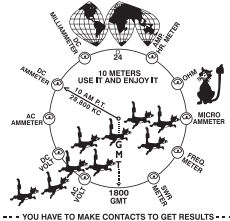


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**

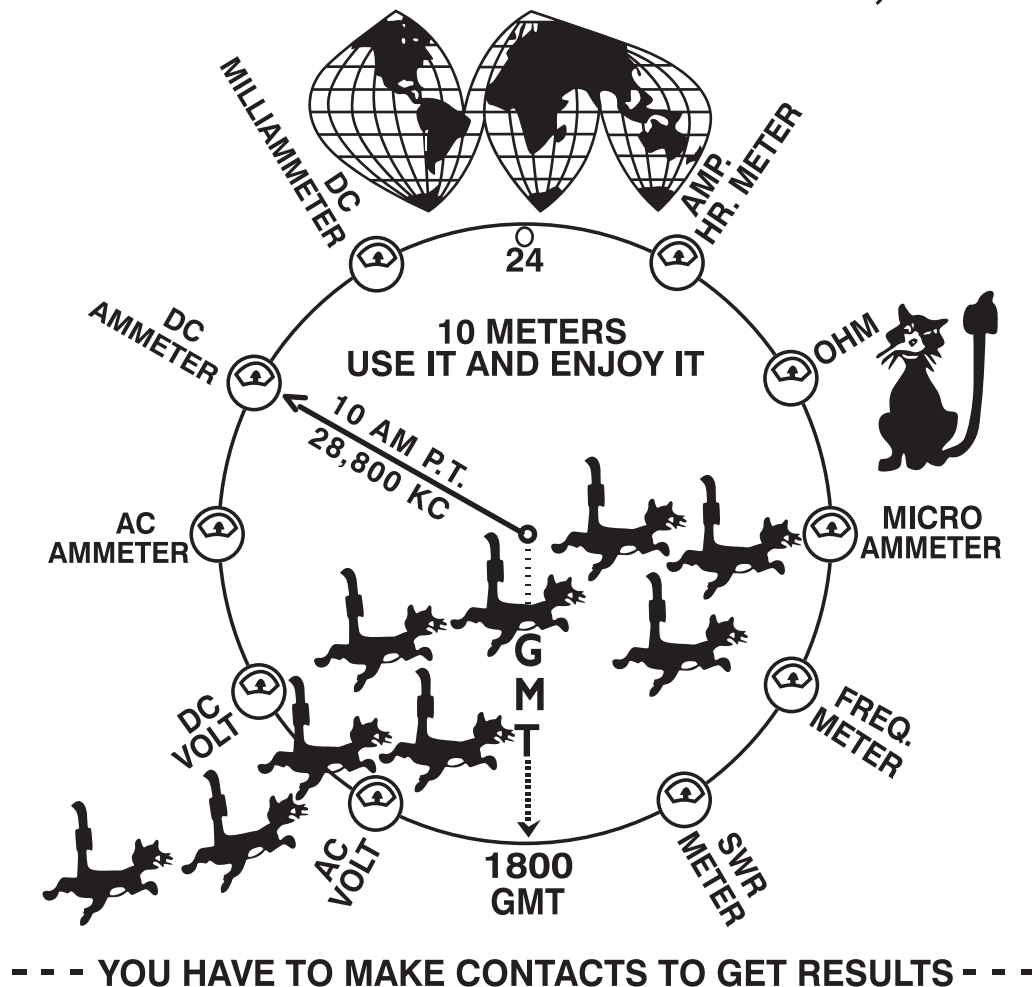


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News items should be sent to the Editor. Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted must be typed, sent on computer disk or E-mail. Suitable formats will be provided upon request.

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 December 2017

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 Manger

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

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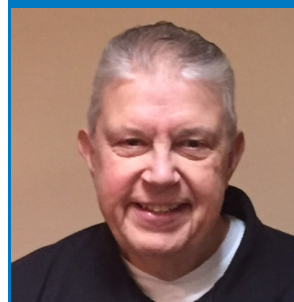
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From the Editor

Randy Mather, AJ7B
 (#7675)

In addition to the authors of the regular articles we have in this issue, I want to thank Charles Rankin WA2HMM #40510 for his input on FT8 Transmissions, Alan Kaiser, #25468 for his input on the W1RNG Club House, and Jim Stoeber, WI9X #49635 for the CW Corner article. These articles not only help fill the pages, but make the newsletter more personal. I am sure the readers find these types of articles interesting and informative. There is a need for more of these articles. Please share your experiences and knowledge with other members by submitting an article for the newsletter to me at editor@ten-ten.org.

I am sure you are all aware of how difficult it is to make a contact on 10 meters these days. In the last three months, I think I have only been able to hear a daily 10-10 net three times. These propagation conditions are very discouraging to say the least.

I did some research and looked up the number of logs that were submitted for the annual ARRL 10-Meter contest. A record number of logs were submitted for the 2014 contest: 5488 logs. In 2015, only 1049 logs made it to the ARRL. The QST article on the 2016 contest didn't even mention the number of logs submitted. I am guessing it wasn't a very big number.

Just keep calling and look for those openings that can and will occur. There is the 10-10 Fall CW (Oct 21-22) and Digital (Nov 11 -12) contests to try and make contact. And don't forget ARRL's 10-Meter contest (Dec 9 – 10). As Harry, K3HS, pointed out in his letter to me (See Letter to the Editor in this issue), "You Gotta Make Calls if Ya Wanta Get Results."

Hang in there and keep calling. I hope to hear you on a 10-10 net or catch you working one of the 10-Meter contests.

73



From the President

Terry Webb N0TW
#36547

A lot has happened to my life in the past 3 months and not very much of it concerns ham radio. I have recently remarried and am now getting used to having a partner once again. Her name was Susan Dioquino and she is now Susan Webb. Not yet a ham but we are working on it. She is quite fascinated with ham radio but it is like a new language for her – still has a lot to learn about the hobby.

I have received a suggestion from one of our members to revise the rules governing our QSO Parties. Since this item involves our members, I think we should have some discussion from interested members regarding the proposed changes. The following changes are proposed:

QSO Party Proposed Rule Changes

1. Establish Low Power as a classification for those stations running 200 watts or less. This will establish QRP, Low Power, and High Power as entry classifications for power levels. This will establish a distinction between stations running low power versus high power. Right now, there is no distinction in power levels between low and high power and this is a definite disadvantage to those stations running 200 watts or less.

2. Change the award structure from CALL AREAS to ARRL Divisions. This will increase the number of awards from 10 to 15. This will encourage the Northwest and Midwest areas to submit logs.

I felt this topic should be openly discussed by our members rather than giving it to the Board of Directors for discussion. Participation in the QSO Parties has declined and we need to modify the rules in order to make the QSO Parties fairer and hopefully more enjoyable.

Please send any comments on the above recommended changes to me at n0twterry@yahoo.com. I will review your comments and report the findings in the next newsletter.

Ten Ten will be represented at 11 Hamfests this year. We rarely break even for these events, but it is important that we keep up an appearance. We have eliminated having Board of Director meetings in conjunction with the Dayton Hamvention and this has reduced our expenditure considerably. I

would encourage any of you who have a local hamfest to request literature from WN4AMO if you want to set up a booth at your local hamfest. We should thank all members who have given their time and expense for manning booths at these events. The German 10-10 members set up a booth at the Friedrichshafen Germany hamfest this year. A special thanks goes out to them for helping to promote our organization in Europe.

QCWA 70th Anniversary Charity Cruise will take place October 18 thru October 29. This 11-day cruise will visit lots of Caribbean islands and gives an opportunity to work hams operating maritime mobile while they are cruising. I had originally planned to make this cruise but personal reasons caused me to cancel. I was going to do a 10-10 forum during this cruise so unfortunately this will not happen. Hope you get a chance to work hams while they operate from Holland America's MS Koningsdam.

Sad to see more chapters folding. With poor propagation it is difficult to keep many of the chapters functional. My thanks to those chapters who stay functional during these difficult times.

And, the daily 10-10 nets (28.380 and 28.800 Mhz) still struggle to keep active during these poor propagation times. Since I am a net control station, some days there are no check ins and the next day there are more than 20. With the band conditions as they are, there is no way to determine whether there will be any contacts or not.

Congratulations to WA2HMM and 4X6DK for submitting Country Awards upgrades. Charles WA2HMM received an upgrade for 65 countries and David 4X6DK for 100 countries. There have been just 52 awards for working 100 10-10 countries since the inception of the award so this is a great achievement.

During poor propagation time periods, it may be time to review your 10 meter antenna. Verticals do not offer any gain so it may be time to upgrade your antenna to one with gain, either a beam or quad. I run a 4-element quad and am very pleased with its performance. One benefit of quads is they work pretty good even at a low mounting height.

I would encourage everyone to keep their dues up to date. Also, the scholarship fund could use your donation to help defray the (5) \$2,000 awards that 10-10 issues each year. I think the scholarship donation is one of the most important functions of our organization. Helping others with their education is a valuable asset.

Remember that your Board of Directors is here to serve the members. Any questions, concerns, etc. can be addressed to any of the BOD members.

PAST PRESIDENT'S AWARD

Mel Sojka is presented the Past President's award after serving two terms (4 years) as the 10-10 International Net President. Mel is still active as net manager of the Steamboat Plus chapter as well as the Digital Awards Manager.



Thanks Mel for your service. When you work Mel on the air, give him a big thank you.

Ten-Ten Top Operator Award

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

The Top Operator and Net Control for Q3 are:

Operator - **N5XZ Allen Brier #4530**

Net Control - **N6OPR Bob Farrow #45715**

NEW LIFE MEMBERS

05109	N6OA	Vincent A McKeever	FL
26737	N4CCJ	Donald J Conrad	KY
47239	N3FP	Fred Peters	GA
56394	ABØC	Paul R Poteet	MO
64874	N8XWB	Robert A Miller	FL
73827	N7RAA	Al Penaluna	NV
76023	AE5JD`	Barton B Davis	TX
76822	N6MSY	Pierrot P Couch	CA
77566	K5GZR	Rick Hall	TX
77579	K4PGM	Paul Melvin	NC

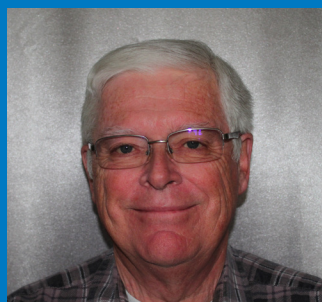
W1NRG CLUB HOUSE AND SHACK.



We have three antennas for HF plus a number of VHF and UHF antennas. For HF we have a T6 Beam, G5RV and Fan Dipole.



We have two brand new FT-991A radios, a Ten-Tec Tuner and Ameritron AL-811H Amplifier. W1NRG is the head station for The Castle Craig Chapter of 10-10. 10-10 # 29650.



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 January, February or March, please let me know so I can include the details in the October newsletter.
- 3) Reminder of Quarterly Reports Due: **Past Due** (no report received during the prior quarters when due): 10 Bar-X, Bauxite, Down Under, Houston S.H.O.T., Louisiana Pelican, Major League Baseball, Space Coast, Twin Cities. Reports received after September 3 (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 fourth quarter: Castle Craig (Dec), Chesapeake Bay (Sep), Minuteman/Old Ironsides (Dec). Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2016 in which the last report was received.

CHAPTER NEWS

- 1) Since CH Mac, K6VMN, became a Silent Key in 2016, several members of **Channel Islands** still are trying to resurrect the chapter. The status and activity are uncertain and may become QRT.
- 2) **Cincinnati Area Ten Tuners (CATT)** is adding a new net on an experimental basis. Immediately following their normal net on 28.800 MHz, Wednesday at 0100 UTC, they will QSY to 28.490 MHz to see if they can pick up new licensees. If they receive enough interest, they will consider making the new frequency permanent.
- 3) **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.

- 4) We have a **New Chapter. Southern Illinois Ten Meter Club** has been accepted. Their net meets 0100 UTC Monday on 28.405 MHz. CH is Rich, N9XCO, #77527, in Centralia, Illinois. Check them out and welcome them to Ten-Ten!
- 5) **New Waterkant** net has reluctantly gone QRT when CH and CM moved to an area with antenna restrictions. We will miss them and wish Manfred, DL8LAC, and Wolfgang, DK7LA, well.
- 6) Chapters below accept email upgrades as of May 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)

Alti – 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@arri.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 – CM K7PRZ, radio97228@gmail.com

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

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

Down Under – CM ZL1AFU, zl1afu@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

New Waterkant – Now QRT **

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

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

Restoration Project – CM VA7GY, ve7ssj@shaw.ca

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

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

Space Coast – CM K5FBS, k5fbs@yahoo.com

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

QSL Bureau News

Things at the QSL Bureau remain slow, primarily due to poor propagation. I do have a few notes to report.

I acknowledge one envelope received here for Howard Sine, WB4WXE, #7010, of Decatur, Georgia. I also received one outgoing card from Dale Long, N3BNA, #32100, of Lititz, Pennsylvania.

On August 3, the postman brought me a nice gift from John McCrevey, AD5IF, #73372, of Houston, Texas. Enclosed were two books of 20 stamps each. They went to good use in aiding me in my efforts to clear out the pending cards file – the file that contains the cards of those who do not have envelopes at the Bureau. I wish to graciously and humbly thank John for his donation. Should any of you also feel led to donate stamps for said purpose, they can be mailed to my address below, and my address is also good on your favorite database, such as the FCC and QRZ.

73,

Jim Stoeber, WI9X #49635
8829 Bermuda Ave.
Caseyville, IL 62232

HAMRADIO IN GERMANY

HamRadio was held in Friedrichshafen Germany from July 14 thru July 16, 2017. Many 10-10 members visited the booth. Hanse, New Waterkant, Neanderthal, and Branding Iron gave their meeting seals. They held a 10:10 UT net on Saturday (July 15) with 66 participants. Not all had 10-10 numbers. In 2018, HamRadio will be in Friedrichshafen.



Supporting the 10-10 Booth at HamRadio are (l-r) Jurgen Radtke DL5HAN #69621, Henry Ringleb DL8YBM #36109, Elke Radtke DL5HCN #69620, Marianne Dethlefs DJ3LA #70617, Irene (XYL to DL8YBM), Monika Voits DB9DF #74506, Peter Voits DL6DK #39944, and Wolfgang Dethlefs DK7LA #66048.

I got a new car a month ago and a few days ago I parked and was checking the instrument panel and the odometer mileage was 1010 so I had to take a photo. The car is a Toyota Prius Prime.

Jim Stoeber, WI9X #49635





DX News

Mike Davidson, N5MT
(#24949)

There was a 10-10 table at the Irving TX hamfest on June 9-10th with the help of our past President, Mel KD5DE #33513 and myself. We renewed about ten members and received a few scholarship donations for our efforts. The crowd at HamCom was twice the size of the Houston hamfest in March, as there is a bigger ham base in the Dallas - Fort Worth area. We logged a lot of names in the 10-10 table sign-in book.

The season has changed to Fall for us in the USA and propagation on Ten is unpredictable but we do have days when there is one hop E-propagation. I try to check-in to the daily net on 28380 at least twice a week but my average is I can only hear it once a week. Our Field Day outing this year was a great success. We had about 150 contacts on Ten plus some contacts on 6 Meters! Propagation was not as good on 20 meters but we did make more contacts this year with a better SSB setup with two new antennas.

The Summer QSO Party 2017 had better propagation than the previous year. This year, I made 363 QSOs, had 43 new 10-10 members and six DX contacts, which was a hundred and fifty more than last year. The station that won the contest was AI N5XZ, who made one big contact with Europe when a station from Sardinia Italy called him.

The range of solar flux has set a record of being less than eight points from the high and low for the month of June 2017! The high was 79.4 the low 71.5, a difference of 7.9! This is another indication that the cycle is reaching its end.

I still 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 the rest of Cycle 24 and Cycle 25 is expected to start about the fall of 2019. I just submitted my daily and contest logs to the LoTW system so be sure to upload your logs at least each quarter! North Korea P5 still is the number one most wanted country/entity for many hams that missed it in the past.

Countries Award: There was one Basic Countries Award submitted and two upgrades issued this quarter. There have only been two members that have ever turned in a batch of 100 countries and we got one from David 4X6DK #36972 this past month. All 100 of his contacts were validated OK and I

mailed his certificate to him airmail back to Israel. During the past ten years we have only had twenty-five Basic awards issued. There have been 117 member applications in those ten years with an average of 183 upgrade apps submitted. Each app averaged about 9 countries so I verified at least 1650 countries over ten years. So be sure to read the Rules at the 10-10 website for all awards and do not make a mistake. If you apply for any award, get the correct forms at the 10-10 website.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

9H Malta. Haru **JA1XGI** #55571, was active as 9H3XG from Malta from June 7-12th but no reports on Ten meter.

E5 S. Cook Islands. Doug **W6HB/E51DLD** #58854, returned to Rarotonga for his 5th trip to the island. He arrived on August 27th, with his wife and will leave Sept 8th.

EA Spain. Rene **DL2JRM/EA1** #69623, was on Arosa Island Spain from August 16-18th, mostly on CW.

FP St.Pierre & Miquelon. Eric **KV1J** #31247, returned for his 11th trip to Miquelon from July 4-18th. LoTW. Website: www.KV1J.com/FP/July17.html.

GB England. Cis **ON6LY** #73607, operated briefly in the IOTA contest July 29-30th as GB9IOW with friends.

HL South Korea. Mike **K5MDK/HL5ZEG** #75783, was in S. Korea in July/August but was not able to operate.

PJ7 St. Maarten. John **PJ7/W9KXQ** #20018, operated from St. Maarten from June 14-28th but no reports on Ten.

TI Costa Rica. Kam **N3KS** #11541 and friends, used call TE8DX on Chira Island, Costa Rica from June 8-12th.

V3 Belize. Bob Church **K7YB** #35676, has moved to San Ignacio, Belize and is using call V31YB. Bob has operated from Belize in 2013/2014 with the same call.

Z2 Zimbabwe. Tom **KC0W** #67688, was back on the road again from Zimbabwe Africa, using call Z25DX until June 17th on CW, all bands. No LoTW.

UPCOMING DX & NEW 10-10 ACTIVITY:

3Y0 Bouvet Island. Two members have been issued a license for Bouvet Island: Dmitri **KP2P/RA9USU** #54234 and Mark **ON4WW** #49103. Another DX group have plans in early 2018 to go to Bouvet, so will the two groups conflict with each other? Web: www.bouvetdx.org.

5W Samoa. Al **K7AR** #2736, will be going to Apia, Samoa from September 19 -

29th on a vacation. He will try to operate with the new FT8 digital mode. LoTW.

8P Barbados. Mac **WT4BT** #76242, will be in Barbados with friends starting November 4-10th at New Moon Villa in Upper Carlton on the beach. www.qrz.com/db/8P9MT.

9U Burundi. A DXpedition to Burundi Africa, will take place from November 6-17th by a large group. Team leader is Antonio **IZ8CCW** #70101 and the other 10-10 member is Gerard **F2JD** #63443, who likes CW. Good luck.

A2 Botswana. Andre **NJ0F/ZS6WPX** #73604, is setting up station A25A in Gaborone, Botswana starting October 25th to November 2nd. The station will be offered for use to others in 2018 so contact Andre VanWyk as needed.

FJ St. Barthelemy Island. A group of four operators will be on Pointe Milou, St. Bart from October 17-26th. The only 10-10 member is Greg **W0ZA** #15171. They will operate CW, SSB and RTTY into a SteppIR vertical and a big Hexbeam, on whatever band is open. Good luck.

FS/PJ7 St.Martin & Sint Maarten. Jim **K3NK** #25287 and W3HNC, will be on the islands from October 23rd to November 1st during the CQ WW DX SSB contest. Outside the contest, he will use PJ7/K3NK and FS/K3NK.

KG4 Guantanamo Bay. Bill **W4WV/KG4WV** #26180, will arrive in Gitmo on October 6th for a two week stay. Look for CW, SSB and digital modes.

KH1 Baker & Howland Islands. A DXpedition to the 4th most wanted country will take place the third week of June 2018. A ship has been chartered, the US Fish and Wildlife has given their permission and a plan has started. Look for Don **N1DG** #27629 to be one of the co-leaders.

PJ4 Bonaire. Scott **W4PA** #40521 will lead a group to operate PJ4Q from October 23rd to November 1st. They will be in the CQ WW DX SSB contest and outside the contest.

T31 Central Kiribati. A twelve day DXpedition is being planned for October 2017 to Kanton Island using call sign T31W. Members are: Arnie **N6HC** #29959, and Gene **K5GS** #15119. Website: www.T31W.com.

VE Canada. Garry **VE3XN** #10120, has a special call VX3100 but has not been spotted on Ten by DXSummit.

VK9/M Mellish Reef. A DXpedition to Mellish Reef will take place from November 1-16th by nine operators using call VK9MA. The only 10-10 member is Hawk **SM5AQD** #52781. Mellish is the 29th most wanted country and their website is: <https://vk9ma.com>.

YN Nicaragua. Mike **AJ9C** #41205, will be using call YN2CC from November 21-29th for the CQ WW DX CW contest. He will operate SSB & RTTY other times. LoTW.

ZL New Zealand. Roly **ZL1BQD** #19039 could be using a special call sign ZL40BQD all year 2017. LoTW.

MISCELLANEOUS ITEMS & NOTES:

Propagation forecast: <http://www.solen.info/solar/>, www.SolarHam.net and <http://ARRL.org/Propagation>.

More propagation: <http://dx.gsl.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 67-90 during the fall months of 2017. The Fall Equinox is on September 21st, when HF propagation will shift to east/west propagation paths. Just a few days after the Equinox will be the start of our fall DX contest season in the US.

The peak solar flux of this cycle was in February 2014 with a value of 170.3. Our solar cycle #24, has been the weakest solar cycle in more than a 100 years and it is slowly going through the solar minimum phase which ends with the beginning of cycle #25, probably in twenty-five to thirty months. There have been a few CME flares on the sun this summer, but the X-ray output from the sun was minimal. I just saw the solar eclipse and observed three flares in the rim light, which was exciting! The natural cycle of the sun is still 11 years and we are now 8 2/3 years into cycle #24. I predict cycle #25 will start about the end of 2019 and it will be weaker than our current cycle #24!

The maximum solar flux for each month of 2017 was: Jan 87, Feb 83, March 91, April 112, May 82, June 79, July 95 and August 93.

The minimum flux for the same period 2017: Jan 71, Feb 72, March 70, April 71, May 69, June 71, July 68 and August 68. Note: A first for this cycle, in June, the flux stayed within 8 points of the high and low!

On September 1st, the solar flux was 93, the A index was 19 and K index 4. The sun has produced several solar flares that could be seen during the solar eclipse on August 21st. The solar flux high for August 2017 was 50 points lower than the May 2016 high of 123.

My Prediction: Over the next four months, the best conditions: Sept 17-21st, Oct 15-18th, Nov 11-13th, Dec 8-12th which is the ARRL 10 Meter contest weekend. For USA, expect slight chance of DX to Europe or Asia with a 25% chance of DX to S. America and the S. Pacific, later in the day. Listen to the beacons from 28.175-28.300 so you will know which direction the DX signal is coming.

New 10-10 DX members' June to August 2017: June: None; July: 77565 DO8ED; Aug: 77569 VA3QWW.

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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CW CORNER

CW on 10 meters since our last visit has been very slim pickings. In fact, I have to go back to February 19 to find my last CW contact on 10 meters, in spite of some nice Sporadic E openings and a handful of beacons being heard at my Illinois QTH.

In the absence of propagation, other Amateur Radio projects have been tended to, including the installation of a new homebrew dipole at 25 feet. This replaces the Antron 99 Vertical I purchased over the winter, which had an issue with the SWR wanting to jump around like a can of beans. This has gotten me on the lower bands, with efforts being geared toward finishing off my Senator Award for the Straight Key Century Club. This involved making 200 contacts with either Centurion or Tribune members of the SKCC, after the chaser of the award has obtained the Tribune. I currently sit at 164 of the required 200 contacts. While this sounds like a valiant feat, I have been working on that since 2013, so I have been rather slow in pursuing it, so now is truly the time. I am pleased to report that 78 of those 164 contacts were made on 10 meters.

I attempted to participate in the Spring 10-10 CW QSO Party back over the weekend of May 6 and 7. As was expected, I did not manage to make the first contact due to poor propagation. This surprised me since I thought I did rather well, given propagation, in the ARRL 10 Meter Contest back in December 2016. We can all cross our fingers and hope Sporadic E comes to the rescue this fall and we can all participate in some of the fine operating events coming up. This includes, but is not limited to the following:

- Sept. 9 & 10 – SKCC Weekend Sprint
- October 7 & 8 – SKCC Weekend Sprint
- October 21 & 22 - 10-10 Fall CW QSO Party
- November 4 to 6 – ARRL CW Sweepstakes
- November 11 & 12 – SKCC Weekend Sprint
- December 9 & 10 – SKCC Weekend Sprint
- December 9 & 10 – ARRL 10 Meter Contest

I encourage you all to keep sending me your notes with comments and ideas on the CW Corner, and I encourage you all to get on the air and have some fun! Keep 10 Meters alive!

73,

Jim Stoeber, WI9X #49635



Licensed at least 25 years ago and licensed today?

Then you should join the

Quarter Century Wireless Association, Inc.

To Join or Renew visit:

<http://www.qcwa.org/join-renew.php>

For more information please contact
om@qcwa.org



Net Report

Bob Farrow, N6OPR
(#45715)

Net reports for 2nd Quarter 2017

MONDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
3-Apr	2	0	3-Apr	12	0
10-Apr	2	0	10-Apr	8	0
17-Apr	2	0	17-Apr	12	1
24-Apr	2	0	24-Apr	7	0
1-May	2	0	1-May	9	0
8-May	2	0	8-May	8	0
15-May	2	0	15-May	12	1
22-May	2	0	22-May	10	0
29-May	2	0	29-May	11	0
5-Jun	11	5	5-Jun	11	0
12-Jun	13	2	12-Jun	13	0
19-Jun	2	0	19-Jun	14	0
26-Jun	3	0	26-Jun	12	1

TUESDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
4-Apr	7	1	4-Apr	x	x
11-Apr	9	3	11-Apr	x	x
18-Apr	5	0	18-Apr	x	x
25-Apr	3	0	25-Apr	x	x
2-May	4	0	2-May	x	x
9-May	5	1	9-May	x	x
16-May	18	2	16-May	x	x
23-May	11	5	23-May	x	x
30-May	29	8	30-May	x	x
6-Jun	8	1	6-Jun	x	x
13-Jun	7	0	13-Jun	x	x
20-Jun	5	0	20-Jun	x	x
27-Jun	18	3	27-Jun	x	x

WEDNESDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Apr	7	1	5-Apr	9	0
12-Apr	5	0	12-Apr	4	0
19-Apr	5	0	19-Apr	6	0
26-Apr	7	0	26-Apr	9	0
3-May	2	0	3-May	8	0
10-May	2	0	10-May	7	0
17-May	14	2	17-May	7	0
24-May	7	2	24-May	5	0
31-May	28	10	31-May	10	0
7-Jun	11	6	7-Jun	8	0
14-Jun	20	4	14-Jun	8	0
21-Jun	2	0	21-Jun	6	0
28-Jun	13	2	28-Jun	8	0

THURSDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
6-Apr	5	1	6-Apr	6	2
13-Apr	2	0	13-Apr	4	1
20-Apr	4	1	20-Apr	7	2
27-Apr	4	0	27-Apr	3	0
4-May	7	1	4-May	5	0
11-May	4	0	11-May	2	0
18-May	14	8	18-May	3	0
25-May	12	2	25-May	2	0
1-Jun	23	5	1-Jun	9	0
8-Jun	11	1	8-Jun	3	0
15-Jun	24	4	15-Jun	3	0
22-Jun	3	0	22-Jun	3	0
29-Jun	19	3	29-Jun	8	0

FRIDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
7-Apr	2	0	7-Apr	11	0
14-Apr	2	0	14-Apr	x	x
21-Apr	2	0	21-Apr	x	x
28-Apr	2	0	28-Apr	9	0
5-May	7	1	5-May	11	0
12-May	2	0	12-May	11	0
19-May	2	0	19-May	9	0
26-May	2	0	26-May	11	0
2-Jun	2	0	2-Jun	8	0
9-Jun	2	0	9-Jun	11	0
16-Jun	2	0	16-Jun	5	0
23-Jun	4	0	23-Jun	12	0
30-Jun	41	9	30-Jun	13	2

SATURDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
1-Apr	2	0	1-Apr	x	x
8-Apr	2	0	8-Apr	x	x
15-Apr	2	0	15-Apr	x	x
22-Apr	2	0	22-Apr	x	x
29-Apr	2	0	29-Apr	x	x
6-May	2	0	6-May	x	x
13-May	3	0	13-May	x	x
20-May	2	0	20-May	x	x
27-May	9	3	27-May	x	x
3-Jun	5	0	3-Jun	x	x
10-Jun	10	2	10-Jun	x	x
17-Jun	2	0	17-Jun	x	x
24-Jun	2	0	24-Jun	x	x

X = Net Called

HELLO OUT THERE WHERE EVER YOU MAY BE.

I would like to say a few things about your Daily 10-10 nets. The net(s) were formed in 1962 /1991 with the primary purpose of promoting activity and good operating practices on the 10 meter band. They are directed open nets and all licensed amateurs are welcome to check in. The Net Control Stations (NCS) call their daily net and report the results to me. I in turn make out a report each quarter to the Editor for your information.

Propagation has been poor to nonexistence. There have been very few openings for the NCS to work with. However, the NCS have been calling their daily nets every day on both 28.380 MHz and 28.800 MHz at 18:00z. Just nobody there. Where are you?

Making out this report for the 2nd Quarter of 2017 there have been several straight days with the band open somewhere. Usually the band opens to the Northwest (WA, OR, ID MO CO) and maybe TX and OK come through the back of beam. Then things change and here comes the East or Mid-West states. I guess what I am trying to say is, we are there every day except Sunday calling "CQ 10, CQ 10. Here is the 10-10 international net. PLEASE CHECK IN NOW!!!!"

Take Care and Stay Well

Bob N6OPR 45715
Net Management.

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**

10-10 Has Two Official Daily Nets

28.380 and 28.800 MHz

Both Run At 1800z

Every Day Except Sunday

Listen And If You Can Hear Us Join IN!!!



Mel Sojka KD5DE #33513 and Mike Davidson N5MT #24949 support the 10-10 booth at Hamcon in Houston TX.

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

COUNTRIES AWARDS

BASIC AWARD

NO.	CALL	10-10#
644	4X6DK	36972

35 COUNTRIES

NO.	CALL	10-10#
379	4X6DK	36972

45 COUNTRIES

NO.	CALL	10-10#
276	4X6DK	36972

55 COUNTRIES

NO.	CALL	10-10#
199	4X6DK	36972

65 COUNTRIES

NO.	CALL	10-10#
147	WA2HMM	40510
148	4X6DK	36972

75 COUNTRIES

NO.	CALL	10-10#
111	4X6DK	36972

80 COUNTRIES

NO.	CALL	10-10#
85	4X6DK	36972

85 COUNTRIES

NO.	CALL	10-10#
78	4X6DK	36972

90 COUNTRIES

NO.	CALL	10-10#
60	4X6DK	36972

95 COUNTRIES

NO.	CALL	10-10#
54	4X6DK	36972

100 COUNTRIES

NO.	CALL	10-10#
52	4X6DK	36972

WAC AWARD

NO.	CALL	10-10#
632	4X6DK	36972

WPX AWARD**BASIC AWARD**

NO.	CALL	10-10#
388	4X6DK	36972

Number BAR

NO.	CALL	10-10#
226	4X6DK	36972

Number BAR

NO.	CALL	10-10#
225	4X6DK	36972

Number BAR

NO.	CALL	10-10#
124	4X6DK	36972

Number BAR

NO.	CALL	10-10#
76	4X6DK	36972

Number BAR

NO.	CALL	10-10#
28	4X6DK	36972

Number BAR

NO.	CALL	10-10#
16	4X6DK	36972

AWARDS MANAGERS

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

dbmorris315@gmail.com
lisnak@optonline.net
rabisch@hotmail.com
rabisch@hotmail.com
dbmorris315@gmail.com
kevinemt1d@tvconnect.net
kzerodbk@gmail.com
N5MT@aol.com
lee.zalaznik@sbcglobal.net
kd5de@nwla.com
rabisch@hotmail.com
buckml@lobo.net
wb0con@comcast.net
elbble@gmail.com
g4blh@zen.co.uk
kd6fec@gmail.com



QCWA

70TH ANNIVERSARY CHARITY CRUISE

Message from the QCWA President

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

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

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

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

Cruise Itinerary

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

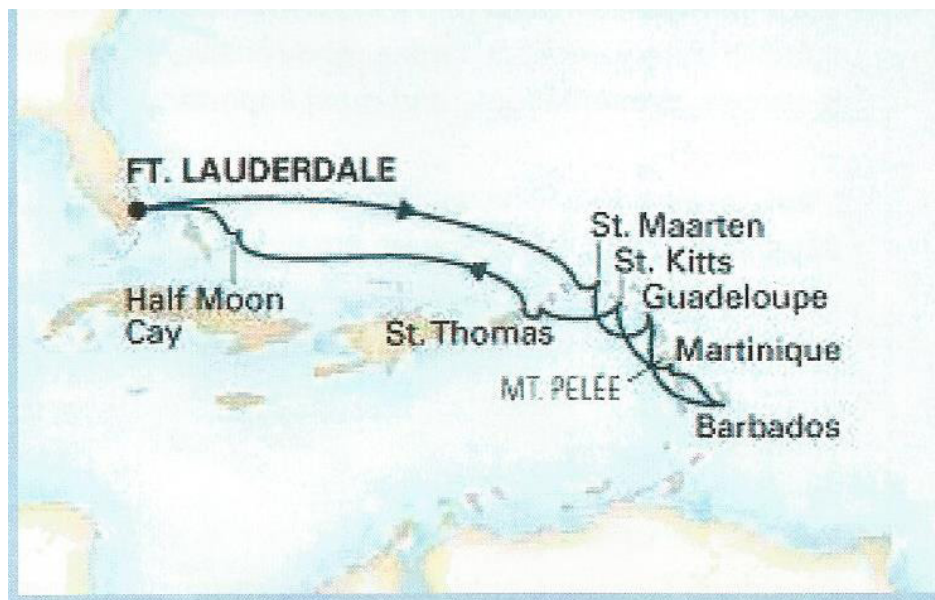
group functions, including complimentary cocktails parties, and receive a complimentary Pinnacle Grill dinner. Be part of the fun, festivities, presentations, and most importantly the camaraderie.

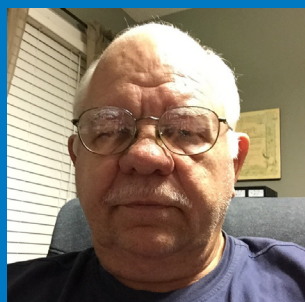
I look forward to sailing with all of you, leaving Ft. Lauderdale on October 18th, 2017 to share our experiences and memories on the high seas. We plan to have presentations on sea days, and if any of you cruising with us wish to present a program, we would love to hear from you. You can contact me personally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

73

Ken Oeike, VE6AFO

President, Quarter Century Wireless Association, Inc. president@qcwa.org





QSO Parties

Dan Morris, KZ3T
(#41015)

2015 OPEN SEASON QSO PARTY

JUNE 3-4

TOP TEN

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
1. WA2HMM	12	29	3	6	103
2. N3GTY	5	20	6	8	95
3. LA7VK	20	19	3	0	67
4. KD4BVG	3	15	3	6	66
5. KC4TVZ	3	15	2	6	63
6. NU4C	3	8	4	6	55
7. KA1AL	3	8	2	7	53
8. KD5DE	0	7	4	6	50
9. W4KRN	6	7	4	4	48
10. KT4Q	2	8	3	5	47

CALL AREA ORDER

CALL AREA 0

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
W0RTV	0	7	1	2	25
KD0OIX	0	4	0	1	12

CALL AREA 1

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
KA1AL	3	8	2	7	53

CALL AREA 2

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
WA2HMM	12	29	3	6	103
W2VTV	3	19	0	0	41

CALL AREA 4

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
N3GTY	5	20	6	8	95
KD4BVG	3	15	3	6	66
KC4TVZ	3	15	2	6	63
NU4C	3	8	4	6	55
W4KRN	6	7	4	4	48
KT4Q	2	8	3	5	47
K4QHH	1	6	1	7	44
AK4YS	0	8	3	4	41
KJ4RV	1	10	1	4	40
KZ3T	1	9	1	4	38
KM4ODS	1	8	2	3	35
N4ZCG	4	10	2	0	30
W8IM	1	14	0	0	29
KE4DEV	1	8	3	0	26
N4ERM	1	11	0	0	23
KA5VZG	1	2	0	1	9
KI4EVL	0	3	0	0	6

CALL AREA 5

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
KD5DE	0	7	4	6	50
KD5HIP	1	3	2	3	25
KA2ZGW	2	4	0	0	10
KN6Q	1	0	1	0	4

CALL AREA 6

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
AD6GE	1	7	0	0	15

CALL AREA 7

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
KA5DWI	1	0	1	4	20
KR7RK	0	1	0	0	2

QRP

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
N3GTY	5	20	6	8	95
KJ4RV	1	10	1	4	40
W8IM	1	14	0	0	29
KI4EZL	0	3	0	0	6
KI4EZK	0	1	0	0	2

COUNTRY ENTRIES**NORWAY**

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
LA7VK	20	19	3	0	67

VENEZUELA

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
YV5IAL	1	4	3	4	34

CLUB ENTRIES

CALL	W/O #	W/1 #	W/2 #	W/3 #	Total	OPS
K4MN	5	20	6	8	95	N3GTY

SPIRIT of 76**July 3 - 9****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. KD4BVG	64773	61	125	247
2. N5MT	24949	81	69	231
3. N4ANV	18712	43	44	130
4. K8DEL	2978	36	41	113
5. N1API	25468	14	9	37
6. W0RTV	13962	14	2	30

7. KM5FF	50356	9	0	18
8. N3GTY	50585	8	1	17
9. KZ3T	41015	8	0	16
10. AB6QM	63114	3	8	14

CALL AREA ORDER**CALL AREA 0**

CALL	10-10#	CTX W	CTX WO	TOTAL
W0RTV	13962	14	2	30

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	14	9	37
N1WVQ	73256	1	0	2

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KD4BVG	64773	61	125	247
N4ANV	18712	43	44	130
N3GTY	50585	8	1	17
KZ3T	41015	8	0	16

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	81	69	231
KM5FF	50356	9	0	18
KD5DE	33513	4	5	13
N5DTT	73679	6	0	12

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	3	8	14

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	36	41	113
KJ8O	75942	3	4	10

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	81	69	231	N5MT
W1NRG	29650	13	9	35	N1API

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
HOUSTON SHOT	3	474
NORTH GEORGIA	1	247
POSSUM TROT	3	163
CATT	1	113
CASTLE CRAIG	2	72
GATEWAY	1	30
NM MUD DUCKS	1	18
STEAMBOAT	1	13

2017 SUMMER PHONE QSO PARTYAugust 5 - 6TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N5XZ	4530	362	411	1135
2. N5MT	24949	193	170	556
3. K0NM	75901	162	149	473
4. NC0B	74875	173	125	471
5. N6OPR	45715	146	90	382
6. KD4BVG	64773	91	89	271
7. W5IDX	72320	96	54	246
8. DL8YBM	36109	46	123	215
9. KG5LRP	77474	84	40	208
10. KC6SEH	59098	76	41	193

CALL AREA ORDERCALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
NC0B	74875	173	125	471
K0PV	9902	33	11	77
KA0HZP	31562	18	1	37
K2HT	68440	17	2	36
W0RTV	13962	14	1	29
KD0FZT	77572	12	1	25
KB0NAV	77562	11	0	22
KC0VDY	72580	8	0	16
N0CUN	33031	7	0	14
WB0IWG	59356	5	0	10
KB0VVD	76047	4	1	9
KD0CVZ	75507	4	0	8

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	35	16	86
N1YKH	70147	24	17	65
N1JW	8993	13	2	28
KC1SA	77232	5	2	12
N1ZN	73599	4	2	10
K1YKH	74643	2	0	4

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	25	17	67

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
N3DUE	41066	8	0	16
WA3GM	46927	1	6	8
KK4FYV	76577	2	1	5
WW3MM	39524	2	0	4

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KD4BVG	64773	91	89	271
KQ4PK	63201	71	39	181
KM4ODS	77504	70	40	180
WB4WXE	7010	40	22	102
N4ZCG	56067	31	17	79
KM4IK	74624	32	15	79
N4ERM	34524	35	8	78
KJ4RV	37776	33	8	74
N4HWH	74998	29	7	65
WI4L	32076	24	13	61
AK4YS	75328	25	4	54
KZ3T	41015	16	4	36
AD4TT	47358	12	3	27

N3GTY	50585	13	0	26
KW4LU	77409	12	1	25
KK4AMR	76031	11	1	23
KC2PRB	75737	11	0	22
KM4AEM	77309	9	4	22
KI4EZL	74359	6	0	12
N3FNE	52799	4	0	8
KI4EZK	77510	1	0	2

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5XZ	4530	362	411	1135
N5MT	24949	193	170	556
K0NM	75901	162	149	473
W5IDX	72320	96	54	246
KG5LRP	77474	84	40	208
WG5H	77342	30	19	79
KD5DE	33513	31	14	76
W5TKZ	76490	31	8	70
N5DTT	73679	31	2	64
AD5IF	73372	20	2	42
KM5FF	50356	15	3	33
K5GZR	77566	16	0	32
NJ5T	58487	12	1	25
KD5ZD	37258	9	3	21
K5HGL	17149	7	1	15
KD5HIP	71476	5	4	14
KM5YX	54537	5	2	12
N5PWW	55863	5	1	11
N9JYJ	60206	4	0	8
KF5UNP	76785	3	0	6
W5TJS	76932	2	0	4

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
KE6FQC	69047	5	0	10

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
N6OPR	45715	146	90	382
KC6SEH	59098	76	41	193
KR7RK	63324	7	4	18
W7RTL	74645	5	0	10
AB7WP	77529	5	0	10
N7QOZ	62599	4	1	9

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	57	34	148
W8PJY	14574	39	11	89
W8KNO	71899	15	0	30
K8IZK	73889	14	1	29
KJ8O	75942	11	2	24

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
NR9K	77541	45	18	108
NA9A	31121	27	8	62
W9AQL	60273	24	3	51
KC9UNL	41234	14	0	28
WA9LJK	70789	10	8	28
N9VPV	75563	12	0	24
KC9TQU	77157	12	0	24
KC9BG	77557	6	0	12

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
AD5IF	73372	20	2	42
KI4EZL	74359	6	0	12
KI4EZK	77510	1	0	2

COUNTRY ENTRIES**CANADA**

CALL	10-10#	CTX W	CTX WO	TOTAL
VA3IX	76009	3	0	6

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	46	123	215
DL6DK	39944	53	12	118
DB9DF	74506	52	13	117
DH1PAL	69212	23	7	53
DF3TE	69610	23	6	52
DJ2YE	68904	23	0	46
DL1KDW	71010	9	0	18

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	193	170	556	N5MT
W4OIX	54432	71	39	181	KQ4PK
DF0AG	74925	53	12	118	DL6DK/DB9DF
DF0VK	75885	53	12	118	DL6DK/DB9DF
DL0BIC	77526	53	12	118	DL6DK/DB9DF
W5FMH	77568	41	21	103	KE0HWZ
W1NRG	29650	35	16	86	N1API
W5RRV	42114	31	14	76	KD5DE
DL0KAC	73416	22	0	44	DF3TE
DK0HHC	73417	22	0	44	DH1PAL
DK0DWK	73418	22	0	44	DH1PAL
K4MN	24874	13	0	26	N3GTY
DF0HHC	75921	9	0	18	DL1KDW

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
N5SAN	58403	17	8	42	0
K3JAG		10	0	20	0
KJ4LPI		9	1	19	0
AC8XO		6	1	13	0
VA2QR		4	1	9	0
MM0LID		4	0	8	0
ND4G	17096	4	0	8	0
KK1PMA	76948	2	0	4	K1YKH/N1YKH

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
HOUSTON SHOT	11	3461
POSSUM TROT	12	929
BRANDING IRON	6	804
MLB	1	382
NORTH GEORGIA	2	350
NEANDERTHAL	8	319
CASTLE CRAIG	8	295
CATT	2	237
STEAMBOAT	2	152
GATEWAY	4	104
LONESTAR	4	63
CITY OF LIGHTS	1	62

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>

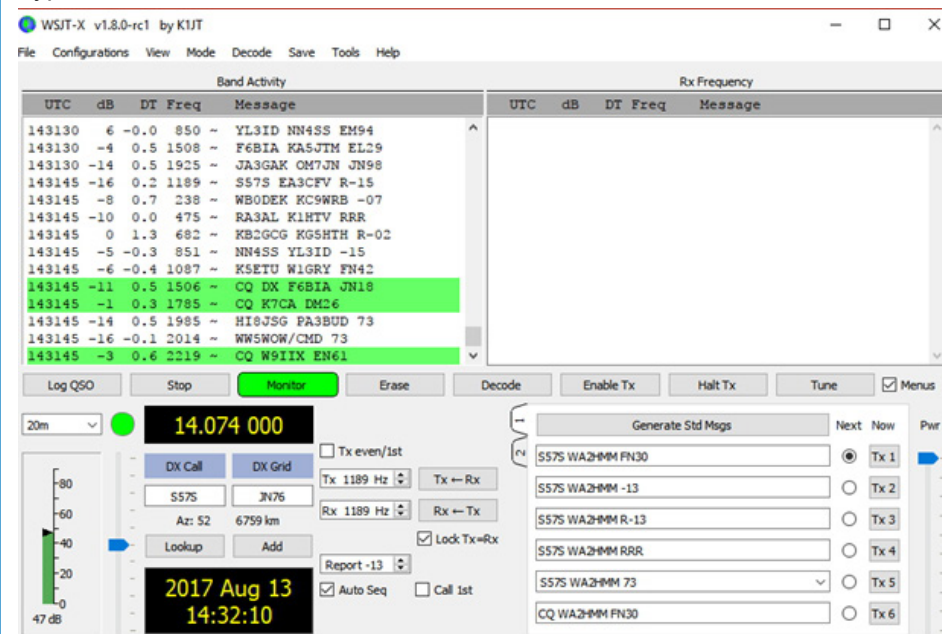
Some thoughts on FT8 mode.

First off, you MUST make sure you have an accurate and stable clock in the PC. I suggest you run a program to make sure, I am running "NetTime", it is FREE. Power is not required. QRO is 20 watts; typical station power is 5 to 10 watts. Almost any antenna will work. I have worked DX stations, which are running 2 watts and an indoor dipole, on 20 meters.

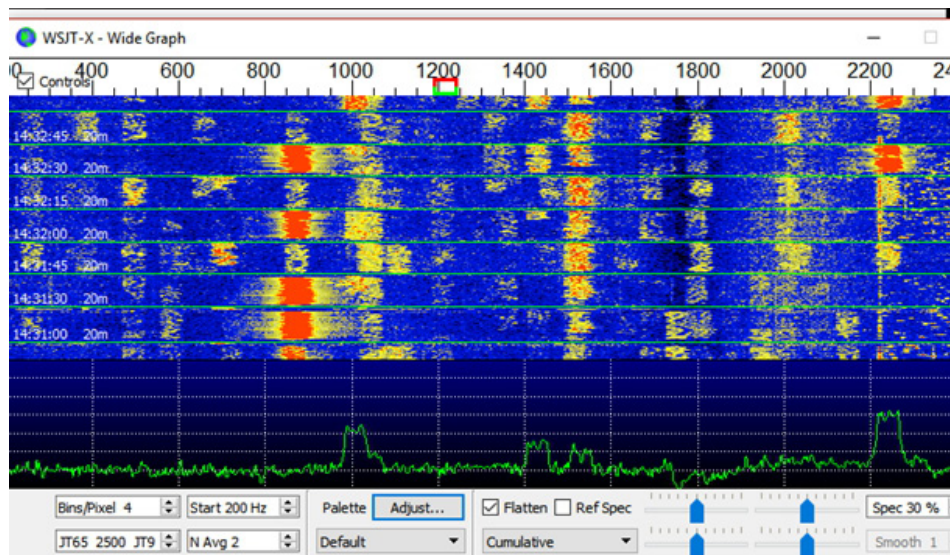
The FT8 software is FREE. It can be downloaded from the WSJT website. There is also a tutorial there, and it is well written.

Work DX with low power and a simple antenna; exchange 10-10 QSO info.

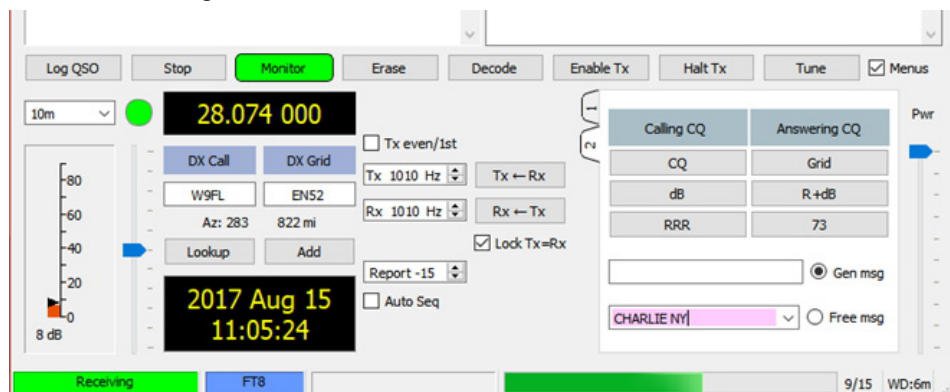
Typical screen:



Typical Waterfall:



Ten-Ten Exchanges:



Click on “File/Settings/TxMacros”. Type The Macros you want in the box and click “Add”. When done click “OK”

Make sure the “Auto Seq” box is NOT checked. Click on the “2” Tab”, Click on the :Free Msq” button.

Then the “Enable TX”, to send your info.

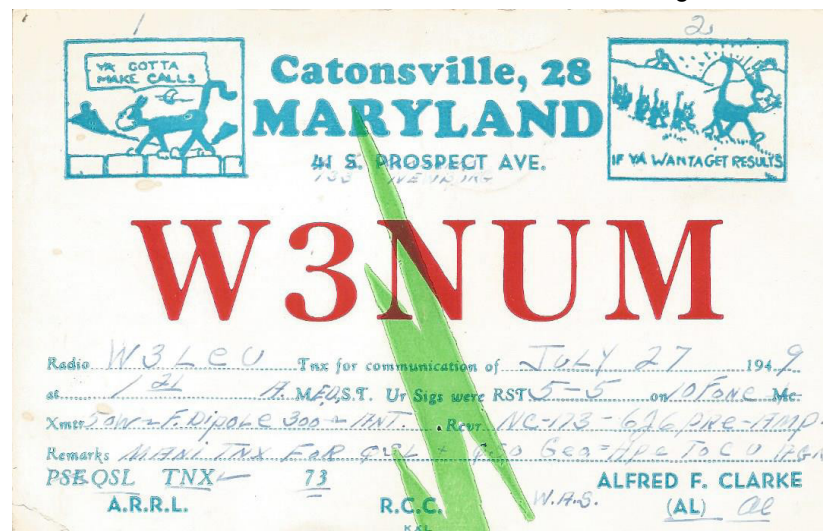
I'll see you on 28.074 MHz, TX/RX settings "1010".

73, Charlie. WA2HMM #40510

LETTER TO THE EDITOR

Here's one from the "For what it's worth department".

When I joined 10-10 back in the mid-1970s, the saying “You have to make contacts to get results”, as it appears on 10-10 paraphernalia never quite made sense to me. I always felt that the word “contacts” should have been “calls,” as the mother cat has “called out” to her kittens, which are heading in her direction.



An old-time ham from Delaware, George W3LEU recently became a silent key. Through another ham, I came into possession of his QSL card collection. Oddly enough, George W3LEU was an avid 10-meter operator.

Lo and behold, I found a 10 meter AM card from W3NUM dated July 27, 1949.

Guess What? The caption on the left side of the card where the mother cat is walking along a fence says, "Ya gotta make calls."

I'm just sayin.....

73, Harry K3HS #24554

TEN-TEN NET GUIDE

As of September 1, 2017

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SUN	0001	0100	Chesapeake Bay	Chestertown, MD	28345	WED	1700	1700	Gold City	Rutherfordton, NC	28425
SUN	0300	0400	Chief Seattle	Seattle, WA	28430	WED	1930	1930	Route-66	Boonville, IN	28370
SUN	1300	1400	Arlington	Arlington, VA	29200	THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350
SUN	1400	1400	Neanderthal Chapter	Leichlingen, DL	28355	THU	0100	0200	Gateway	St. Louis, MO	28650
SUN	1630	1730	Possum Trot	Raeford, NC	28345	THU	0100	0100	Cow Town	Arlington, TX	28460
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
SUN	1800	1900	Portland 500	Portland, OR	28350	THU	0230	0330	Windfarms	Livermore, CA	28485
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	THU	0230	0330	Up The Crick	Eugene, OR	28450
SUN	1930	1930	North Georgia	Atlanta, GA	28610	THU	0300	0400	Chief Seattle	Seattle, WA	28430
SUN	2030	2030	Santa Fe Trail	Galesburg, IL	28345	THU	1930	1930	Speedway	Rainier, OR	28350
SUN	2100	2200	Possum Trot	Raeford, NC	28150 CW	FRI	0001	0100	Fort McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	FRI	1400	1400	Hanse	Humburg, DL	28355**
MON	0100	0100	Lonestar	Arlington, TX	28460	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Aukland, ZL	28530
MON	0130	0230	Bauxite	Benton, AR	28470	SAT	0300	0400	Chief Seattle	Seattle, WA	28430
MON	1630	1730	Chief Seattle	Seattle, WA	28430	SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430
MON	2330	2330	Sky Bl Wtr/ Tn Lzz/Twn Ct	Inver Grove Heights, MN	28380	SAT	1510	1610	Louisiana Pelican 10-10 Net	Livingston, LA	28450
TUE	0001	0100	Ft McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370	SAT	1600	1700	City of Roses/ Portland Bridges	Ridgefield, WA	28835
TUE	0100	0200	CO Centennial/ CO Frontier Gang	Lakewood, CO	28340	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	SAT	2000	2000	Restoration Project/ Feline Friends	Port Alberni, BC	28750
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. All changes to the above times and/or frequencies should be referred to the Chapter Coordinator if you desire your net information to be accurate. Chapter Coordinator: KA0ZPP, Jim Fox, PO Box 135, Mayhill, NM 8839-0135. E-mail: ka0zpp10ten@gmail.com .					
TUE	0300	0400	Bay Area	Hayward, CA	28475						
TUE	0430	0430	Aloha	Hilo, HI	28490	ARTICLES If you have a Ten-Ten related adventure/experience you think would be good to share with the other members of the Ten-Ten International organization, please send your story to editor@ten-ten.org .					
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835						
T/W	2330	0030	Minuteman/ Old Ironsides	Saugus, MA	28409						
WED	0001	0100	Castle Craig	Meriden, CT	28375						
WED	0001	0100	Cincinnati Area Ten Tuners	Milan, IN	28800						
WED	0001	0100	Cincinnati Area Ten Tuners	Milan, IN	28490 NEW						
WED	0100	0200	Houston SHOT	Houston, TX	28488						
WED	0200	0300	10 Bar X	El Paso, TX	28445						
WED	1400	1500	EU DX/Branding Iron	Bergamen, DL	28355						

10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal has always been to fund our scholarships entirely through member donations. At the Scholarship Foundation meeting in June 2016, the Foundation Board voted to guarantee the funding for five \$2000 scholarships to be awarded in 2017. The winners are featured in this issue of the News. 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 John McGrevey donated in memory of K1SVP, Francis (Sonny) Cascio, #7588. Several people donated in the memory of my father Abraham Berger, W2BLH, #33333. They were: Matthew Berger, K2MSB, #60606; Michael Berger, KC2YPO; Robert Berger, WA2EJO, #27605; Andy Kirschenbaum, WA2CDL, #3087 and I. If you haven't donated before, we want you to know that all donations are appreciated and they do add up. At the time you make a donation to your favorite charity, please consider a donation to the 10-10 Scholarship Foundation. If you have an employer matching program, please let us know.

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

The members listed below became 10-10 Scholarship Foundation Supporters during the months of June, July and August and we appreciate their support.

Platinum (\$1000 or more)

None

Gold (\$500 to \$999)

None

Silver (\$100 to \$499)

WB0CON..... Eva Donaldson 53964

Bronze (Up to \$99)

WA2SUH	Larry Berger	00407
WA2CDL.....	Andy Kirschenbaum	03087
WA1AKS.....	Robert Mughnerini	08969
WB3IPE.....	Rodney Hackman	24505
WB3EVY.....	Edward Levy	24533
WA2EJO.....	Robert Berger	27615
W4RYW.....	Joseph Gay	33464
KD5DE.....	Mel Sojka	33513
WO7T	Mark Gustoff	37055
N4JED	David Jones, Jr.	49049
KD4AMP.....	Jon Beaver	59739
KD4BTU	Patsy Beaver	59754
K2MSB	Matthew Berger	60606
AD6PV.....	Harry Ley	62068
K9SX	Ronald Walerowicz	68511
AD5IF	John McGrevey	73372
K3LKS	Bartley Smith	75834
N4SVC.....	Suwannee ARC	75836
KC0DTD	James Cline III	75966
KC2YPO.....	Michael Berger	

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 this issue of the 10-10 News and 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](http://www.farweb.org) or request an application from:

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

10-10 International Net, Inc. - 2016 Scholarship Winners



ARRON BOOTS, AA0RN

I wanted to thank you for your work with the Foundation of Amateur Radio. I am truly honored to be a recipient of the 10-10 International Net Scholarship this year. This August I will be returning to Missouri University of Science and Technology (Missouri S&T) to continue my degree in Electrical Engineering. This scholarship will go a long way in my goal to graduate with minimal debt.

I became interested in radio communications through my involvement in disaster relief work with Crisis Response International and received my technician's license at the age of 17 in January 2013. I was also inspired by my father (KD0TXA) who got his license a month before I did. I quickly became interested in radio as a hobby through involvement with my local club and over the next twelve months received both my General and Extra class licenses. When I passed my Extra I changed my call to AA0RN (previously K0ARM and KD0UDB). I continued learning and experimenting in amateur radio as I finished high school and took my first two years of engineering courses at a community college.

This last year I transferred to Missouri S&T and became heavily involved with the ham radio club on campus (W0EEE). I get on HF SSB very frequently from my local residence and the school club station. In December of 2016 I was elected the president of the club. With the help of several of our dedicated members we have seen explosive growth in the club which is mentioned in page 20 of the May 2017 QST. One of the biggest factors to our growth has been the Technician Class courses we have been offering.

Over the last year we have assisted over 20 students in becoming amateur operators. I am interested in getting "younger" people into ham radio, and I am always converting people into the hobby. I was Vice President of the Johnson County Radio Amateurs Club (W0ERH) from August 2014 through August 2016. In addition, I have been an ARRL Volunteer Examiner from February 2017 to the present and a Laurel Volunteer Examiner since August.

Last semester I was given an opportunity to start working on software defined radios in a paid undergraduate position. My amateur radio knowledge was vital for this project and opened the door for this opportunity. I am excited to discover what the next year will bring to me both academically and in the world of radio communications.



**CHRISTOS KAKOUTAS
5B4AIP**

My name is Christos Kakoutas, and I come from the island of Cyprus, located in the eastern basin of the Mediterranean Sea. At the age of twelve, I joined my high school's Amateur Radio club, 5B4ES, where older students teach younger students the electronics and operating theory behind the wonderful hobby of Amateur Radio. Mentored by alumni of 5B4ES, I acquired my CEPT license (the European equivalent of a United States Extra Class license) at the age of 15. My 5B4AIP callsign and C46W special contest callsign were handed to me, and I have been an active Radio Amateur ever since. Chairing 5B4ES from 2009 until graduating in 2012, as members of the Cyprus Amateur Radio Society (CARS) we co-operated with the Cypriot Scouts Organization in introducing scouts to Amateur Radio. Furthermore, while continuously upgrading our QTH, we organized various equipment projects and participated in many contests, with highlight the 2011 All Asian DX Contest, where I scored 2nd place in the world and 1st in the under-18 SOSTAB HP category.

Upon graduation from high school in 2012, I was enlisted for my national service.

Completing my military service in 2014, I matriculated at Trinity College, University of Cambridge, England, to study Engineering. This year I completed my Bachelor's Degree in Engineering, having read Fluid Mechanics, Dynamics, Control, and Electromagnetism. In September I will return to Cambridge for my Master's Degree, specializing in Fluid Mechanics. At Cambridge I joined G6UW (special contest callsign M4A), the Cambridge University Wireless Society, and served as its secretary from 2015 to

2017. I was also fortunate enough to participate in the 2015 IARU YOTA Conference, which took place in Italy. The M4A contest calendar peaks every year with the CQWW SSB contest, where in 2016 we ranked first in the UK in the MULTI-TWO category. I am also a member of the ARRL, RSGB, CARS, the Nicosia Club (5B4NC) as well as the Nicosia Contest Group (C4A).

I would like to express my most sincere gratitude to the Ten-Ten International Net and all the people behind it. This is the third year I have received your scholarship. This summer I was accepted to participate in the 2017 Gordon Research Conference on Climate Engineering in Maine, USA, and with the scholarship I can manage my participation better and be able to fully enjoy the experience. Besides being indebted by this act of kindness, I am honored for receiving this academic scholarship, and thus determined to improve my activity in the hobby, the HF bands and 10m in particular.

10-10 International Net, Inc. - 2016 Scholarship Winners



John Herrick KK4BSM

I'd like to thank the Ten-Ten International Net for sponsoring the Ten-Ten International Scholarship fund. I greatly appreciate your generosity in sponsoring this scholarship, and all the efforts you all do to promote amateur radio.

I'm currently a rising senior at Virginia Tech majoring in Geography with a double minor in Meteorology and Geographic Information Systems (GIS). I plan on entering the workforce upon completion of my undergraduate degree. I aspire to work for the National Weather Service as an Electronics Technician or another technically-inclined position.

My curiosity led me to amateur radio. Radio communications has been my sole passion since elementary school. As a high school freshman, I studied for and passed my Technician and General class exams, upgrading to Extra class the following year. I remember being gifted my first HF radio, a Radio Shack 10-meter mobile unit. I spent the first two years on HF exclusively on 10m, and had many fun memories working DX. Since then, I've been active in nearly every facet of amateur radio imaginable.

I've had a lot of memorable activities with the Virginia Tech Amateur Radio Association (K4KDJ). I had the opportunity to assist with a high-altitude balloon mission, run a major contest pile-up, Golden Packet APRS Event, etc. There have been many things I've been able to check off my ham "bucket list". Experimentation is what really drives my interest in amateur radio. I like knowing what works, what doesn't, and why.

Over the past 3 years, I've helped proctor 20 exams as an ARRL and Laurel ARC-certified Volunteer Examiner. Our testing group provides testing services free of charge to the applicants. In addition to licensing exams, VTARA assists with multiple public service events each year, usually event support for parades or cycling races. I've served as Club President for the past two years, and continue to work closely with other club officers.

Virginia Tech has been an excellent fit for me. Much of my academic studies revolves around remote sensing. One of my department's field projects involves installing remote weather stations on local peaks. When our equipment was having difficulty finding a signal, I used my SDR as a spectrum analyzer to troubleshoot the station's cellular modem. Having outside experience in amateur radio has given me a distinct advantage, and appreciation for the technology used by today's industries.

The timing of the scholarship was very fortunate since I will be moving off-campus for the first time this year. I have signed a lease for a quiet, but unfurnished apartment. The funds will help with the new living expenses as well as required books/software. Additionally, I will install a new hard drive for my laptop computer which needs one after three years of portable use. Again, thank you very much for this scholarship.



Owen Cruise N0WEN

I would like to offer my sincere thanks for the generous scholarship from your organization. I recently graduated from Mt. Carmel High School in San Diego. This fall, I will be attending the University of California San Diego. Your gift will greatly help me finance my education. For the past few years, amateur radio has been a favorite hobby of mine. Since discovering the club at Mt. Carmel (W6SUN) during my freshman year, I have enjoyed the science and art of the hobby. Between the high-altitude balloon payload launches, the fun in setting up HF and satellite rigs, and more, the ham club was fully integrated into my time in high school. Along the way, I worked with talented engineer mentors, and I met many amazing people. Beyond the club, I strived to be involved with other amateur radio groups and events. I am a member of the PAPA System repeater group as well as of ARRL. In addition, I have attended and operated at Field Day 2016 and 2017, and I operated on the USS Midway's station (N16IW), which was definitely a highlight for me.

My other hobby for the past seven years has been playing string bass. I began playing the instrument in my middle school orchestra and jazz band. As a musician with the San Diego Youth Symphony, I had the unique opportunity to travel to China on their tour in the summer of 2015. I also formed a separate jazz ensemble with friends and performed at restaurants and retirement homes around the county. Currently, I am a member of the San Diego Philharmonic Orchestra, a new group started by a friend of mine. I hope to join the La Jolla Symphony while at UCSD. Ham radio and music were the defining cornerstones of my high school experience, and while very different from each other, I know that these two passions helped me to be successful with the academic aspect of school. The amateur

radio club activities were instrumental in guiding my decision to study mechanical engineering. UCSD has an amateur radio club, and I plan on staying "radioactive" throughout college and beyond, both on and off campus.

Again, thank you so much for your generosity in supporting my education. I wish the Ten-Ten International Group nothing but the best in all of its activities and functions.

10-10 International Net, Inc. - 2016 Scholarship Winners



Tom Jose VU2TO

Thank you, 10-10 International and the FAR Scholarship Committee for selecting me for a \$2000 scholarship this year. This will certainly help me with my studies.

I am currently pursuing my 2nd year Bachelor of Technology education with an emphasis on Electronics and Communications at Swamy Vivekananda Institute of Technology, Hyderabad, India. I grew up in an ecosystem surrounded by Amateur radio operators as both of my parents VU2JOS & VU3LMS work at National Institute of Amateur Radio (NIAR). Having seen my parents and others experimenting, I got inspired to join this hobby and worked towards getting my license at a young age of 13 years. I was designated the Call Sign VU3TMO (Restricted Grade license) in 2011 and upgraded to VU2TO (General Grade license) in 2015.

I have participated in numerous contests from NIAR club station and received operating achievement from ARRL, CQ USA, RSGB Great Britain, DARC Germany, JARL Japan, ARI Italy, IARC Israel, Australia, France, Poland, Ukraine, India etc. I was awarded the prestigious ARRL Diamond DXCC Award when I was 14 years old in 2012. My efforts in providing emergency communication with NIAR team during the Hud Hud cyclone in 2014 has been appreciated by several National and International media organizations. I made a presentation at the Youth Forum during 2015 Dayton Hamvention about my ham radio activities.

Last year, in the Fall 10-10 News I told you about my involvement in emergency communications during Cyclone Hud Hud that occurred in October 2014. Once again it was proved that when everything else fails, Ham Radio gets the job done. I was interviewed by the film star Mr. Nagarjuna on a popular TV program about my emergency communications. This was telecast several times and by several local TV channels. I was featured in the July 2015 issue of CQ Magazine (Page 12).

Details about my emergency communication activity is now taught in the Class IX English subject in the schools in the states of Telangana and Andhra Pradesh, India. I am helping to propagate the hobby among the youth of my country.

EDZs: Stacked and Unstacked

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.

After an article on EDZs (extended double Zepps) appeared in *Communications Quarterly* in Fall, 1995, I received some mail and phone calls on a version of the antenna I had not covered. So I thought I would bring it to your attention. The EDZ is a good fixed wire antenna for those who do not wish to fool with towers and rotators, but do wish to work some DX when the band fully reopens. It helps to have high trees or other tall poles to support the ends and you have to like ATUs (Antenna Tuning Units or transmatches). Even if you do not like these things, read on – they can grow on you.

THE BASIC EDZ

The basic EDZ is a 1.25-wavelength wire antenna fed at the center. Unlike a dipole, precision wire cutting is not required. A 1-meter EDZ needs about 44 feet of copper wire. The feedpoint impedance will be about 130 ohms with about 680 ohms of capacitive reactance. I recommend you use 450-ohm parallel feedline to an ATU. Although you can match the EDZ to 50-ohm coax at the antenna feedpoint, you would lose the ability to use the antenna on other bands. For every band 2-meters and up, the antenna is longer than a dipole and thus shows a little gain above a dipole.

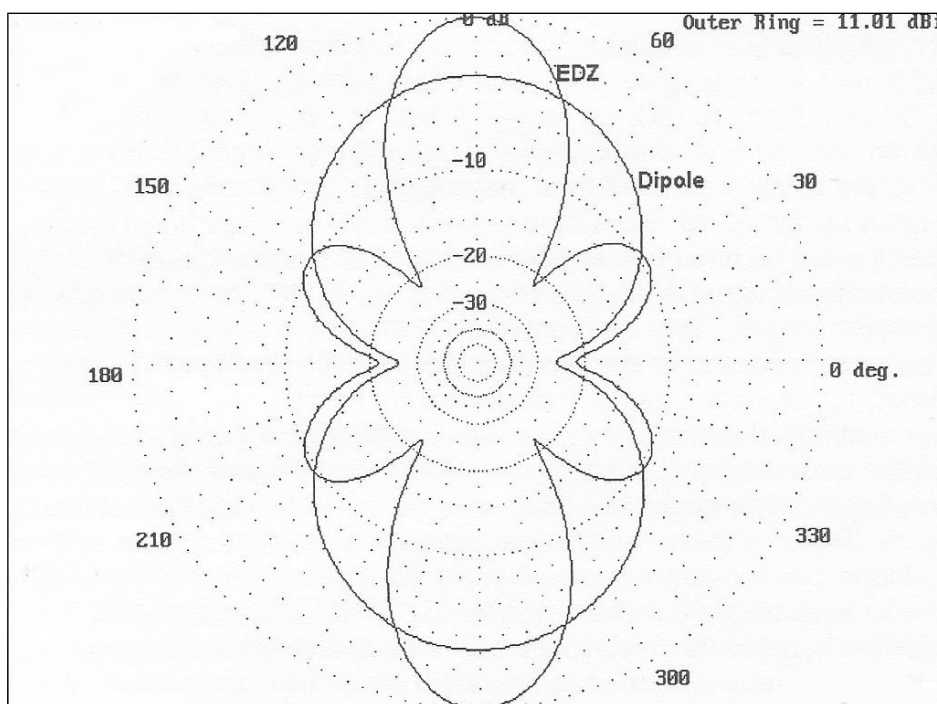


Figure 1. Azimuth Radiation Pattern of EDZ v.s. Dipole

At 10-meters, an EDZ up 40' in the air shows about 3.5 dB gain over a dipole. Of course, both antennas are bidirectional. The EDZ gets its gain by shrinking the side-to-side beamwidth of its two main lobes. The dipole has a half-power beamwidth of about 78 degrees while the EDZ cuts that to about 30 degrees with two small side lobes in each direction. See Figure 1.

Some folks view the sidelobes as QRM producers. If you agree, see the ARRL Antenna Compendium, Vol. 4 for an EDZ with capacitors in the elements to eliminate them. However, you may lose some performance of the antenna on other bands.

Almost any wire antenna for 10 up in the air 40' has a take-off angle of 12 degrees above the horizon. Take-off angle means the elevation of the lobe with the most power in it. The half-power points are ± 6 degrees around that angle, so there is plenty of power in the low angles needed for efficient DXing. But

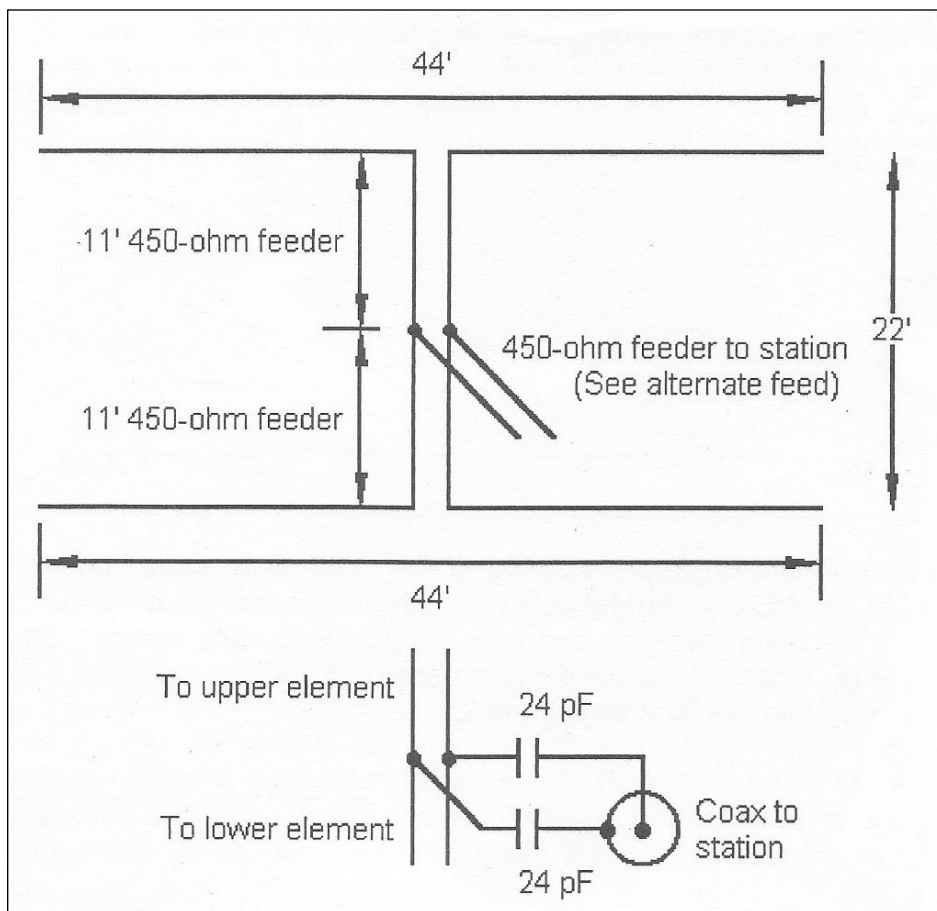


Figure 2. Vertically Stacked EDZ Antennas

perhaps we can do a little better.

Stacking any two antennas will do two important things for you: 1. It will increase the system gain a bit and 2. it will lower the take-off angle a bit. Both these advantages are DXer delights. So let's get crackin' and stackin'. The system I shall show you derives from an article in the November 1968, CQ by John Schultz, W2EEY called "The Expanded Lazy-H Antenna." (My thanks to Henry Pollock, WB4HFL, for sending me a copy of the article.)

A vertical spacing of 5/8ths of a wavelength is about the most efficient gain producer when stacking antennas. This applies to Yagis and other arrays as well as EDZs. At 10 meters, this means a spacing of about 22' or so. Again, this number is not critical plus or minus a foot. Figure 2 shows the general scheme. Assuming you have the side supports, there are only a few questions to ask about stacked EDZs.

1. What do I get for my trouble? First, you get 3 to 4 dB additional gain in both directions, depending upon which wire you set at the 40' level, where we placed our one-wire EDZ. If you can put the second wire at about 60' or so, you will get the higher gain, plus a lower take-off angle of 9 degrees. That puts the bulk of your power in the 10-meter far-DX zone. Figure 3 also shows a secondary lobe at about 28 degrees for shorter paths. If you place the lower wire at about 20' up, you will get the lower gain and a basic take-off angle of 14 degrees. This is still worth while.

2. How do I aim single and stacked EDZs? With care since they are fixed. In much of the US, the NE-SW corridor gets you both Europe and VK-ZL-land. Or you can broadside N-S for South America and over-the-pole and back scatter. Or, you can broadside to Asia. Finally, if you have lots of trees or poles, you can build 3 EDZ stacks and switch among them (a nice wiry dream).

3. How do I feed the beast? The easiest feed system is to run 450-ohm parallel feeders from each feedpoint to a common center. At that point, you will see something like 75 ohms resistive and about 460 ohms inductive impedance. This situation gives us a choice.

a. If you wish to use the antenna on 10 meters only, you can insert on each side of the line junction a 24 pF capacitor. This is a series connection on each side with the end then connected to each side of a coax connector. The capacitors cancel out the inductive reactance, leaving only about the same mismatch you would get with a dipole--and that's manageable.

b. If you wish to use the antenna on all bands from 20 meters on up, just connect more 450-ohm parallel feeder and bring it to the shack and ATU. On 20 you will get dipole gain or better, with more gain on the other bands between 20 and 10.

4. What does it cost? Well, #14 wire runs about 7 to 12 cents a foot, depending on its nature, and 88' of wire is in the \$8.00 range. Add some insulators and rope

for supports. Then add the 450-ohm parallel feeder, which is cheaper than coax. Even if you have to erect some supports (4 sections of 10' TV mast per side, plus rope guys and tie-down ring-screws in the ground), you might run the bill to \$75 to \$100. That will barely buy the TV rotator, let alone the tower and very light beam that goes with it.

Editor's note: These prices may have been true in 2000. I am sure today's prices will be a bit more.

Note that, as in all antenna work, we must compromise. The stacked EDZ requires supports and fixes your general directions to two, but saves you many dollars, pounds, yen, francs, marks, or lire. The long Yagi with the same gain gives you freedom of direction, but empties your pockets and requires constant maintenance. (Remember, Murphy's law says that when the rotator goes bad, it is always stuck in a direction with no hams in sight.) So the EDZ and the stacked EDZ array are suitable only for some people. But perhaps you are one of them.

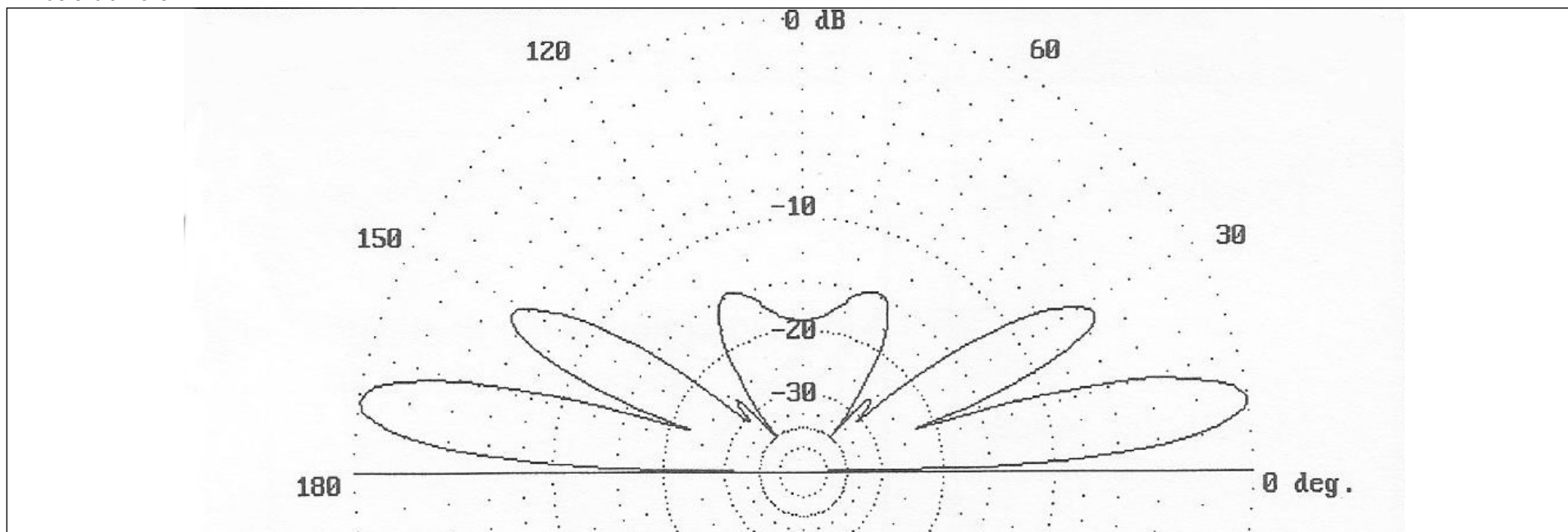


Figure 3. EDZ Lazy-H Elevation Pattern on 10 meters

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.

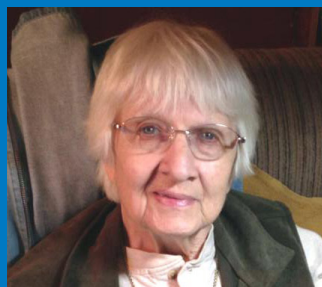
Meet The Volunteers

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 2017

AD4RX, Roger.....	Director/Publications Manager	N0KDB, Ruth.....	SK Manager
AJ7B, Randy.....	Newsletter Editor	N0TW, Terry.....	President
G4BLH, Mike.....	Awards – GB	N5MT, Mike.....	Awards – DX
K0DBK, Brad.....	Awards – Counties	N6ELK, Louise.....	Net Control
K4QHH, Bob.....	Award Manager-Mobile & VP	N6OPR, Bob.....	Director/Net Manager
K5BKT, Peggy.....	Committee Member	N7YG, Jeff.....	IT Manager
K5ERJ, Ed.....	Committee Member	N9AC, Gerald.....	W6OI Trustee
K6DNR, Bob.....	Net Control	NP2MR, David.....	Committee Member
K6RDK, David.....	Data/ Membership Manager	NZ1I, Kevin.....	Secretary, Awards WAC
K7CWS, Ray.....	Net Control	VE7SSJ, Garry.....	Committee Member
KA0ZPP, Jim.....	Director/Chapter Coordinator	VE3MEW, Bill.....	Committee Member
KA5VVD, Bob.....	Committee Member	W3WIE, Tony.....	Awards – 1000+ Bars
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	WB6OJB, 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	WM2W, Marilyn*.....	Awards – 1000+ Bars
KR7RK, Keith.....	Treasurer	WN4AMO, Paul.....	Director/Publicity
KZ3T, Dan.....	QSO Party & Awards Manager		

* Silent Key

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



Silent Keys

Ruth Bartholomew, N0KDB
#48715

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

10-10#	Call	Name - City, State
1263	K3DQ	James P Gillespie - Lutherville, MD
1430	K1LVU	Frank B Ridlon Jr - Cedar Creek, TX
1623	WB4BWV	Robert A Wilson - Anchorage, KY
2028	W1GAR	Charles B Peck III - Falmouth, ME
2689	WB2DLF	Leon J Milcarek - Gloucester City, NJ
2963	WA4AUL	Kenneth G Distel - Ashland, KY
3795	K9BH	Ira J Roberts - Schererville, IN
4600	W5HNS	Henry Schneider - San Antonio, TX
4835	W6LJK	George N Huett - Anaheim, CA
5275	N5IUL	David K Gill - Shoreacres, TX
5936	W8MO	John K Heinbuch - Millersburg, OH
8676	W9LMT	Charles L Henry - Quincy, IL
9762	KC3J	Ronald L Mays - Montgomery Village, MD
9948	N9AH	Wallace N Fox - Bedford, MA
10771	WA2ZYX	David V Bourque - Middlesex, NJ
12440	K4EOV	Timm T Blake Sr - Fresno, CA
14559	WB8HSN	William H Altenberndt - Chelsea, MI
15709	K4KOD	Charles E Frost - Melbourne, FL
17876	WB1BXS	Roger W Taksar - Bolton, CT
18537	W9KDW	George R Green, MD - Sheboygan, WI
19368	W7DJX	Ralph M Griffin - Portland, OR
19598	K0JHC	Joseph H Cain - Raytown, MO
20869	N8DD	David L Dobbs - Cincinnati, OH
21009	KB4AF	Pharis L Greene - Shelby, NC
21678	W4OWY	Robert G Fuss - Murrayville, GA
24709	WA4TTL	Jerry L Foland - Paducah, KY
24818	WB4RPG	Henry E Westmoreland - Mills River, NC
25005	K8ERL	Michael Marneris - Santa Clara, CA
25124	WB0ULH	James E Novacek - Sterling, CO
25183	KX0A	Robert A Nussbeck - Kansas City, MO
25252	W2OBR	Richard A Decker - Beachwood, NJ
25350	N8HB/ HB9CAH	Edgar H Zysset - Perrysburg, OH
27580	KC5KC	Carl W Elmore - Wichita Falls, TX
27856	WB7VZI	Willie E. Madison - Sun City, AZ
28777	WB3LKO	Edward M Napoletan - Butler, PA

10-10#	Call	Name - City, State
28836	W5FBK	David B Holman - Clovis, NM
29818	AL7GA	Kenneth J Perry - Anchorage, AK
29845	N0ST	Stephen C Sorton - CO Springs, CO
30669	KD6OM	James R Porter - Lemoore, CA
30780	KC0NC	Lesley J Borst - CO Springs, CO
31941	KA8CPR	Harlow A Rounds - Ocklawaha, FL
32641	N6DFL	Thomas A York - Carmichael, CA
32918	F6BVB	Jacques Bocquet - Ozoir-La-Ferrie, France
33214	W4WWZ	Arthur G Bockoven - Marietta, SC
33747	N6EMU	Ronald M Watson - Visalia, CA
34387	KA7KDB	Cary J Haag - Hillsboro, OR
36122	DL5BAS	Karl-Heinz Krutzmann - Stocksdorf, GER
37065	N9DO	George E Halpin - Pittsfield, IL
37201	WR5A	Everett E Mc Culloch - Sherman, TX
37315	K4EWD	Millard Douglas Long - Burlington, NC
38435	VE3MLC	David Gluck - Richmond Hill, ON, CAN
39183	NW0T	Brent V Tyndall - Springfield, MO
39395	DF1AI	Hans Hexel - Finkenkamp, GER
43616	KB5ARQ	Jerry G Garry Jr - Wolfforth, TX
43634	K5OAI	Sam R Morgan Jr - San Angelo, TX
44191	WA3RHM	Eugene S Lindstrom - State College, PA
44463	N9GIM	Carlos A Bergeron - St. Croix Falls, WI
45033	KA0BHO	Terry A Hoss - Topeka, KS
46083	KA0CDN	Karen K Schultz - Aurora, CO
46980	WN3DUG	Carlin W Morris - Chambersburg, PA
49425	KK6GO	Forrest E Huggin - San Diego, CA
50004	WA1OWQ	Raymond N Witt - North Weymouth, MA
51100	W2RAM	Ronald Pauze - Goshen, NY
52041	W7OSQ	Frederick L Parke - Albion, ID
52265	WA4SYJ	Allen J Millet - Farragut, TN
52839	KB8HEK	William E Bayless - Ellenboro, WV
52867	AE4NR	Richard A Marsteller Sr - Boomer, NC
53346	WB1HJC	Robert A Stein - Port St Lucie, FL
53521	KF9AA	Floyd L Bennett - McClure, IL
54446	N4XJT	Wendell J Bailey - Richmond, VA
56069	N4YGR	Leon K Smith - Newport News, VA
56703	KB7KKU	Basil B Brashear Jr - Tucson, AZ
57032	KC4SDU	Joseph Ben Wooten - Boaz, AL
58837	N8NJE	Donald G Sefcik - Grand Blanc, MI
60384	W6OQV	Roger P Beer - Kingsburg, CA
60456	N4MPD	Douglas B Farnsworth - Peoria, AZ
60847	KD4BMP	Jerald W Magee - Collierville, TN
61846	WA4CG	George J Santa Cruz III - Slidell, LA
63302	K5IID	Thomas R Horton - Fort Worth, TX
65722	KB7SJO	Ronald D Gordon - Flat Rock, NC
67500	W0RPX	Carl D Hubbell - Rifle, CO
68522	KE4KWE	Thomas H Burkhardt - Smiths Station, AL

10-10#	Call	Name - City, State
69295	W8DFA	Daniel F Adkinson - Cuyahoga Falls., OH
69893	WA0RKQ	Reynold D Mc Ginnis - Smith Center, KS
70157	WA1HVJ	Colin F Campbell - Spencer, MA
70768	KF4ZMC	Gina R Tussey - S Williamson, KY
70933	N1XOA	John M Kasuba - Rutland, VT
71071	N7JHJ	Robert W Goodnow - Tacoma, WA
72021	WA1IVN	Julia C Jordan - Lake Placid, FL
72500	W8RW	Robert T Whitacre - Elida, OH
72535	KD5ECG	Larry J Grindel - Middleville, MI
72596	K5DZE	Robert W P Patterson - Newnan, GA
73030	W4FLA	Keith E Myers - Dunnellon, FL
73994	KB9VLR	Adam P Bain - Freedom, WI
74251	N6RXZ	Yvonne L Terry Smith - Sacramento, CA
74458	K8TUT	William H Creighton - Athens, OH
75504	W5CJB	Clifford J Buck - San Antonio, TX
76547	KI4IVC	Robert C Hurt - Andrews, NC
76868	AF5MU	Richard J Poupa Jr - Collins, MS



REPORT FOR THE 10-10 INTERNATIONAL CLUB STATION W6OI

W6OI continues to be on the air for all 10-10 QSO parties. Propagation here in Southern Wisconsin is very spotty at best! Keep calling and listening everyone since that is the only way to get results! I attempt calling almost daily usually around 1400Z to 1530Z on 28355. Into my part of the country I usually can hear a station or two in the morning and those signals are coming from Texas or that general area.

The Open Season Party was a bust here – no signals on the band. However, for the Summer Phone and Spirit of 76 parties, I did manage a few great contacts for both parties into Texas. Again these were in the morning around 1400 to 1500 GMT.

As some folks do, put out a notice on the ten-ten.org email list service so others know to turn on their rigs and listen for you! If you are not subscribed to the ten-ten.org email list notification services, go to the ten-ten.org website to sign up. Just click on the drop down menu “Forum/Misc”, and then click on the menu item “Ten-Ten List” where you can get all the details for this free service. If you are not subscribed to this service you are missing out on a whole lot of good material that is shared with/by the members.

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

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 \$15 you will receive a current year's lapel pin as a thank you gift, and for \$25 or more a second pin from a previous year will be sent. To pay by credit card, see the payment information on page 31. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Monday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC through 2359 UTC.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

5.2.3 FREQUENCY AND MODES

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

5.2.4 ENTRY CLASSIFICATION

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

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

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

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

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

5.2.5 TRANSMITTER INFORMATION

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

5.2.6 EXCHANGE

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

5.2.7 QSO POINTS

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

5.2.8 CHAPTER SCORE ASSIGNMENT

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

5.2.9 QSO PARTY ENTRIES

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

5.2.9.1 ENTRY DESCRIPTION

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

5.2.9.2 ENTRY DEADLINES

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

5.2.10 QSO PARTY RESULTS AND AWARDS

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

5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

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

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

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

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

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

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

5.2.13 10-10 SPRINT (October 10) QSO PARTY

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

5.2.14 W6OI/VE9TEN/DL0X SPECIAL EVENT

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

5.2.15 FOR MORE INFORMATION

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

2017 10-10 QSO PARTY COVER SHEET

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

Name _____ Call _____ 10-10# _____

Address _____

City _____ State/Province/Country _____ Zip _____

Your e-mail address (for contest questions only) _____

PLEASE LIST CONTEST EXCHANGE

Call _____ Name _____ 10-10# _____ QTH _____

ENTRY TYPE

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

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

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

Claimed Score

Contacts WITH
10-10 Number: _____ x2= _____

Contacts WITHOUT
10-10 Number: _____ x1= _____

Total
Contacts: _____ Total Pts _____

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

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

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