lizzie – CM KA0ZIA, sbwtl1010@gmail.com

Space Coast – See Chapter News, item 1.

Speedway – CM W7CAR, w7car@arri.net

Steamboat Plus – CM KD5DE, kd5de@nwla.com

Twin Cities – CM K0DBK, kzerodbk@gmail.com

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.

Jim Fox, KA0ZPP, PO Box 135 Mayhill NM 88339, email: ka0zpp10ten@gmail.com

TEN-TEN NET GUIDE

As of February 20, 2018

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq		DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	
SUN	0001	0100	Chesapeake Bay	Chestertown, MD	28345		WED	0100	0200	Houston SHOT	Houston, TX	28488	
SUN	0300	0400	Chief Seattle	Seattle, WA	28430		WED	0200	0300	10 Bar X	El Paso, TX	28445	
SUN	1300	1400	Arlington	Arlington, VA	29200		WED	1400	1500	EU DX/Branding Iron	Bergamen, DL	28355	
SUN	1400	1400	Neanderthal Chapter	Leichlingen, DL	28355		WED	1700	1700	Gold City	Rutherfordton, NC	28425	
SUN	1630	1730	Possum Trot	Raeford, NC	28345		WED	1930	1930	Route-66	Boonville, IN	28370	
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380		THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350	
SUN	1800	1900	Portland 500	Portland, OR	28350		THU	0100	0200	Gateway	St. Louis, MO	28650	
SUN	1900	2000	Oregon Trail	Dallas, OR	28330		THU	0100	0100	Cow Town	Arlington, TX	28460	
SUN	1930	1930	North Georgia	Atlanta, GA	28610		THU	0100	0200	Milwaukee	Milwaukee, WI	28365	
SUN	2030	2030	Santa Fe Trail	Galesburg, IL	28345		THU	0230	0330	Windfarms	Livermore, CA	28485	
SUN	2100	2200	Possum Trot	Raeford, NC	28150	CW	THU	0230	0330	Up The Crick	Eugene, OR	28450	
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445		THU	0300	0400	Chief Seattle	Seattle, WA	28430	
MON	0100	0200	Milwaukee	Milwaukee, WI	28365		THU	1930	1930	Speedway	Rainier, OR	28350	
MON	0100	0100	Lonestar	Arlington, TX	28460		FRI	0001	0100	Fort McHenry/Cornerstone/Yodar Kritch	Arbutus, MD	28370	
MON	0100	0100	So. Illinois Ten Meters Club	Centralia, IL	28405		FRI	0300	0400	Chief Seattle	Seattle, WA	28430	
MON	0130	0230	Bauxite	Benton, AR	28470		FRI	1400	1400	Hanse	Hamburg, DL	28355	**
MON	1630	1730	Chief Seattle	Seattle, WA	28430		FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530	
MON	2330	2330	Sky Bl Wtr/Tn Lzz/Twn Ct	Inver Grove Heights, MN	28380		SAT	0300	0400	Chief Seattle	Seattle, WA	28430	
TUE	0001	0100	Ft McHenry/Cornerstone/Yodar Kritch	Arbutus, MD	28370		SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430	
TUE	0100	0200	CO Centennial/CO Frontier Gang	Lakewood, CO	28340		SAT	1510	1610	Louisiana Pelican	Livingston, LA	28450	New
TUE	0100	0200	City of Lights	St Charles, IL	28150	CW	SAT	1730	1730	Tango	Buenos Aires, LU	28650	
TUE	0130	0230	City of Lights	St Charles, IL	28720		SAT	2200	2200	Alii	Lihue, HI	28730	
TUE	0130	0230	Bauxite	Benton, AR	28470		** Indicates a change since the last published list.						
TUE	0300	0400	Bay Area	Hayward, CA	28475		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:						
TUE	0430	0430	Aloha	Hilo, HI	28490		KA0ZPP, Jim Fox, PO Box 135, Mayhill, NM 8839-0135. E-mail: ka0zpp10ten@gmail.com .						
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	28430	New							



DX News

Mike Davidson, N5MT
(#24949)

The most important DX news that was made the past three months came from the ARRL and the DXCC program. A rule update was added, that would allow countries that meet new criteria, to get DXCC status. This action by the ARRL will now let contacts with Z6 Kosovo to count for a new country! This is the last of seven countries to come out of the breakup of Yugoslavia. The effective date of this new rule is January 21st and after, no retroactive contacts count! So you have to work Kosovo again if you had a QSO before January 21st.

A big group of ops have been using call Z60A but with poor propagation, we can hardly hear them on 20 and 15! The lower bands have been their most popular frequencies, since all of Europe wants them! Just in the first month of on the air, they had 70 thousand QSOs in their log, so give them a few months as the pileups have settled down to simplex status. The only 10-10 member that has been on Z60A was Jim K9JF #75959, who is a Hon. VP for the ARRL. My only contact was on 20 meters CW. Good luck.

Anyone who needs a 10-10 Countries certificate or upgrade will have to wait until after I can set up my computer resources when I get moved and settled. All the 10-10 records for the Countries awards are saved on a computer running Windows XP. The current Windows 10 operating system does not like to run old DOS programs. There are backups of the 10-10 data in several places, so no data was lost in the Harvey flood at my house.

The solar flux has been back in the 66-99 range the past three months with no significant surge in the solar flux like we had five months ago. I expect poor conditions on Ten for the next two years as this cycle reaches its final days and this cycle ends. The flux will stay in the 70's and 80's for that period until Cycle 25 starts about the fall of 2019. Be sure to upload your logs at least each quarter to LoTW!

One of our DX members from New Zealand became a silent key on January 19th, and he was Brian Egan ZL1LE #23497. Brian and I had membership numbers that were close so we joined 10-10 just after the Winter QSO party in early 1979. Brian would often be my only contact from New Zealand during a 10-10 QSO party, as we would look for each other since we both had good

beam antennas. Brian was an electrical engineer and retired faculty at the Auckland University when he died at the age of 95.

Dave Collingham **K3LP** #13394 was a well-known DXpedition organizer and long time 10-10 member. Dave has given many of us a new country over the years. Dave died on January 5th trying to rescue his dog Cooper on a frozen lake near his home in MD. A tribute to him is at this site: Paul N6PSE #68859, wrote a tribute to Dave, at:

<https://n6pse.wordpress.com/2018/01/09/tribute-to-david-collingham-k3lp/> and <http://Hamgallery.com/Tribute/K3LP/>.

Countries Award: There were no Basic Countries Awards submitted and no upgrades issued this quarter. A "DXCC Most Wanted" entities' list is available at:

<https://secure.clublog.org/mostwanted.php>.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

3B Rodrigues Island. Robert **3B9FR** #61550, is now using the FT8 mode. QSL manager is M0OXO.

3Y0 Bouvet Island. The expected 2018 DXpedition of the year was canceled due to engine trouble on the ship that took them to within one mile of the island. They could not land on the island for several days due to bad weather. Then they had engine trouble and the captain of the ship made the decision to return to a safe port. They only operated from the ship when seas were not stormy. Ship contacts do not count for DXCC. The trip still cost a lot for the 31 days at sea!

Website: <http://www.bouvetdx.org>.

6W Senegal. Jacques **F6HMJ** #52711, did not make his planned trip to Senegal in December 2017 and operated as 6W7/F6HMJ like he did in 2016.

C6A Bahamas. Brian **VE3BWP** #1168, was operating from the island until January 25th on SSB, FT8 and PSK31.

Bob **N4BP** #3268 and friends, were on Great Abaco Island from February 6-20th. His call was C6AKQ.

CU8 Azores. Hermann **HB9CRV/CU8FN** #72110, was on Flores Island from January 22nd to February 16th.

HP Panama. Mike **W1USN** #51238 and Robert **AA1M** #17930, were in Panama from February 1-15th using CW, SSB and digital modes. Home calls for QSL or LoTW.

Will **AA4NC** #15774, was in Panama from January 10- 24th using low power with call HP1/AA4NC. LoTW.

HR Honduras. Gerard **F2JD** #63443, was back in Copan Ruinas, Honduras on February 15th until he leaves on May 10, 2018. Call sign was HR5/F2JD.

J6 St. Lucia. Bill **K9HZ** #2618, operated from his villa at Soufriere with call sign J68HZ from January until February 3rd. Bill used a K3 into a beam and wire antennas. LoTW.

J6 St. Lucia. Chuck **KG9N/J6** #17038, was on St. Lucia from February 13-27th, on most HF bands.

KH0 Mariana Islands. Will **AA4NC** #15774 and Ron **AA4VK** #12423, were on from Saipan until February 28th.

KH2 Guam. Toshi **J13ERV** #39995, used call AH2R on Guam for the ARRL DX CW contest February 17th.

P4 Aruba. Robert **AA7V** #18347 and friends operated P40E during the ARRL DX CW contest in February.

PJ4 Bonaire. John **K4BAI** #45389 and two friends, used PJ4/K4BAI calls while on the air February 10-24th.

PY Brazil. Milton **PT7BI** #18383, was on Paz Island with two friends using call PX5P from February 16-18th.

T8 Palau. Will **AA4NC** #15774 and Ron **AA4VK** #12423, were in Palau from February 12-20th. They then traveled to Saipan staying from February 21-26th. Then on to Guam from February 27th into March. Their final stop is Hawaii the first week of March, where they will be joined by Randy **N0TG** #12990.

TI Costa Rica. Lee **N1DBT** #41718 was on the west coast of Costa Rica during the month of February. No reports of any ham radio activities on Ten Meter from Lee.

V3 Belize. Paul **VE3AXT/V31AX** #76924, is now in Corozal, Belize until April 4th. He is using an IC-7000 into a G5RV antenna. He likes to use OQRS to QSL.

Scott **KK7JS** #52535, was in Belize from February 8-12th with a friend Victor WB0TEV. Call used was V31CQ.

Art **NN7A** #39677, was in Belize from February 8-14th using call V31JZ.

V4 St. Kitts and Nevis. Bernie **W3UR** #25731 and his wife Becky N3OSH, celebrated their 30th wedding anniversary on the island of Saint Kitts. Bernie stayed at the V47JA station running CW and SSB on all bands and using his call sign V47UR. They arrived on January 29th and left on February 12, 2018. One of the computers he was using failed. He was not able to make any more FT8 or RTTY contacts, sorry. LoTW.

VP2 Anguilla. Jim **WB2REM** #48365 and Mark **WY1G** #56937, went to Anguilla from March 17-24th using call sign VP2EGO.

XW Laos. Ken **K4ZW/XW4ZW** #18573, was on the air from December 3-6th. There are no reports of Ten meter activity by Ken, so propagation favored the lower bands.

YN Nicaragua. Two members were in Nicaragua from February 26th to March 6th. Jim **WB2REM** #48365 and Mark **WY1G** #56937, used a special call sign H72DX, operating CW, SSB and FT8 while operating from Granada. Website: WWW.QRZ.com/db/H72DX.

ZF Cayman Islands. Tim **N6WIN** #53747, was on Grand Cayman during the ARRL DX CW contest in mid February with friends using call sign ZF1A. LoTW.

ZP Paraguay. Dale **N3BNA** #32100, was in Paraguay for a short time in January as ZP/N3BNA. He hoped to operate from Haiti on a mission trip but unknown as to the dates or time he had when not working with the mission.

UPCOMING DX & NEW 10-10 ACTIVITY:

3B7 Saint Brandon Island. A DXpedition to the 27th most needed country will take place from April 5-17th. This will be the same team that operated from Juan de Nova in March 2016 when Flo **F5CWU** #71812 was the only 10-10 member of FT4JA. Flo likes SSB so good luck in finding 3B7A.

Website: <http://www.SaintBrandonDX.com>.

3D2/R Rotuma Island. Tony **3D2AG** #72719, plans to be back on Rotuma from February 23rd to March 16th. There will be four friends with him but none of them are 10-10 members so you will have to find Tony to swap 10-10 numbers! The call sign will be 3D2EU. Rotuma is 400 miles north of Fiji in the South Pacific.

Website: <http://www.rotuma2018.de>.

7Q Malawi. Members of the EIDX group, who went to Nepal and operated 9N7EI in 2017, will activate 7Q7EI from Malawi from March 24th to April 3rd. You will need to find Declan **EI9HQ** #71019 who is the only 10-10 member of the thirteen ops. Expect all bands and modes. LoTW.

Website: <http://www.7Q7EI.com>.

C9 Mozambique. A large group of ops using call C6T from May 2-15, 2018. The only 10-10 member is Francis **ON6LY** #73607, so be sure to find him to get his 10-10.

Website: <https://mozambique2018.wordpress.com>.

FP St. Pierre & Miquelon. Eric **KV1J** #31247, will be on his 12th trip to the island from July 3-17th. Watch for some FT8 this trip and on all bands. LoTW.

GW & G Wales and England. Ron **WJ7R** #76492, will be on a hike in the UK from July 4-22nd. He is taking a KX3 transceiver and will operate at night when not hiking. Call sign will probably be WJ7R/G something.

HH Haiti. John **W2GD** #14109, will be in Haiti during the upcoming ARRL DX SSB using call HH2AA. LoTW.

KH1 Baker Island. A big DXpedition will start on June 26th until July 8th. You can find four members: Ned AA7A #11185, John **K6MM** #13853, Don **N1DG** #27629 and Arnie **N6HC** #29959. All bands, mode and digital. LoTW.

Website: <http://www.baker2018.net>.

KH6 Hawaii. Will **AA4NC** #15774, Ron **AA4VK** #12423 and Randy **N0TG** #12990, will be in Hawaii as part of the KH6LC team for the ARRL DX Phone contest.

PJ2 Curacao. Andreas **DK5ON** #54260, will operate as PJ2/DK5ON on SSB, CW, FT8 and RTTY from March 14- 27th. LoTW, OQRS and Club Log.

VP6 Ducie. A two week DXpedition from October 20th to November 3rd, will use call VP6D. It has been ten years since the last DXpedition operated from Ducie Island east of Pitcairn Island in the South Pacific. Look for Arnie **N6HC** #29959 and Gene **K5GS** #15119 as the only 10-10 members of the large group of ops. Several 10-10 members have been to Ducie in the past, so this operation will not be a new country, as some of us have credit for Ducie.

MISCELLANEOUS ITEMS & NOTES:

Propagation forecast: <http://www.solen.info/solar/>,

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 66-90 during the Spring of 2018. The Spring Equinox is on March 21st, when HF propagation shifts to a more north/south path. I hope you have a Z6 Kosovo contact in your log, as the change of the season will affect the propagation path into Europe.

Our solar cycle #24, has been the weakest solar cycle in more than 100 years, with the peak in February 2014 at 170.3. Cycle #24, is currently slowly going through the solar minimum phase until we begin cycle #25, probably in 15-20 months. The natural cycle of the sun is 11 years and we are now nine years into cycle #24. I think cycle #25 will start by the end of 2019. Some US agencies predict that cycle #25 may be weaker than our current cycle #24!

The max solar flux for each month of 2017: Jan 87, 83, 91, 112, 82, 79, 95, 87, 133, 87, 76 and Dec 101.

The min flux for the same period 2017: Jan 71, 72, 70, 71, 69, 71, 68, 68, 71, 69, 66 and Dec 67.

On March 1st, the solar flux was 69, the A index was 6 and K index 1.

There were very few solar flares this winter and the solar flux high for last winter was 21 points lower than the May 2016 high of 123.

My Prediction: Over the next four months, the best conditions: March 23-25th, April 19-23rd, May 15-17th and June 7-10th. For USA, expect a slight 5% chance of DX to Europe or Asia with a 25-30% chance of DX to S. America and the S. Pacific, later in the day. Listen to the beacons from 28.175-28.300 for path information.

One New 10-10 DX member December to Feb. 2018:

Dec: 77597 DO1LGK; **Jan:** None; **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.

DX IS! 73 Mike Davidson N5MT #24949

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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 November, the Foundation Board voted to guarantee the funding for five \$2000 scholarships to be awarded in 2018. 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. This quarter Mary Lou Steinkamp sent a Christmas gift donation in the name of Patricia and Jeff Steinkamp, N7YG #65084 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 \$25 or more you are eligible to receive one of the 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 27 or send your check to me or the Data Manager. Our addresses can be found on Page 26.

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)

WB0CON Eva Donaldson 53964
 KB5UJY Kenneth Schulz 63342
 KE6DRN Charles Thompson 68855
 KC0RBV Jennie Tuttle 77375
 N8YXR Robert Tuttle 77577

Silver (\$100 to \$499)

W8FSF Frederick Freer III 72789
 N8QXC Joseph Mizik III 76140

Bronze (Up to \$99)

N5AF Sammy Neal 01919
 W4GEK Alton Morris, Jr. 09861
 N0LAY Douglas Schwinn 43501
 KD4AMP Jon Beaver 59739
 KD4BTU Patsy Beaver 59754
 KB7NKP Gary Arko 62591
 WA3HGT Herbert Raemsch 63062
 KD4EFJ Charles Walther 64712
 N7YG Jeff Steinkamp 65084
 AD6AA Michael Germino 68773
 KA1DWZ Richard Crossmon 72392
 N8KP Gary Wick 72453
 N9XHN David McMullen 72762
 KF6B Fred Leatock 73005
 W1AS Alan Clair 73131
 N4SVC Suwannee ARC 75836
 K5WSY Don Thompson 76386

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 are featured in on the 10-10 website. Over the past 30 years, 10-10 has funded 113 scholarships valued at \$137,000.

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

REPORT FOR THE 10-10 INTERNATIONAL CLUB STATION W6OI

W6OI continues to be on the air for all 10-10 QSO parties. Band is mostly quiet, but we have to keep trying! Try more digital everyone and don't lose hope for band openings in the future. To make contacts you must do lots of calling and of course listening!

For all recent 10-10 parties I did not make any contacts. SAD! I miss all those nice QSOs with members in the US and Europe, and on occasion out to Hawaii and Australia! I've seen a lot of comments lately on our 10-10 email reflector talking about the good old days and how in the mud everyone is feeling. Chapters are going silent, which will lead to less activity down the road. Everyone, we need to pick up the spirit. The 10-10 International Club was built on the integrity and livelihood of just a few dedicated hams. Let's keep this Club going and 10-meter alive. It needs us to make it happen.

Get those rigs dusted off and at least try digital – PSK31 or FT8. FT8 is by far the most popular mode across all bands. FT8 mode for 10-10 contacts was discussed in our last newsletter (January 2018-WINTER edition). If you don't have the software to use digital just check the web. There are many sites explaining how to get started and software is free. You do not need much at your station to get it up and running. And just about any kind of wire antenna will work with very low power to get contacts on FT8.

If you have specific questions on getting started in working digital and can't find the right answer on the web come on back to the 10-10 members! You can send out a notice on the ten-ten.org email list service and ask members for advice. I am sure someone with the same rig can give you quick easy to understand details. 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 between the members.

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 confirmation 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



Net Report

Bob Farrow, N6OPR
 (#45715)

Net Reports for Fourth Quarter 2017

MONDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
2-Oct	2	0	2-Oct	4	0
9-Oct	2	0	9-Oct	9	1
16-Oct	2	0	16-Oct	8	0
23-Oct	2	0	23-Oct	7	0
30-Oct	2	0	30-Oct	9	0
6-Nov	2	0	6-Nov	9	0
13-Nov	2	0	13-Nov	7	0
20-Nov	2	0	20-Nov	7	0
27-Nov	2	0	27-Nov	10	0
4-Dec	2	0	4-Dec	8	0
11-Dec	2	0	11-Dec	X	X
18-Dec	2	0	18-Dec	X	X
25-Dec	2	0	25-Dec	2	0

TUESDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
3-Oct	7	0	3-Oct	2	0
10-Oct	5	0	10-Oct	2	0
17-Oct	6	0	17-Oct	2	0
24-Oct	6	0	24-Oct	2	0
31-Oct	6	0	31-Oct	2	0
7-Nov	10	0	7-Nov	2	0
14-Nov	7	0	14-Nov	2	0
21-Nov	6	0	21-Nov	2	0
28-Nov	5	0	28-Nov	2	0
5-Dec	4	0	5-Dec	2	0
12-Dec	7	0	12-Dec	2	0
19-Dec	4	0	19-Dec	2	0
26-Dec	4	0	26-Dec	2	0

WEDNESDAY NETS

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

THURSDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Oct	3	0	5-Oct	2	0
12-Oct	2	0	12-Oct	4	1
19-Oct	4	0	19-Oct	3	1
26-Oct	4	0	26-Oct	4	0
2-Nov	24	12	2-Nov	3	0
9-Nov	12	2	9-Nov	2	0
16-Nov	4	0	16-Nov	4	0
23-Nov	5	0	23-Nov	2	0
30-Nov	3	0	30-Nov	2	0
7-Dec	5	0	7-Dec	3	0
14-Dec	7	1	14-Dec	2	0
21-Dec	2	0	21-Dec	3	0
28-Dec	2	0	28-Dec	2	0

FRIDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Oct	3	0	5-Oct	2	0
12-Oct	2	0	12-Oct	4	1
19-Oct	4	0	19-Oct	3	1
26-Oct	4	0	26-Oct	4	0
2-Nov	24	12	2-Nov	3	0
9-Nov	12	2	9-Nov	2	0
16-Nov	4	0	16-Nov	4	0
23-Nov	5	0	23-Nov	2	0
30-Nov	3	0	30-Nov	2	0
7-Dec	5	0	7-Dec	3	0
14-Dec	7	1	14-Dec	2	0
21-Dec	2	0	21-Dec	3	0
28-Dec	2	0	28-Dec	2	0

SATURDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
7-Oct	2	0	7-Oct	X	X
14-Oct	2	0	14-Oct	X	X
21-Oct	2	0	21-Oct	X	X
28-Oct	2	0	28-Oct	X	X
4-Nov	2	0	4-Nov	X	X
11-Nov	2	0	11-Nov	X	X
18-Nov	2	0	18-Nov	X	X
25-Nov	2	0	25-Nov	X	X
2-Dec	2	0	2-Dec	X	X
9-Dec	2	0	9-Dec	X	X
16-Dec	2	0	16-Dec	X	X
23-Dec	2	0	23-Dec	X	X
30-Dec	2	0	30-Dec	X	X

X= No Net

10-10 Has Two Official Daily Nets
28.380 and 28.800
Both Run At 1800z
Every Day Except Sunday
There is also a CW Net on 28.125 MHz
starting at 1800z on Saturdays
Listen And If You Can Hear Us Join IN!!!

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)	Mike, KF4WKY	#70191	NC
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)	Mike, KF4WKY	#70191	NC

Sunday **NEVER ON SUNDAY**

2018 Net Control Station of the Year



Ten-Ten International is pleased to award Louise Chapman, N6ELK #36654 with the 2018 Net Control Station of the Year Award.

Louise began her ham career by taking the FCC exam at the FCC examination office on Long Beach Blvd. She was the only female in the office taking her exam.

She has been calling the 28.800 MHz net for 35 years, the longest of any of the net control stations. And, she is still calling the nets. Besides Ten-Ten, Louise is still active as a Volunteer Examiner at the Red Cross building and has been active in this function for an amazing 27 years!

When Techs were given 10 meter privileges, Louise was instrumental

in getting the 28.380 MHz. net started. This helped to add new members to Ten-Ten and has also been a very active net.

Louise has received honors from both Ten-Ten as well as past presidents for her accomplishments. She is a member of the Long Beach Amateur Radio Club.

Here is a bit of info on her station. She runs Kenwood on 2 meters and Icom 718 and Kenwood 930 on HF. Her antennas are KT34A up 50 feet and Cushcraft R8 vertical.

Please give Louise a big thank you for all her years of service.



Doc WB6OJB #70675 (Left) and Bob N6OPR #45715 (Right) presented the Net Control Station of the Year award to Louise N6ELK #36654.

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.

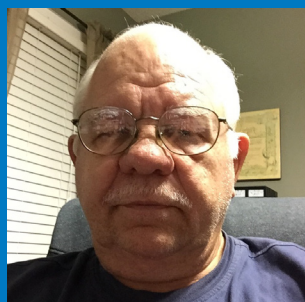
LOYAL..... offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

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.



QSO Parties

Dan Morris, KZ3T
(#41015)

55th ANNIVERSARY RESULTS FOR 2017

CALL	10-10#	CTX
1. N5MT	24949	12
2. KZ3T	41015	5
3. KN4Y	17757	4
4. N1API	25468	2
5. K4QHH	26040	1
5. KA9PCU	73562	1

MEET THE VOLUNTEERS 2017 RESULTS

CALL	10-10#	CTX
1. N5MT	24949	11
2. N1API	25468	8
3. K4QHH	26040	6
3. KA9PCU	73562	6
4. KZ3T	41015	5

2018 WINTER SSB QSO PARTY

February 3 - 4

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. DL8YBM	36109	51	150	252
2. N5XZ	4530	39	10	88
3. DL6DK	39944	34	10	78

TOP TEN (cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
3. DB9DF	74506	34	10	78
4. KQ4PK	63201	28	4	60
5. N5MT	24949	27	5	59
6. PA2NJC	30903	26	4	56
7. K8DEL	2978	17	20	54
7. N4ZCG	56067	23	8	54
8. N1API	25468	21	9	51
9. KJ4RV	37776	21	3	45
9. KJ4OFD	75796	21	3	45
9. KM4ODS	77504	20	5	45
10. WA2HMM	40510	17	9	43

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
KA0HZP	31562	4	1	9
N0CUN	33031	3	1	7
W0RTV	13962	3	0	6

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	21	9	51
KC1BTA	77110	9	8	26
N1ZN	73599	5	1	11
N1YKH	70147	5	0	10

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	17	9	43
WA2SUH	407	3	1	7

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KQ4PK	63201	28	4	60
N4ZCG	56067	23	8	54
KJ4RV	37776	21	3	45
KJ4OFD	75796	21	3	45
KM4ODS	77504	20	5	45
KK4MCY	77124	20	2	42
K4QHH	26040	11	18	40
KD4AMP	59739	9	9	27
N0TW	36547	9	6	24
AK4YS	75328	10	2	22
K4JWX	77578	10	1	21
N4KAY	77580	10	1	21
KK4AMR	76031	7	0	14
W4IOD	77576	3	7	13
WB4WXE	7010	1	10	12
KZ3T	41015	2	0	4

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5XZ	4530	39	10	88
N5MT	24949	27	5	59
K0NM	75901	17	1	35
WB5TKI	67080	15	4	34
KG5LRP	77474	13	2	28
WD5CAY	15621	10	1	21
W5PF	5921	10	0	20
W5TKZ	76490	9	0	18
AD5IF	73372	7	0	14
K5DSM	77575	6	1	13
KM5FF	50356	4	0	8
KM5EH	71103	2	0	4
K9GEM	75992	1	0	2

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
KR7RK	63324	3	0	6

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
N7QOZ	62599	4	5	13

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	17	20	54
W8PJY	14574	6	0	12
K8IZK	73889	5	1	11

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
NA9A	31121	14	13	41
W9AQL	60273	10	0	20
KC9TQU	77157	6	4	16

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
AD5IF	73372	7	0	14

COUNTRY ENTRIES**ARGENTINA**

CALL	10-10#	CTX W	CTX WO	TOTAL
LU1BJW	39329	2	0	4

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	51	150	252
DL6DK	39944	34	10	78
DB9DF	74506	34	10	78

NETHERLANDS

CALL	10-10#	CTX W	CTX WO	TOTAL
PA2NJC	30903	26	4	56

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	51	150	252
N5XZ	4530	39	10	88
DL6DK	39944	34	10	78
DB9DF	74506	34	10	78
KQ4PK	63201	28	4	60
N5MT	24949	27	5	59
K8DEL	2978	17	20	54
NA9A	31121	14	13	41
K4QHH	26040	11	18	40
K0NM	75901	17	1	35
N0TW	36547	9	6	24
AK4YS	75328	10	2	22
WD5CAY	15621	10	1	21
W5PF	5921	10	0	20
W9AQL	60273	10	0	20
W5TKZ	76490	9	0	18
WB4WXE	7010	1	10	12

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
PA2NJC	30903	26	4	56
N4ZCG	56067	23	8	54
N1API	25468	21	9	51
KJ4RV	37776	21	3	45
KJ4OFD	75796	21	3	45
KM4ODS	77504	20	5	45
WA2HMM	40510	17	9	43
KK4MCY	77124	20	2	42
WB5TKI	67080	15	4	34
KG5LRP	77474	13	2	28
KD4AMP	59739	9	9	27

KC1BTA	77110	9	8	26
K4JWX	77578	10	1	21
N4KAY	77580	10	1	21
KC9TQU	77157	6	4	16
KK4AMR	76031	7	0	14
N7QOZ	62599	4	5	13
K5DSM	77575	6	1	13
W4IOD	77576	3	7	13
W8PJY	14574	6	0	12
N1ZN	73599	5	1	11
K8IZK	73889	5	1	11
N1YKH	70147	5	0	10
KA0HWP	31562	4	1	9
KM5FF	50356	4	0	8
WA2SUH	407	3	1	7
N0CUN	33031	3	1	7
W0RTV	13962	3	0	6
KR7RK	63324	3	0	6
LU1BJW	39329	2	0	4
KZ3T	41015	2	0	4
KM5EH	71103	2	0	4
K9GEM	75992	1	0	2

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
BRANDING IRON	7	894
POSSUM TROT	11	419
HOUSTON SHOT	11	378
CASTLE CRAIG	4	123
NEANDERTHAL	2	112
CATT	2	66
CITY OF LIGHTS	1	41

CHAPTER ENTRIES (CONT.)

CHAPTER	LOGS	PTS
GOLD CITY	1	40
GATEWAY	4	38
NM MUD DUCKS	1	8
TANGO	1	4

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
PA6TEN	75925	26	4	56	PA2NJC
LU1FKR	68925	11	11	33	0

**Silent Keys**

Mark Steele, KD2NOM
(#77596)

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
00509	K8MKA	Adrian A. Stackpoole - Pontiac, MI
04317	W0JDP	Harry E. Newport, Jr. - St. Louis, MO
05086	AL7OP	Dave Firis - Wadsworth, OH
07548	K1IDM	Donald L. Rio - Plainville, CT
09238	K5TCK	H. Paul Clampit - Conway, AR
09327	W7ZVQ	John W. King - Everett, WA
09522	WA6UIM	Barry J. Lar Rieu - Walnut Creek, CA
09598	AJ9I	Bradley S. Bateman - Berrien Springs, MI
10348	K7LAY	Robert W. Hudson - Port Orchard, WA
10973	WB8RXN	Howard F. Tanner - Jackson, MI
12057	WA1UHG	Robert E. Murphy - Venice, FL
13163	N3DQ	Dennis J. Gazak - Huntingdon Valley, PA
13202	KK4LY	David F. Tyndell - Mint Hill, NC
15056	K5JK	George W. Lee - Longview, TX
16070	W0OB	Robert M. Montbriand - Naples, FL
16421	K4SVS	Lloyd D. Adams - Raleigh, NC
16556	W2ING	Douglas L. Bard - Newburgh, NY
18502	K9TE	Terry L. Edlin - Mt Washington, KY
20255	K7KNW	Douglas Graef - Spokane, WA
20949	KD4WM	Weldon K. Palmour, Jr. - Gainesville, GA
23423	OH3MFP	Alpo Laakso - Lempaala, Finland

10-10#**Call****Name - City, State**

23497	ZL1LE	Dr. Brian Egan - Auckland, NZ
24324	AH8A	William E. Faulkerson - Pago Pago, Am. Samoa
24460	K7CRK	Robert A. Larkin - Salt Lake City, UT
28000	KM9L	Denny R. Chestney - Bloomington, IL
31187	KC9DN	Robert F. Albright - Indianapolis, IN
31424	KC7NY	Kenneth A. Campbell - Havre, MT
32386	WJ4T	Gene L. Turner - Durham, NC
35465	WD8NNB	Edward Sulek - Cincinnati, OH
35769	K4JQR	Bob Williams - Hickory, NC
36210	KF4RV	Ronald G. Munion - Milton, FL
37550	N2DXQ	Brendan Trinkaus - Neptune, NJ
37740	AF4VC	Edward N. Sills - Gainesville, FL
38976	VK3AGS	Graeme Sutherland - South Queensferry, UK
39518	WA3YLO	Anthony Young - Bowie, MD
39667	KA7WCR	Gerald N. Holman - Salem, OR
41683	N0CMW	Allen G. Vrooman - Monroe, LA
42325	WD9HZA	Reuben W. Schluntz - Logan, OH
44169	K3WJE	Wayne J. Ensor - Snow Hill, MD
47670	WD7G	Anthony J. Brent - West Branch, MI
48103	K1YCZ	Marge Glaze - Essex Junction, VT
51948	NZ9B	Mark Jenks - Blue Mounds, WI
53296	N5JTI	William C. Saunders - Conway, AR
53625	N4TIR	Mark J. Thompson - Roebuck, SC
54547	K2OGU	Raymond E. Johns - Washington TWP, NJ
55129	N4TFQ	Cpt. Marcy M. Dupre, III - Pensacola, FL
56891	K3BOY	Michael J. Bortulin - West Norriton, PA
58123	WA2DAC	Lynn H. Wilke - Peru, NY
59579	K6SOJ	David W. Thorne - Macdoel, CA
60472	KD4CUJ	Kay D. Brown - Charlottesville, VA
62725	WA2VJA	Charles Helms - Nutley, NJ
65309	K9RYW	Helmut H. Buchwald - Brookfield, WI
65612	KR4UA	Thomas R. Young - Lafayette, GA
65830	KO6EE	Walter Sweadner - San Diego, CA
66533	KE3AX	Paul L. Leamy - Amity Township, PA
68278	KU4FP	Russell H. Chandler - Williamsburg, VA
68424	W4OY	Otis Murphy, Sr. - Milledgeville, GA
69038	W6EKZ	Alvin Banman - Pomona, CA
69490	W1AAB	Allen A. Baton - West Greenwich, RI
70229	K7BUD	Irwin G. Mitze, Jr. - Tacoma, WA
74480	KB5PKW	Billy H. Sullivan - Shreveport, LA
74691	W4LSC	Donald V. Sehulster - Kingman, AZ
75089	N4XE	Willie A. Carr - Roanoke, VA
75363	WB4WMR	Willard J. Griffiths - Limestone, TN
75496	N5HMH	Mark Hill - Monroe, LA
76074	K8GDT	Gerald D. Tirsch - Brunswick, OH
77392	W5LFS	Carl L. Smith - Lawton, OK

Thanks to Lee - K2HAT - #76138 for his efforts in helping me keep the sk column as up to date as possible. - Mark 73, KD2MON #77596

ANTENNA SAFETY NOTES

Here are a few safety tips that C. B. Cebik W4RNL (SK), #41159 shared in a previous issue of this newsletter.

Static Build-Up: As the wind and weather pass over the antenna elements, a charge builds up. On long wire antennas, it can generate enough of a charge to draw a visible spark across a gap to ground. On smaller antennas it can create unnecessary static. The best way to avoid problems here is to be sure that the antenna is at DC ground. Some antennas are designed with a DC ground; others are not. For low impedance antennas (less than 150 ohms feed point impedance) fed with coax, the simplest way to insure a DC ground is to place an RF choke across the antenna terminals. This gives you a DC ground [path but leaves the antenna RF-hot. At 10-meters, a 100 micro-H RF choke provides about 1800 ohms of reactive isolation, but a low resistance to charge build-up. Just be sure your coax braid is grounded somewhere along the line so that the charge has somewhere to go other than to your equipment.

Parallel feedline systems, such as all-band doublets require a different treatment, since the impedances they may see can range up to 5000 ohms and more. Here we can use high value resistors where the feedline enters the house. Run 1 MΩ resistor from each line to ground rod where the line meets the shack. It is also useful to add a knife switch or other disconnect (with alternative contacts directly grounded) to remove the connection to the equipment when the antenna is not in use.

Tower and Coax: Some studies have shown that the bulk of lightning current travels in the shield of the coax. A considerable voltage difference can exist between a tower leg and the coax braid if the first connection between the two is at the bottom of the tower. You may want to consider breaking your coax near the top of the tower, having one section to the antenna with the flex loop to accommodate rotation and another section down the leg of the tower. Securely fasten a plate to the tower leg and use a double female connector with chassis nuts (often called a bulkhead connector) to join the two coax lengths. This gives you a connection between the coax braid and the tower leg. This is not the only ground you should use, but an extra one.

Total Disconnection: During violent electrical storms, surges can enter the station equipment from several sources: the antenna lines, the AC power lines, and ground. When dealing with surges, do not think in terms of complete electrical paths. A surge can charge components, cases, and chassis, and create high voltages across components that are designed for low voltages. Hence, during violent storms, do a complete disconnect.

Outdoors, disconnect all antenna feed lines and reconnect them to a ground rod in the station ground system. Indoors, disconnect antenna feedlines from the station equipment. Unplug all equipment – or that power strip you use as a master switch. Most power switches are single pole, so one must unplug in order to break the neutral and ground line paths along which surges can travel. Also disconnect the station equipment from the master ground lead to the outdoor ground rod system. If you do some careful planning, you can make all these moves in under a minute. Just be sure that all the connections are accessible and require no tools to connection and disconnection.

While it may be true that a direct strike is rare, most damage occurs from nearby strikes that place heavy voltage surges on power lines, antennas, and the ground. You can do a

lot to keep them outdoors, where they belong.

Towers: Towers, whether free standing or on the roof top, require some special thought. Too few hams actually study tower installation before putting up the first one. Here are some things to think about:

1. What are the requirements for the tower base, including the concrete, rebar, excavation, etc.? Never under-support a tower at its base.
2. What, if any, are the guying requirements? If a tower is a guyed model, install the guying system to at least the manufacturer's standards. Be certain that guys are correctly and adequately anchored – and that they do not present a hazard to those who use your yard. If the tower can use a building support, be sure that building is up to the job. Most roof-line facial boards on a house are not.
3. Where does the tower go? Place it where it cannot hurt neighboring property (or people) if the tower and antenna fall under the worst conditions imaginable. Also try to place it where it will not hurt your own home and family if it falls.
4. Where do the feedlines go? Be sure that feedlines do not create either an electrical or a physical hazard for family members or visitors.
5. What are the codes? The more urban your setting, the more you may be subject to codes and ordinances that require permits, special requirements (for example, conduit for control voltages over a certain value), inspections, and, in some cases, licensed installers. Do not under any conditions bypass these requirements. Investigate in advance to know what you have to do and what it will add to the cost of the installation.
6. What about intruders? Towers are in some places classified as attractive dangers, which is why they might be to a neighborhood child with an urge to climb. Hollering is a deterrent, but not protection. Consider fencing in or cladding the lower tower sections so that the tower cannot be climbed.
7. Are any of the tower conveniences dangerous? Crank-up and tilt-over towers are convenient, but usually rely on cables, pulleys, and gearing to go up, come down, and stay in position.

Analyze the stresses on these auxiliary parts to ensure that they can safely handle the loads. Develop a maintenance schedule for inspecting and for replacing cables before their lifetime is ended. If they die on the job, disaster often results.

Insurance: Carry all you can afford that may be relevant to hazards that antennas may present. However, never let the existence of insurance be a substitute for the best possible practice in the installation and maintenance of antennas and their supports. The lives you preserve may include your own and those of your loved ones.

This is not a complete look at all the facets of antenna safety. We have not even reminded you to keep your antenna and supports well away from power lines. But perhaps we have said enough to prompt you to do a periodic inspection of your own safety measures – and perhaps some reading into the handbooks and other literature. The three key words are these: protect, divert, and prevent. They are three ways of saying that you care enough to do the very best.

ELECTION 2018

CALL FOR NOMINATIONS

10-10 International holds an election every two years. In the year 2018 we will be electing the President, Vice President, Secretary, and three (3) Directors, whose terms will commence January 2019. The organization does not run itself, so if you have ever thought about participating in the running of our organization, this is a great opportunity to do so! Nominations must be sent to the Nomination Committee prior to May 1, 2018.

The Nominating Committee develops a slate of eligible candidates by June 1, 2018. The chairman of the committee will provide each potential nominee with information regarding eligibility and specifying the information required by the committee. The chairman of the committee will notify members selected by the Nominating Committee, in writing. Members not selected by the committee may petition for candidacy by having a petition signed by 50 full members and presented to the Secretary by July 1, 2018. A nomination information form is required and is available from the Nominations Committee Chairperson. Further questions concerning the election/nomination process may be addressed to Paul Hemby, WN4AMO - 40601 Thomas Boat Landing Road - Umatilla, FL 32784-9702 - phemby@hotmail.com.

QUALIFICATION FOR NOMINATION TO BE AN OFFICER OR DIRECTOR OF 10-10

In accord with the bylaws, no member of 10-10 may qualify for nomination to be an Officer or Director of 10-10 unless he or she has been a full member for more than four (4) years immediately preceding his/her Nomination, and that he/she can show that their membership will remain current during the period of the office they are seeking. The Nominating Committee or Petition for Candidacy are the only methods to be used by members who wish to be nominated.

SELECTION BY THE NOMINATING COMMITTEE

The Nominating Committee is charged with the task of selecting from those who indicate a desire or willingness to serve as an Officer or Director and to form a slate of candidates who the committee believes represent the best qualified candidates from information submitted to the Committee.

PETITION FOR CANDIDACY

Members and nominees not selected by the nominating committee may petition for candidacy. Such petitions shall be signed by 50 full members and submitted to WN4AMO by July 1, 2018.

BIOGRAPHICAL SKETCH

All Candidates, whether selected by the Nominating Committee or by Petition, must submit a biographical information form and biographical sketch. The Nominating Committee will use this information in the process of selecting a slate of Candidates. Those who petition for nomination must submit a biographical information form to be provided by and returned to the Secretary. This biographical outline, not to exceed 200 words of narrative, shall be printed in the July 2018 issue of the 10-10 News.

NOTIFICATION OF POTENTIAL NOMINEES

The chair of the Nominating Committee shall notify members selected by the Nominating Committee to be candidates in writing. The chair of the Nominating Committee shall also notify, in writing on or before June 1, 2018, members who are not selected by the nominating committee, and inform them of the proper method of placing their names in nomination by petition.

ELECTION TIME LINE

☑ Call for Nominations will be printed in the April 2018 edition of the 10-10 NEWS.

1 May 2018 - Candidates must have names and bios to Nominating Committee.

1 June 2018 - Nominating Committee will develop slate of candidates and notify members who applied but were not selected.

15 June 2018 - Deadline for Petitions for Candidacy to Secretary.

Ballots and all Candidates' bios to be printed in July 2018 edition of the 10-10 NEWS.

1 October 2018 - **"In Hand"** Deadline for return of Ballots.

1 November 2018 - Election results posted on 10-10 Web Site.

1 January 2019 - Newly elected officers take office.

Election results posted in January 2019 edition of the 10-10 NEWS.

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

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.	10600	N1API	25468
6.	10000	K6PZE	1341
7.	9800	N5DAS	35877
8.	8800	AC6FU	10937
9.	8200	K5FBS	48461
10.	8100	WB3FGU	16728
10.	8100	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

DIGITAL AWARDS - First CONTACTS

NO.	CALL	10-10#
120	WA2HMM	40510

300 BAR

NO.	CALL	10-10#
12	WA2HMM	40510

AWARDS MANAGERS

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
Bar 1000+	Tony Lisnak, N2WIE, #66790	192 Greenvale Ave, Yonkers, NY 10703	(914) 476-4032	lisnak@optonline.net
VP Bar	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP WAS.	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP Lucky 13 . .	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
WAC	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	kevinemtid@tvconnect.net
Counties	Brad Kimble, K0DBK #55192	3855 66th St. E., Inver Grove Hts, MN 55076-2222	(651) 755-9192	kzerodbk@gmail.com
Countries	Mike Davidson, N5MT #24949	3518 Bellefontaine St. Houston, TX 77025-1310	(713) 668-8408	N5MT@aol.com
CW.	Lee Zalaznik, KI6OY #50948	334 Olivina Ave., Livermore, CA 94551-6137	(925) 455-0361	lee.zalaznik@sbcglobal.net
Digital.	Mel Sojka, KD5DE #33513	353 Atlantic Ave., Shreveport, LA 71105-2909	(318) 861-7012	kd5de@nwla.com
Mobile	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
OM/XYL.	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	buckml@lolo.net
WAS	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	wb0con@comcast.net
WPX	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	elbble@gmail.com
GB Counties . .	Mike Crawshaw, G4BLH #18446	Moved - New address coming	No Phone	g4blh@zen.co.uk
Scouts	Rex Landreth, KD6FEC #77131	30 Alida Road, Braintree, MA 02184	No Phone	kd6fec@gmail.com

A Compact Aluminum Moxon Rectangle

Editor's note: This article is a reprint of an article done by L.B. Cebik, W4RNL (SK), #41159 in a previous issue of this newsletter.

I often receive inquiries from folks who cannot support the width of a 10-meter Yagi (either 2 or 3 elements) because obstructions give them less than the 16.5' needed. Is there an antenna with decent performance that will fit in a space about 12-13' wide? If it can be home built to save money and require no fancy tuning or matching system, so much the better.

In fact, there is an antenna that fits this category almost perfectly. Imagine an antenna with the gain of a 2-element Yagi (6 dBi), the front-to-back ratio of a 3-element Yagi (>20 dB from 28.3 MHz), and an SWR of below 2:1 from one end of 10 to the other. In fact, imagine that the antenna has better than 15 dB front-to-back ratio at 29.7 MHz. (All figures are free space modeling estimates.)

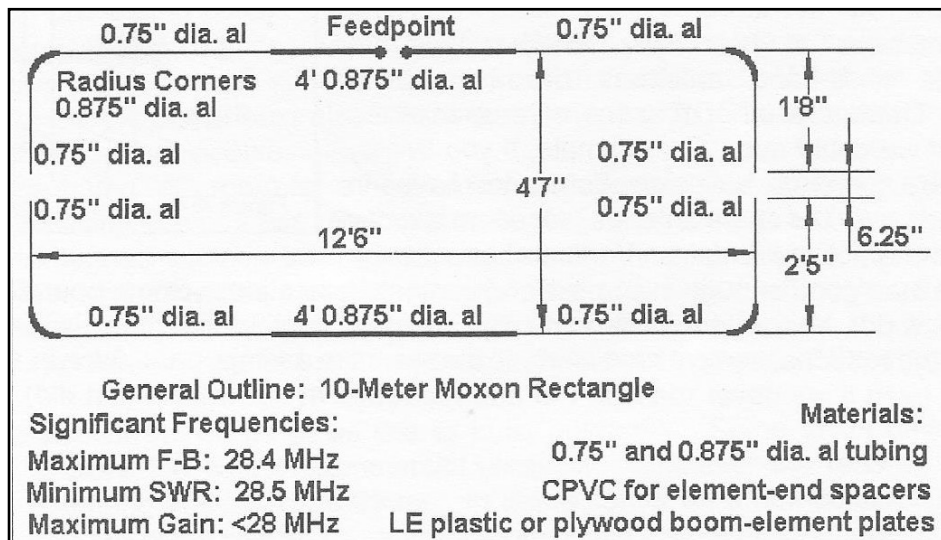


Figure 1. Construction Details for Moxon Rectangle Antenna

Imagine also that the antenna can be directly connected to 50-ohm coax with no matching system whatsoever (even though I always recommend a 1:1 choke balun). Imagine also that you can make it yourself from hardware store materials, that it will weigh about 10-15 pounds including the boom, and that you can make it in your garage with no special tools. Imagine also that when it is done, you will still have change from a \$50 bill.

The antenna is the Moxon rectangle. Past versions that I built using wire elements required lots of PVC to support them. However, if we translate the antenna into hardware store aluminum tubing, we can build a 1-boom version. Now peak at the sketch of the pieces in Figure 1. Some 7/8" and 3/4" diameter

aluminum tubing form the main elements, with 3/4" tubing for the side elements. The corners can use radius-bent tubing or be squared by making some corner supports from L-stock. The combination of 7/8" and 3/4" aluminum tubing lets you telescope the ends into the center for a precise fit or a center frequency adjustment.

Since the end spacing and alignment is critical to make the antenna give its full performance, you can slide a piece of CPVC or similar lightweight, durable tubing either inside the ends of over the ends and lock them in place with sheet metal screws. The rigid spacer is also a good idea to limit the twisting force placed on the curved or right-angle corners. Sheet metal screws also connect the 3/4" and 7/8" tubing together. Be sure that all hardware screws are stainless steel.

For element-to-boom plates, you can use a durable material. Spar varnished 3/8" plywood or 1/4" LE plastic make good plates. About 3" by 9" (or longer) plates give ample room to U-bolt the elements to the plate and have room for U-bolts that go over the mast. As with all good antenna structure, let the elements hang under the boom. What boom? Well, almost anything, from 1-1/4" nominal diameter PVC to good grade of aluminum tubing (thicker-wall than the usual 0.55" hardware store variety) to a 5' length of spar varnished 1.25" diameter closet rod. Make up a boom-to-mast plate similar to the boom-to-element plates, only a bit more square, and you are in business.

The dimensions of the antenna in the drawing are too fussy, being direct translations of the computer model used to generate the antenna. Just try to keep the dimensions within about 1/4" of the drawing, and no one will be able to tell any difference in performance. Squaring the corners or missing the dimensions by a half inch will shift the performance centers by about 100 kHz at most. In most cases, you will not be aware of any difference at all.

Note that the antenna is just about 12.5' wide and under 5' front-to-back, for a turning radius of about 6'8" or so. Strapped up on the side of the house, the antenna is unlikely to overhang the neighbor's yard line. The antenna is light enough for hand rotating, but an old TV rotator might come in handy. Because of the antenna's characteristics, you may not need to rotate it much.

The pattern, Figure 2, shows the optimal front-to-back ratio in azimuth patterns 20' and 35' antenna heights. Note the very broad forward lobe that is almost a cardioid, giving reception and transmission as wide as your peripheral vision. Behind you is silence – or at least a large dose of silencing. Les Moxon, G6XN, uses a wire version of the antenna with both elements remotely tuned: that way he works the world just by electrically reversing front and rear elements with a fixed mounting. If you want to learn more about Moxon rectangle, find the Spring, 1995, issue of *Communications Quarterly*, and look at page 55-70.

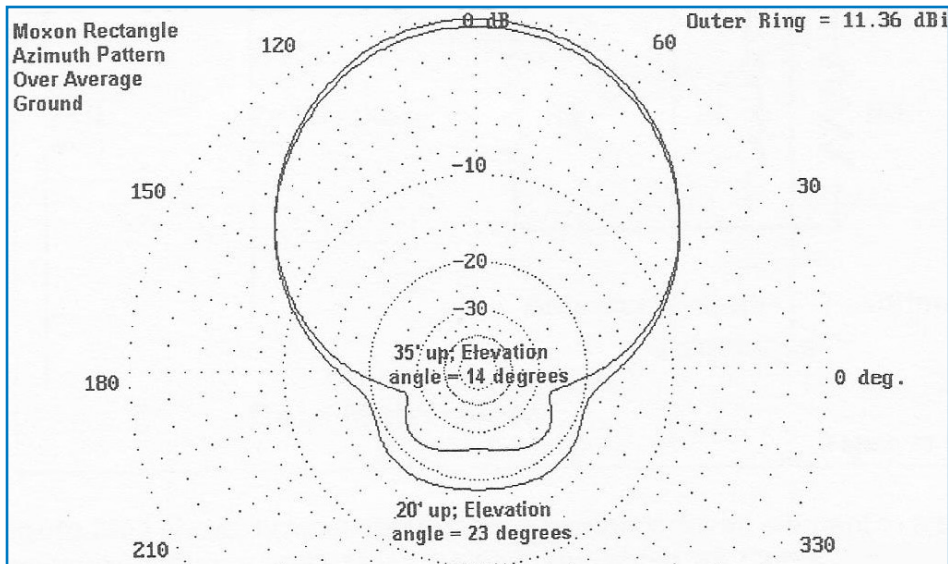


Figure 2. Radiation Pattern for Moxon Rectangle Antenna at two heights

It is unlikely that anyone will ever produce this beam commercially, since it is a monobander without the super gain that avid DXers and contesters crave. You can only get that kind of performance from many Yagi elements. However, you can build your own compact antenna with a pretty good chance of success on the first try. It will beat a fixed wire dipole or a vertical hands down. So if you need a compact 10-meter beam for your compact home site, then you might roll your own version of the aluminum Moxon rectangle.

For further details on the construction of this antenna, see *The ARRL Antenna Compendium*, Vol. 6 pp. 10-13.

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.

10 Meter Beacons

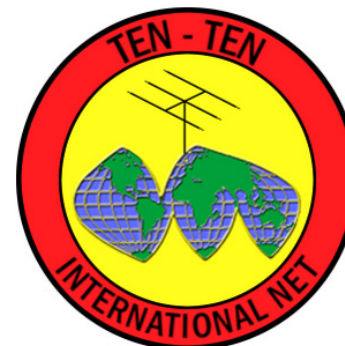
As 10 meter operators one should be aware propagation beacon frequencies are coordinated.

I would appreciate a message from anyone with thoughts of activating a beacon. wj5o@amsat.org

73 Bill WJ5O

IARU Region 2 HF Beacon Coordinator

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



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.

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 2018

AD4RX, Roger.....	Director/Publications Manager	KZ3T, Dan.....	QSO Party & Awards Manager
AJ7B, Randy.....	Newsletter Editor	N0KDB, Ruth.....	SK Manager - Retired
G4BLH, Mike.....	Awards – GB	N0TW, Terry.....	President
K0DBK, Brad.....	Awards – Counties	N2WIE, Tony.....	Awards – 1000+ Bars
KD2NOM, Mark.....	SK Manager	N5MT, Mike.....	Awards – DX
K4QHH, Bob.....	Award Manager-Mobile & VP	N6ELK, Louise.....	Net Control
K5BKT, Peggy.....	Committee Member	N6OPR, Bob.....	Director/Net Manager
K5ERJ, Ed.....	Committee Member	N7YG, Jeff.....	IT Manager
K6DNR, Bob.....	Net Control	N9AC, Gerald.....	W6OI Trustee
K6RDK, David.....	Data/ Membership Manager	NP2MR, David.....	Committee Member
K7CWS, Ray.....	Net Control	NZ1I, Kevin.....	Secretary, Awards WAC
KA0ZPP, Jim.....	Director/Chapter Coordinator	VE7SSJ, Garry.....	Committee Member
KA5VVD, Bob.....	Committee Member	VE3MEW, Bill.....	Committee Member
KC1BTA, Jason.....	Scout Award Manager	W4MAA, Bobby.....	Committee Member
KC8IM, Dan.....	Net Control	W5DJT, David.....	Committee Member
KD5DE, Mel.....	Past President	W9HT, Joshua.....	Vice President
KD6FEC, Rex.....	Scout Certificate Manager	WA2SUH, Larry.....	Scholarship Manager
KE1HG, Charles.....	Committee Member	WA3GM, Greg.....	Director
KF4WKY, Mike.....	Net Control	WB0CON, Eva.....	Awards – WAS
KI6OY, Lee.....	Awards – CW	WB6OBJ, Arnold.....	Net Control
KM5EH, Marcus.....	Director/Awards Manager	WB9WZI, Alan.....	Net Control
KM5FF, Eddie.....	Awards – WPX	WI9X, Jim.....	QSL Bureau Manager
KQ4PK, Robert.....	Net Control	WN4AMO, Paul.....	Director/Publicity
KR7RK, Keith.....	Treasurer		

RULES FOR THIS EVENT AVAILABLE AT WWW.TEN-TEN.ORG IN THE QSO PARTY HANDBOOK

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 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 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 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

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 \$25 or more you are eligible to receive a current year's lapel pin as a thank you gift. 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 centering 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 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 insure 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 8 days after the entry deadline, regardless of postmark, will be discarded. LOGS MAY BE SENT VIA Email and/or uploaded to the KJ4IZW contest scorer. Q95 files are not a proper format nor are they readable, therefore, they will not be accepted.

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 8 calendar days (this will always be a Monday) after the close of the event. Entries for the Sprint (held on 10/10) shall be postmarked no later than October 18th, unless that day falls on a Sunday or holiday, then the postmark deadline shall be October 19th.

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 8th 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 0000 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 QSO Party event - name, call, QTH, and 10-10 number if one is available. As contacts are made, provide info on the 10-10 organization and where to find our website - 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.

2018 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. Members are encouraged to upload logs at the KJ4IZW con-
test scoring web site: www.hamclubs.info/scorer.