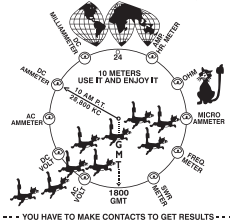


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**

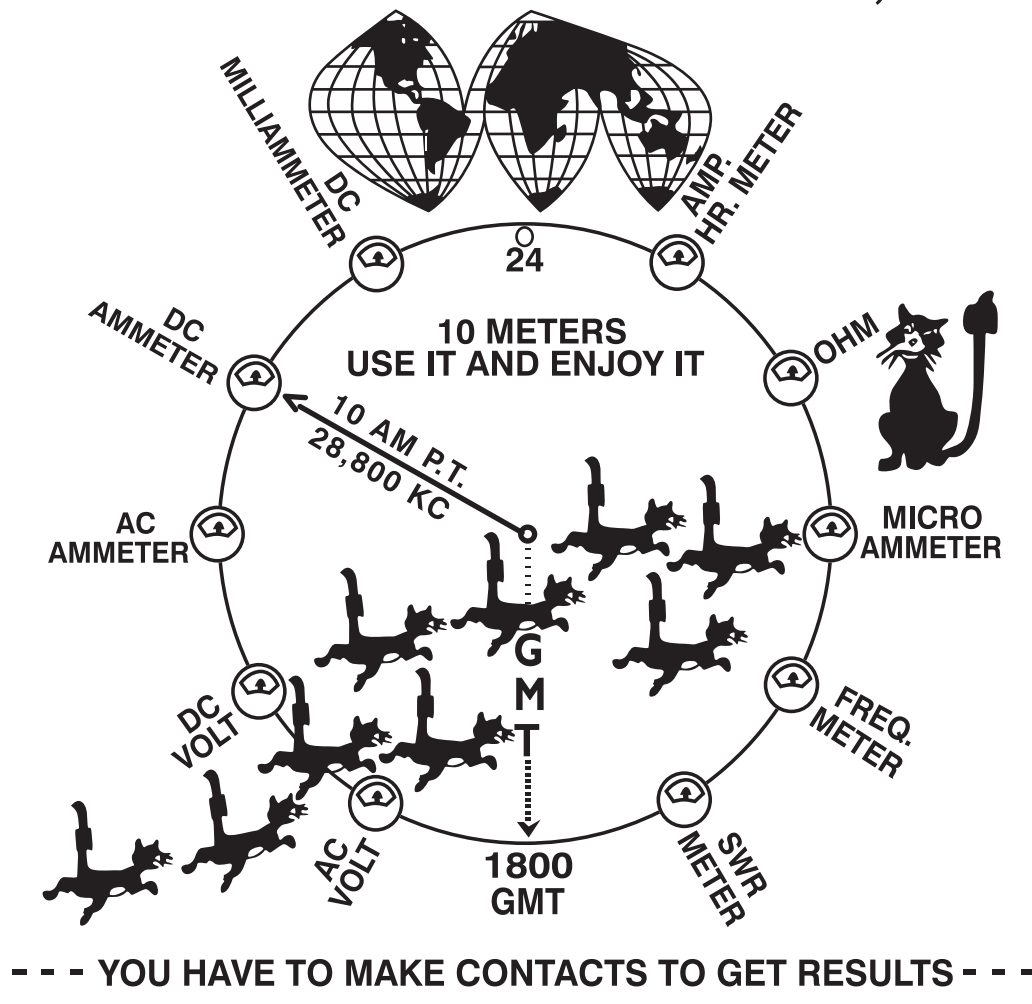


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The Ten-Ten International News

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

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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, and 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 2020

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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OFFICERS AND DIRECTORS

President

Mel Sojka, KD5DE #33513 (2022)

353 Atlantic Ave., Shreveport, LA 71150-2909

(318) 286-2963 kd5de@ten-ten.org

Past President

Terry Webb, N0TW, #36547

1103 Fulford Road, Monticello, FL 32344-4352

(614) 216-5334 n0twterry@yahoo.com

Vice President/Secretary

Gregory Malone, WA3GM, #46927 (2020) - QSO Parties

PO Box 82, Horsham, PA 19044

(267) 249-0135 wa3gm@yahoo.com

Treasurer

Keith Schlottman, KR7RK #63324

6206 E. Pima St., Suite #2, Tucson, AZ 85712

(520) 290-5883 keithschlottman@gmail.com

Directors

Robert L. Farrow, N6OPR #45715 (2020) - Daily Nets

23417 S 180th Street, Gilbert, AZ 85298

(562) 631-1393 n6opr@msn.com

Dan Morris, KZ3T #41015 (2020) - QSO Parties

3162 Covington Way, Lenoir, NC 28645

(828) 728-5049 dbmorris315@gmail.com

Paul Hemby, WN4AMO #73825 (2020) - Publicity

40601 Thomas Boat Landing Road, Umatilla, FL 32784-9702

(386) 837-6101 pemby@hotmail.com

Marcus Lieberman, KM5EH #71103 (2022) - Awards

2300 Hurley Dr. NW, Albuquerque, NM 87120-1013

(505) 836-1724 buckml@lobo.net

Thomas Trissell, KC5ILO #72239 (2022) - Publications

487 County Rd. 1367, Clarksville, TX 75426-3479

(903) 517-1787 kc5ilo@trissell.net

Jim Fox, KA0ZPP #43428 (2022) - Chapters

PO Box 135, Mayhill, NM 8839-0135

(575) 687-2448 ka0zpp10ten@gmail.com

General Counsel

Hugo Holland, KJ5SZ #77741

10008 Bedlington Court, Shreveport, LA 71118

No Phone dahugobrit@gmail.com

NET OFFICIALS

Chapter Coordinator

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

Data Manager / Supplies

David Smith, K6RDK #65812
 1349 Vernon Terrace, San Mateo CA 94402-3331
 (650) 504-4962 membership@ten-ten.org

Editor 10-10 International News

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

Historian

Ronnie Hull, W5SUM #2019
 1855 Shady Lane Dr
 Shreveport, LA 71118 w5sum@comcast.net

Net Manager

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

QSL Bureau Manager

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

QSO Party Manager/Certificate Manager

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

IT Manager

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

Scholarship Manager

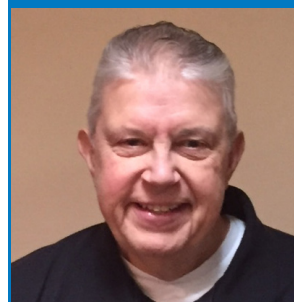
Larry Berger, WA2SUH #00407
 9 Nancy Blvd., Merrick, NY 11566-3119
 (516) 223-4611 wa2suh@aol.com

SK Manager/Social Media Manager

Mark Steele, KD2NOM #77596
 1 Karen Court, Monroe Township, NJ 08831-4037
 (732) 213-0159 kd2nom@gmail.com

W6OI Station Trustee

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



From the Editor

Randy Mather, AJ7B
 (#7675)

As my XYL and I stay close to home, we are finding more and more things to keep us occupied. Home projects take up a lot of the time. However, we were able to get away to the coast for a few days with our dogs to relax on the beach. It was doubly beneficial as the western part of the state was blanketed with smoke from wildfires. Fresh sea air was definitely refreshing. I did find time to complete phase 1 of my tuner project. You will find my second update on this project later in this issue: Antenna System Project - Part 2.

10-meter propagation really sucked this last quarter. I tried to make contacts during both the Spirit of 76 and Summer Phone QSO parties. Heard no one. Bummer! As you can see in Bob Farrow's net report, net check-ins weren't impressive either. However, there was some good news released just recently. The National Weather Service announced that their analysis reveals the solar minimum between cycle 24 and 25 occurred during the month of December 2019. That means we are officially in cycle 25 and starting up the slope to a solar maximum that is predicted to happen in 2025. Yahoo! Although not expected to set new records in sun spots, it is predicted to be better than cycle 24. All we can do is hope and play the bands as they are presented to us.

Dan Morris announces a new QSO party event in this issue. As amateur radio makes new advances in communication technology, it is only appropriate that our organization tries to incorporate these advances in to our operation. The big new shiny and popular thing right now is WSJT-X. Or Weak Signal modes developed by Joe Taylor and his team of engineers. Next year will be the inaugural year of our Weak Signal QSO party. Make sure you read about it in Dan's QSO Party section of this newsletter.

I hope you find this issue informative and helpful. It takes a lot of people to bring all this information together into a newsletter each quarter. In addition to the column contributors, there is a lot of people on Tom Trissell's team who review each newsletter and gives me feedback on making the newsletter as error free as we can. No matter how hard we all try, you will find at least one mistake. But I want to thank everyone who contributes time toward making this publication as error free and informative as possible. Keep up the good work team.

Randy - AJ7B #7675



From the President

Mel Sojka KD5DE
#33513

UPPER-LEVEL QRM

When I was first elected as your President, we were in the second year of solar cycle 24. And now we are at the beginning of a new cycle. Cycle 24 has not been a good cycle for 10 meters. At this point, there have been 751 days without sunspots. This is not a record as cycles 14 and 11 had over 1000 spotless days. No one on the air today recalls that unless they are over 114 years old. With the appearance of AR2770, a Mars size sunspot, a large group of astrophysicists are saying cycle 25 began on Aug 3, 2020. The Farmer's Almanac predicted the new cycle would start in September. I do not know about you, but for me, I will believe it when the SFI approaches 100. Of course, NOAA will wait before they will announce this. I think that at the time I am writing this article we are experiencing some out of season Sporadic E activity.

At the last Board of Directors meeting, a motion was passed instructing the QSO party committee to develop a weak signal event tailored to the FT8, and FT4 modes. In the process of working on this event, the committee has included JT65, and JS8CALL. To emphasize one point, 10-10 does not have contests. We resolved years ago that we would only do QSO Parties. Spotting and discourteous contest policies are not good operating procedures. Clubs are encouraged to participate in a group environment. The number one priority is courtesy. With a digital event, some of this is not possible, and the amount of power is a question. But since I have never used more than 10 watts on FT8, I do not see any place for amplifiers. Personally, I feel a 50-watt maximum should be sufficient. But fear not. I am not a voting member of the QSO party committee.

The Summer Phone event created a result that had not been seen for many years: chapter competition. 30 years ago there was an ongoing rivalry between Possum Trot, Houston Shot, and City of Lights chapters. The Republic of Texas chapter was added to the mix later. The locals here are all excited about this and realize that if everyone submits their log, no matter how small, it counts. One thing remains is the Possum Trot chapter is still hanging on. Now it seems that the Pelican chapter is waiting to strike. This has always added to the events and there may be an annual award for the most active chapter. Recently there has been a renewed interest in chapters. I think they add to the friendly atmosphere we all desire within 10-10.

Over 40 years ago I was attracted to 10-10 Net because of the friendly attitude

of its members. I recall getting letters and sometimes cards that were not QSL cards. I made many friends on SSB and CW long before we were using personal computers in the shack. Many of them are still around and continue to be friends. From time to time I will pull out my old paper logs and reflect on some enjoyable events. About 16 years ago I stopped using a paper log for all but CW contacts. On most log entries there were notes. Chapter specials, special events, birthdays, and anniversaries were among these notes. Historically, we have had issues within the organization concerning contact only attitudes. Now all of a sudden there is a massive movement toward the contacts only modes. Are we going to destroy what has been our #1 attraction? I have yet to make a friend using JT65, FT4, or FT8. The closest I have come is when by a stroke of luck, a 10-10 exchange is made. Recently I have noticed some of our long-time members leaving the weak signal camp and appearing on CW, SSB, and even BPSK31. Maybe with the return of good propagation, activity in the member friendly modes will return as the primary modes of communication. Personally, I hope so.

During the work on the weak signal QSO party, it was mentioned that we should consider a worked all grids award. Back in the late 80's I wrote a software package to chase the grids. The problem that arose then will be the same now: a valid 10-10 exchange. FT8, and FT4 both include the grid square as part of the standard exchange, but a normal 10-10 exchange is required to claim the contact for an award. This requires interrupting the automatic contact mode that has gained popularity to insert name, 10-10 number, and state. When I make a contact during any event or using any mode, I desire to use the contact for multiple awards. All our awards require a valid contact, including the state. The grid square does not always validate the state. Many grid squares span state line and several cover three states. I do not foresee having an award in which the contacts are not usable for other awards. Without a valid exchange you will kill the horse just to get the contents of the wagon.

My next post will be in 2021. I hope by then the current pandemic will be a memory that we all are trying to forget. We will have two new directors. I must take this opportunity to extend our gratitude to WN4AMO Paul #73825 for his outstanding leadership in making sure our ads were up to date and included in other publications. Paul also was the right-hand man when it came to the Hamcation event in Orlando. He's a talented salesperson and a pleasure to work with. KZ3T Dan #41015 worked diligently in revising the QSO Party Handbook and recently took the lead in developing the Weak-Signal QSO Party event. He has had to make some tough decisions and has continued to score all the events. Recently the automated scoring system became unavailable and Dan has had to use the manual system. He will continue to be the QSO party/ certificate manager, but needed a break from the multiple duties as the Director in charge of the events. I personally want to thank these two and encourage each of you to extend your gratitude to them.

God Bless & 73
Mel KD5DE #33513

2020 President's Award

Often it becomes a challenge to select one individual that has contributed so much that they stand out above the other members. Not so this year. Back in the mid 80's, when the computer age struck the amateur community, there were many that wrote programs to be used for 10-10. I had evolved from a Commodore 64 to a PC and had converted some of my utilities to GW Basic and then Quick Basic as executable programs in the DOS environment. Because of military deployments, I had to give up that effort, but many continued on. Finally, there were only 2 and then after the loss of one, only K4HAV Jim Hardy #17605 remained. He began his programs 32 years ago and continues to update and support the Win1010 software suite. He has always responded to support issues in a timely manner, made changes as required, and did updates every weekend. His software suite covers every event and chapter upgrade currently within 10-10. His certificate-list program revolutionized paper chasing through automation.

Thank You Jim for all you do.



NEW LIFE MEMBERS

39781	WA4JJZ	Andy M Cwalina	SC
61487	N9KMW	Harold D Howard	NC
62448	N1MQR	William J Downard	KY
65431	N1RDN	Dennis G Driscoll	MA
76801	K8LL	Stanley Klakamp	OH



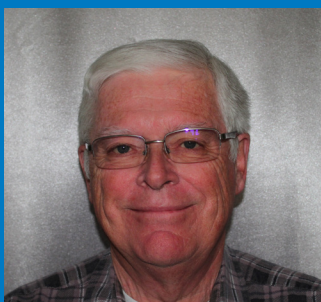
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**For more information, please contact:
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Chapter Coordinator

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 before December 1st so I can include the details in the January newsletter.
- 3) Reminder of Quarterly Reports Due: In Extremis (no report in over a year): Channel Islands. If anyone has knowledge of this chapter's activity, please let me know. Past Due (no report received during the prior quarters when due): Bauxite, Chief Seattle, Cradle of the Confederacy, Speedway. Reports received after September 7 (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: Colorado Centennial/Frontier Gang (Nov.), Down Under (Dec.), Fort McHenry/Cornerstone/Yoder Kritch (Dec.), Neanderthal (Dec.), Steamboat Plus (Dec.), Route 66 (Nov.). Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2019 in which the last report was received.
- 4) I thank ALL CH/CM who sent me a complete report during 2019 so I have up to date contact and net information. Other chapters, please send me a complete report in 2020. See www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms for a form to download or www.ten-ten.org/chapters/quarterly-report to fill out and submit electronically. Be sure to notify IT Manager Jeff, N7YG, before using this easy-to-use form so he can add you to the Chapter Management Group.
- 5) Poor propagation in recent years has certainly affected Chapter Net activity. If any of you have ideas on ways to increase participation in our Chapters, please contact me at the address given below. One of the primary purposes of Ten-Ten International is to promote activity on this band, especially in such times as these. I welcome your input.

CHAPTER NEWS

- 1) I regret to report that Sky Blue Waters, Tin Lizzie and Twin Cities chapters have been declared QRT by CH N0DBK. They are in the process of moving and do not expect their new QTH to be conducive to HF activity. Being a former CH for SBW/TL, I really hate to see them go, but wish Brad and Loreen best of luck in their new location.
 - 2) Several chapters report having to resort to Zoom in lieu of face-to-face chapter meetings.
 - 3) A number of chapters and individual members report great success with digital modes during this time of solar minimum. If you have conducted a digital chapter net, let me know the details so I can pass it on.
 - 4) Chapters below accept email upgrades as of September 7. All the listed chapters generally need previous, new and total points and seals claimed. Any transaction with the CM that requires that a certificate be issued, and most worksheet specials, should still be handled via US Mail. Also, it is good practice to keep a detailed listing of the upgrade in the event that the CM should require verification. Requirements peculiar to a particular chapter are noted.
(** indicates change)
- Alii – CM WH6S, wh6s@outlook.com. Use form available from the CM.
Bauxite – CM K5BKT, k5bkt@nwla.com. Bauxite and Arkansas Visitor numbers only.
Bay Area – CM K6RDK, k6rdk@arri.net
Branding Iron – CM DL6DK, bic-cm@voits.de
Castle Craig – CM N1API, n1api@cox.net
Chesapeake Bay – CM N3TGB, n3tgb@aol.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
Louisiana Pelican – CM N5MT, n5mt@aol.com
Major League Baseball – CM N6OPR, n6opr@msn.com
Neanderthal – CM PA2NJC, cm.neanderthal@online.de
New Mexico Mud Ducks – CM KM5EH, buckml@lobo.net

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

Oregon Trail– CH/CM K7QXG, k7qyg2@gmail

Speedway – CM W7CAR, w7car@arri.net

Steamboat Plus – CM KD5DE, kd5de@nwla.com

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

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

TEN-TEN NET GUIDE

As of September 1, 2020

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	1300	1400	Arlington	Arlington, VA	29200	WED	1930	1930	Route-66	Boonville, IN	28370
SUN	1400	1400	Neanderthal	Leichlingen, DL	28355	THU	0001	0100	Cradle of the Confed- eracy	Pike Road, AL	28350
SUN	1630	1730	Possum Trot	Raeford, NC	28345	THU	0100	0200	Gateway	St. Louis, MO	28650
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380	THU	0100	0100	Cow Town	Arlington, TX	28460
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
SUN	1930	1930	North Georgia	Atlanta, GA	28410	THU	0230	0230	Windfarms	Livermore, CA	28450
SUN	2030	2030	Santa Fe Trail	Galesburg, IL	28345	THU	0230	0330	Up The Crick	Eugene, OR	28450
SUN	2100	2200	Possum Trot	Raeford, NC	28150	THU	1930	1930	Speedway	Rainer, OR	28350
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	FRI	0001	0100	Fort McHenry/ Corner- stone/Yodar Kritch	Arbutus, MD	28370
MON	0100	0200	Milwaukee	Milwaukee, WI	28365 CW	FRI	0001	0100	Steamboat Plus	Shreveport, LA	28430
MON	0100	0100	Lonestar	Arlington, TX	28460	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
MON	0130	0230	Bauxite	Benton, AR	28470	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Aukland, ZL	28530
MON	1630	1730	Chief Seattle	Seattle, WA	28430	SAT	1510	1610	Louisiana Pelican	Baton Rouge, LA	28450
TUE	0001	0100	Ft McHenry/ Corner- stone/Yodar Kritch	Arbutus, MD	28370	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0100	0200	CO Centennial/ CO Frontier Gang	Lakewood, CO	28340	SAT	2200	2200	Alii	Lihue, HI	28730
TUE	0100	0200	City of Lights	St Charles, IL	28150	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0130	0230	City of Lights	St Charles, IL	28720	SAT	2200	2200	Alii	Lihue, HI	28730
TUE	0130	0230	Bauxite	Benton, AR	28470						
TUE	0200	0300	10 Bar X	El Paso, TX	28445						
TUE	0300	0400	Bay Area	Hayward, CA	28475 CW						
TUE	0430	0430	Aloha	Hilo, HI	28490						
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835						
WED	0001	0100	Castle Craig	Meriden, CT	28375						
WED	0100	0200	Cincinnati Area Ten Tuners	Milan, IN	28430						
WED	0100	0200	Houston SHOT	Houston, TX	28488						
WED	1400	1500	EU DX/Branding Iron/ Hanse	Bergamen, DL	28355						

Gateway Chapter News

On June 14, 1972 a number of St. Louis amateur radio operators established the Gateway Chapter 10-10 International Net. Central in this effort was our first Chapter Head Mr. Don Wirth (WB0ECM - # 3217 - sk), Mr. John Ellison (W0ERZ - # 5145 - sk) and Mr. William Eggelston (N0WM - # 2724). The Gateway Chapter had its peak enrollment in 1987 where approximately 122 amateur radio operators were Chapter Members. From June 14, 1972 to the present time, the Gateway Chapter has held weekly nets on Wednesday evenings at 8:00 pm. St. Louis Time at 28.650.

On Wednesday - May 6, 2020 the Gateway Chapter held its 2,500th net! To celebrate this achievement, the Gateway Chapter issued a special Commemorative Certificate acknowledging the 2,500th net. This certificate was sent to 14 stations participating in the net as follows:

* KA0HZP	(Bill)	#31562
* W9VHL	(Scotty)	#9597
* W0RTV	(Don)	#13962
* K0GOB	(Roger)	#69079
* N0CUN	(Jim)	#33031
* N0WC	(Andy)	#77794
* KB0TQ	(Joe)	#28941
* KA0SOH	(Donn)	#76462
* KC9TQU	(Jerry)	#77157
* AC0PX	(John)	No Number
* K9UF	(Dave)	#24213
* KB9NIF	(Gil)	#74843
* WB0IIS	(George)	No Number
* W0ESF	(Elliot)	#43414

We are very thankful to Mr. Ken (Scotty) Scott - W9VHL (#9597) for his design and production of the Commemorative Certificates for use by the Gateway Chapter!

We are all looking forward to our Net #3,000 projected for April, 2030

Bill Campbell - KA0HZP (#31562)
Gateway Chapter Head

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.

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Open. N6OPR	#45715	AZ
Mon (28.800)	Doc, WB6OJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Tues (28.800)	Mike, KF4WKY	#70191	NC
Wed (28.380)	Bob, N6OPR	#45715	AZ
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)	Tim, K1IEB	#74965	AZ
Sat (28.380)	Mike, KF4WKY	#70191	NC
Sat (28.800)	Open. Contact Bob N6OPR for info		
Alternate	Bob, K6DNR	#75386	CA
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!!!





DX News

Mike Davidson, N5MT
(#24949)

I hope all of our 10-10 members are following all the recommended rules to stay home and be safe this past quarter. There has been very little Ten Meter activity on the radio except for some FT8 contacts that allowed me to talk into Europe for the first time in many months on Ten.

There are several internet sites that can talk about the 1918 Spanish Flu and what happened during the Great Depression as I mentioned last time. Today we can watch the pandemic in living color on TV any hour of the day you want. In my state of Louisiana, we can go into a place to eat with a mask while the seating capacity is 50% and separate your table. At least I do not have to wear a mask when I talk on my radio or to use video Zoom! So stay on your radio and keep using Ten meters so you will keep yourself busy at home or mobile and maybe hear another opening to Europe with the FT8 mode.

There were only a few ham stations in the 1920's, so with the present day Internet giving us instant access, take advantage of the free video available for your friends and relatives that may not have ham radio privileges and stay in touch online. You can always find an online ham radio class to upgrade your license class to General or Extra if you have the time.

I has been four years since I have heard a new 10-10 country on Ten Meters. I still like to write about DX, and I have enjoyed searching for new 10-10 countries over the years. I hold the 10-10 record of 302 DX countries worked. But I have only talked with 330 countries on Ten for ARRL DXCC so I need ten new countries for DXCC. I may never get the chance to get then all, due to poor propagation!.

The Summer months are now over for our radio season in the USA and we are waiting for the Sun to start increasing the solar energy needed for our radio signals to skip to DX spots. After Solar Cycle 25 starts, it will take one-two years before the Sun generates enough daily energy to let Ten Meter signals to skip across the oceans on a regular basis. So lets all ask Santa for a Cycle 25 package this year!

Please remember to use the LoTW free service with the ARRL to keep track of all your QSO credits. You can upload your logbook into the LoTW database

when you are approved by the ARRL to do so. There is security involved and rules. The only cost is when you apply for an ARRL award using these LoTW contacts for DXCC or WAS etc.

Some of you know that the US Post Office is NOT accepting mail for one hundred countries as of the end of August. To send an airmail DX QSL, can cost three dollars to get a DX card. Remember, there is NO charge for a 10-10 award at the present time, which is one of your membership perks. Plus 10-10 does not require a QSL card verification, unlike the ARRL system. The 10-10 Countries Award Manager does follow most of the ARRL awards system rules. BUT you must have swapped your Callsign, Name, State and 10-10 number over the air on Ten, to record that member's information on any 10-10 award application.

I have talked with 10-10 members that use FT8 that can send their name, number and state info using the TX5 macro tab. You can send only 13 characters with the TX5 function. So type into the TX5: a 4 character name, a space, a five digit number, a space and a two character state, for sending during a QSO. My info is: Mike 24949 LA. If your name is longer, either use a short nickname or you will have to make two TX5 messages to transmit your info to make the contact valid, the shorter the better.

There were reports of new Cycle 25 sunspots at the SILSO website. SILSO is still forecasting more spotless days during the Cycle 24-25 transition but with a solar minimum ending this year. Cycle 25 is expected to be similar to Cycle 24, but one group of researchers have made a bold prediction that Cycle 25 could give off more solar flux than other predictions due to a magnetic shift that other scientists have not predicted. So, is this good science or sun magic, we will see what happens in real life over the next three years!

As of August 2020, there remains 22 countries that have not been worked for 10-10 Country credit as follows: 5R Madagascar, 9N Nepal, 9X Rwanda, 4O Montenegro, A7 Qatar, AP Pakistan, BS7 Scarborough Reef, EP Iran, FR/R Reunion, FR/G Glorioso, FR/W Crozet, HV Vatican, JX Jan Mayen, R1FJ Franz Josef Land, TN Congo, SY Mt Athos, VK0H Heard Isl., VK0M Macquarie Isl., VP8/S So. Shetland Isl., VU7A Andaman Isl., VU7L Laccadive Isl., XU Cambodia. It is possible that a 10-10 member was on Ten and did operate from one of these countries but due to many conditions, they were never asked for their 10-10 info!

Therefore, I am speculating that several of these 22 countries may **Never Be Activated** by a 10-10 member! Here are my reasons why BS7 Scarborough Reef, HV Vatican, and SY Mount Athos, may never be active for 10-10. BS7 is in the S. China Sea a highly disputed area for many years and ownership of the Reef is up for grabs. The HV Vatican in Rome is club station HV0A and is not a 10-10 member. So it would take a visiting operator to use the station and use their own number which probably is against the club rules. The SY Mt. Athos

location has only one ham operator who is not a 10-10 member.

The three French islands are a mix of restrictions some with military controlled but one with good access to Reunion island. The security access to the controlled islands would have to be by a 10-10 member who has a military access. The other five islands are also tough as they all have travel restrictions, some have no airport and others only access is by ship like VU7A Andaman and VU7L Laccadive off India, VK0H Heard, VK0M Mellish and South Shetland Islands. The two islands off India both have no resident ham ops and a DXpedition is infrequent but possible. The remaining countries have maybe one 10-10 member living in their country. A 4-9 person DXpedition is possible where one member could eventually visit some of these places where air service can be found. But when you want to DX at a far off island, you will spend lots of money chartering a sea worthy ship and having it wait for you to take you back home, plus the wildlife restrictions while visiting.

Again this quarter, there is little DX news for you to read about since the C-19 virus restrictions have shut down most travel. But for the June Field Day, many of you operated from home using all the contest bands. I doubled my FD score from the previous year and I was happy to have my score credited to the DX club that I belong to.

Please do not forget that the ARRL Ten Meter contest is coming up the second weekend in December 12-13, 2020. My present solar flux prediction for December may be the weekend of the Ten Meter contest. So, be sure to put this event on your calendar and try to find a few new members.

The next Solar Cycle 25 is about to start, so get ready to read about new 10-10 DX that you might need to work on Ten.

Countries Award: There were no Countries Awards submitted this quarter. A DXCC Most Wanted list can be found at: <https://Secure.Clublog.org/mostwanted.php>.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

4U United Nations. The remote ham radio station 4U1UN #55555, in the UN building in New York was last on Ten using FT8 on July 6th and 8th. Your best bet is to look for the UN beacon on 28200 to tell if you can hear their beacon signal on Ten. I saw a report that the station was on the air hundreds of times the past quarter, just not on Ten!

K USA. Howie **K1VSJ** #35318, was on Martha's Vineyard started in July. He operated in the IOTA contest in July but nothing reported his call on Ten.

KG4 Guantanamo Bay. Kelly **NM7H** #38578 was at club station KG4NE from Guantanamo Bay using the station from early February until the end of May. As of mid-May, he had made 7700+ QSO's with 382 logged on Ten. LoTW.

KH0 Mariana Islands. Tom **KC0W** #67688, has a new club call KH0W for the Saipan CW Club. No Ten-meter activity as yet, but a lot of lower HF frequency radio was reported.

UPCOMING DX & NEW 10-10 ACTIVITY:

CY0 Sable Island. Dan **W4DKS** #5395, Bob **K4UEE** #75256 and Will AA4NC #15774, has been rescheduled for October 2021. The island is about 200 miles east of Halifax, Nova Scotia. A chartered airplane is needed to land on the sandy beach at Sable. The callsign will be CY0C. LoTW.

FP St. Pierre & Miquelon Islands. Eric **KV1J** #31247, has cancelled his trip to Miquelon this year. Eric hopes to reschedule for June 29 to July 13, 2021. Website: <http://www.KV1J.com/fp/July20.html>.

K USA. The Texas DX Society is celebrating 50 years of club activity with callsign **K5DX** #76334. Activity starts after the Texas QSO Party on September 12-13th. Once the TQP is over, the special call is K5DX/50 and club members will be allowed to use the special call from September 14th for a month. Find **K5DX/50** on Ten and ask for the club 10-10 number especially the one day 10-10 Sprint on Oct 10th.

Website: <https://K5DX-50.TDXS.net>.

MISCELLANEOUS ITEMS & NOTES:

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

www.SolarHam.net and [Http://ARRL.org/Propagation](http://ARRL.org/Propagation).

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

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

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

Propagation: I expect the solar flux to range from 69-79 during the Fall for the USA. The Fall Equinox is on Tuesday September 22nd. Fall starts in the Northern Hemisphere that day and the Sun is over the equator giving us 12 hours of daylight.

There have been 24 solar cycles recorded since 1755 when records began. Our present solar cycle 24, continues to go through the solar minimum phase, until cycle 25 officially begins. The natural cycle of the sun is 11 years and we are now at that time. Cycle 25 could have started on November 17, 2019. The old method that is used to determine the start of a solar cycle is a 13-month running mean of the observed sunspot numbers, which means the November 2019 date cannot be verified until at least December 2020 by NOAA. Remember, sunspot numbers are counted by sun observation where-as solar flux is measured by radio at 2.8 GHz.

The monthly maximum solar flux in 2020: Jan 72, Feb 71, March 70, April 70, May 69, June 73, July 73, Aug 75.

The monthly minimum flux in 2020: Jan 70, Feb 70, March 69, April 69, May 66,

June 67, July 68, Aug 69.

On September 1st, the solar flux was 70, the A index was 26 and K index was 3. These solar flux numbers continue to indicate the poor propagation we are seeing as we pass out of Cycle 24. The USAF solar flux forecast for September 1st to October 15th is 70 to 72. There will be 19 days of 70 flux, 17 days of 71 flux and 9 days of 72 solar flux during the 45-day total.

My Prediction: Over the next three months, the best conditions on Ten could be: September 23-26th, October 20-24th, November 16-19th, December 11-15th. For the USA, expect a 15% chance of DX to Europe or Asia with a 50% chance of DX to South America or to the S. Pacific. Listen for the CW beacons from 28.175-28.300 to see if the band is open and use FT8 for all weak/low propagation QSO's.

There were no new 10-10 DX members join from June to August 2020. This DX News edition is my number 121st which equals to a lot of DXing reports.

Thanks to the Daily DX by Bernie W3UR #25731 and the Ohio/Penn DX Bulletins. DX Info to: Mike Davidson, 26274 Whispering Pines Ave, Denham Springs LA 70726 USA Email: N5MT@aol.com.

DX IS! 73 Mike Davidson N5MT #24949

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10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal has always been to fund our scholarships entirely through member donations. At the Scholarship Foundation meeting in May, the Foundation Board voted to guarantee the funding for three \$2000 scholarships to be awarded in 2021. The Foundation was created in 2001 and is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. Why not consider a donation as a Chapter or an individual in memory of a fellow ham or loved one. If you have an employer matching program, please let us know. This quarter Charles Thompson, KE6DRN, #68855 made a matching donation. 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 make a donation of \$25 or more, you are eligible to receive one of the historic 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 the website or send your check to me or the Data Manager. Our addresses can be found on Page 31.

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)

N5MT	Michael Davidson	24949
KC0RBV	Jennie Tuttle	77375
N8YXR.....	Robert Tuttle	77575

Gold (\$500 to \$999)

None

Silver (\$100 to \$499)

*KE6DRN.....	Charles Thompson	68855
AD5IF	John McCrevey	73372

Bronze (Up to \$99)

KB1TX	Art Smith	21231
WW5F.....	Guy Navarro	23676
WB3IPE	Rod Hackman	24505
WO7T	Mark Gustoff	37055
WB9PTN.....	Eric Erwin	53506
N4JED	David Jones, Jr.	49049
KD4AMP.....	Jon Beaver	59739
KD4BTU	Patsy Beaver	59754
N4SVC.....	Suwannee ARC	75836

* Donation will be matched

10-10 Scholarship Applicant Information

Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds three \$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. Over the past 33 years, 10-10 has funded 126 scholarships valued at \$163,000.

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

FAR Scholarships
P.O. Box 911

Columbia, MD 21044-0911



Net Report

Bob Farrow, N6OPR
(#45715)

Net Report for 2nd Quarter 2020

Monday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
6-Apr	2	0	6-Apr	8	0
13-Apr	2	0	13-Apr	6	0
20-Apr	2	0	20-Apr	6	1
27-Apr	2	0	27-Apr	7	0
4-May	2	0	4-May	6	0
11-May	2	0	11-May	5	0
18-May	2	0	18-May	5	1
25-May	2	0	25-May	8	0
1-Jun	2	0	1-Jun	8	1
8-Jun	2	0	8-Jun	7	0
15-Jun	4	0	15-Jun	9	0
22-Jun	2	0	22-Jun	7	0
29-Jun	2	0	29-Jun	4	0

Tuesday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
7-Apr	13	0	7-Apr	XXX	XXX
14-Apr	13	0	14-Apr	XXX	XXX
21-Apr	19	1	21-Apr	XXX	XXX
28-Apr	12	0	28-Apr	XXX	XXX
5-May	11	0	5-May	XXX	XXX
12-May	10	0	12-May	XXX	XXX
19-May	11	0	19-May	XXX	XXX
26-May	11	2	26-May	XXX	XXX
2-Jun	14	3	2-Jun	XXX	XXX
9-Jun	10	3	9-Jun	XXX	XXX
16-Jun	5	4	16-Jun	XXX	XXX
23-Jun	18	3	23-Jun	XXX	XXX
30-Jun	11	3	30-Jun	XXX	XXX

Wednesday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
1-Apr	20	5	1-Apr	XXX	XXX
8-Apr	11	0	8-Apr	XXX	XXX
15-Apr	46	10	15-Apr	XXX	XXX
22-Apr	2	6	22-Apr	XXX	XXX
29-Apr	14	0	29-Apr	XXX	XXX
6-May	9	0	6-May	XXX	XXX
13-May	9	0	13-May	XXX	XXX
20-May	19	4	20-May	6	0
27-May	16	2	27-May	XXX	XXX
3-Jun	20	4	3-Jun	8	1
10-Jun	12	1	10-Jun	XXX	0
17-Jun	21	2	17-Jun	XXX	0
24-Jun	10	1	24-Jun	4	0

Thursday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
2-Apr	11	0	2-Apr	2	0
9-Apr	18	3	9-Apr	2	0
16-Apr	28	8	16-Apr	2	0
23-Apr	8	0	23-Apr	2	0
30-Apr	9	0	30-Apr	2	0
7-May	8	0	7-May	5	1
14-May	11	1	14-May	5	1
21-May	11	0	21-May	3	0
28-May	15	2	28-May	5	1
4-Jun	23	5	4-Jun	4	2
11-Jun	25	5	11-Jun	3	1
18-Jun	14	1	18-Jun	3	1
25-Jun	34	8	25-Jun	3	1

Friday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
3-Apr	4	0	3-Apr	XX	XX
10-Apr	10	6	10-Apr	XX	XX
17-Apr	11	0	17-Apr	XX	XX
24-Apr	12	1	24-Apr	XX	XX
1-May	4	0	1-May	14	1
8-May	4	0	8-May	12	0
15-May	16	7	15-May	12	2
22-May	12	4	22-May	12	2
29-May	4	0	29-May	11	1
5-Jun	4	0	5-Jun	9	0

12-Jun	4	0	12-Jun	10	0
19-Jun	5	1	19-Jun	14	1
26-Jun	61	25	26-Jun	11	2

Saturday Nets

-----28.360 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
4-Apr	XXX	XXX	4-Apr	XX	XX
11-Apr	XXX	XXX	11-Apr	XX	XX
18-Apr	XXX	XXX	18-Apr	XX	XX
25-Apr	XXX	XXX	25-Apr	XX	XX
2-May	XXX	XXX	2-May	XX	XX
9-May	XXX	XXX	9-May	XX	XX
16-May	XXX	XXX	16-May	XX	XX
23-May	XXX	XXX	23-May	XX	XX
30-May	XXX	XXX	30-May	XX	XX
6-Jun	XXX	XXX	6-Jun	XX	XX
13-Jun	XXX	XXX	13-Jun	XX	XX
20-Jun	XXX	XXX	20-Jun	XX	XX
27-Jun	XXX	XXX	27-Jun	XX	XX

XX NO NET CALLED
 XXX NO REPORT RECEIVED

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Open. N6OPR	#45715	AZ
Mon (28.800)	Doc, WB6QJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Tues (28.800)	Mike, KF4WKY	#70191	NC
Wed (28.380)	Bob, N6OPR	#45715	AZ
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 NØTW	#36547	FL
Fri (28.800)	Tim, K1IEB	#74965	AZ
Sat (28.380)	Mike, KF4WKY	#70191	NC
Sat (28.800)	Open. Contact Bob N6OPR for info		
Alternate	Bob, K6DNR	#75386	CA

Sunday **NEVER ON SUNDAY**

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.

Local Groups on 10 Meters

Here is a first run list of local groups that meet on 10 meters. Not all are 10-10 affiliated, but this does promote activity on 10 meters.

For corrections or updates, please contact Jim Stoeber, wi9x at wi9x1989@yahoo.com.

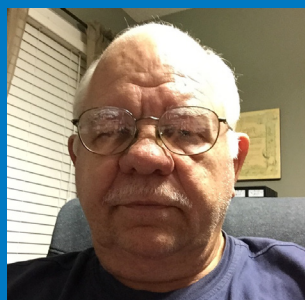
28.350 Evansville, IN
 28.365 Anderra, IN (NE of Indy)
 28.370 Eastern TN – Sevierville / Knoxville
 28.375 Pensacola, FL 7:00 pm local Wednesday evenings
 28.375 Orange County ARC 7:30 pm local nightly
 28.375 Tauton, MA 7:00 pm local Sunday evenings
 28.380 Tuscaloosa, AL
 28.380 Milo, MI
 28.400 Kansas City
 28.400 Eastern Washington 1800 – 1900 local time nightly
 28.405 ditto
 28.405 Columbus, OH
 28.444 Prescott, AZ 8:00 pm Thursday evenings
 28.450 Hattiesburg, MS Sunday evenings 0320 UTC
 28.495 South Central PA 7:00 pm Friday evenings

QSL Bureau News

Things at the QSL Bureau have been very quiet. No cards are currently in the bureau, and none have been processed.

Remember that I can process cards between all 10-10 members, no matter the band, mode or operating event - the only requirement is that both stations have a valid 10-10 number. All cards should be sent to my address below.

Jim Stoeber, wi9x #49635
 8829 Bermuda Ave.
 Caseyville, IL 62232



QSO Parties

Dan Morris, KZ3T
(#41015)

2020 OPEN SEASON QSO PARTY

June 6 - 7

TOP TEN

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
1. WA4EEZ	0	21	6	10	100
2. N4ZCG	8	16	3	6	73
3. KE4DEV	5	16	2	7	71
4. AA4XU	2	8	6	8	68
5. KD5DE	1	13	3	7	64
6. KM4ODS	9	13	3	5	64
7. N5MT	2	14	2	5	56
8. KE4DRF	3	6	2	8	53
9. AK4YS	4	8	1	6	47
10. N3GTU	4	8	3	3	41

CALL AREA ORDER

CALL AREA 0

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
W0RTV	0	1	0	3	14

CALL AREA 2

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
WA2HMM	2	7	0	4	32
WA2JSG	3	0	2	1	13

CALL AREA 4

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
WA4EEZ	0	21	6	10	100
N4ZCG	8	16	3	6	73
KE4DEV	5	16	2	7	71
AA4XU	2	8	6	8	68
KM4ODS	9	13	3	5	64
AK4YS	4	8	1	6	47
N3GTU	4	8	3	3	41
ND4G	1	6	1	5	36
KA5VZG	2	4	1	4	29
KJ4RV	3	12	0	0	27
K4QHH	0	4	1	2	19
KZ3T	0	1	0	4	18
W8IM	1	5	1	1	18
K4VBM	1	4	0	1	13
N3CKI	1	1	0	2	11

CALL AREA 5

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
KD5DE	1	13	3	7	64
N5MT	2	14	2	5	56
KE4DRF	3	6	2	8	53
KD5ILA	0	4	0	4	24
KM5 FF	0	4	1	1	15
KD5HIP	1	2	1	1	12
KI5ELV	0	2	0	2	12

CALL AREA 6

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
AB6QM	0	3	0	0	6

CALL AREA 7

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
AJ7B	2	2	0	0	6
KJ7AKV	2	2	0	0	6

CALL AREA 8

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
W8TOM	0	4	1	7	39

QRP

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
AK4YS	4	8	1	6	47
N3GTY	4	8	3	3	41
KJ4RV	3	12	0	0	27
W8IM	1	5	1	1	18

LOW POWER

CALL	W/O #	W/1 #	W/2 #	W/3 #	TOTAL
WA4EEZ	0	21	6	10	100
N4ZCG	8	16	3	6	73
KE4DEV	5	16	2	7	71
KD5DE	1	13	3	7	64
KM4ODS	9	13	3	5	64
N5MT	2	14	2	5	56
KE4DRF	3	6	2	8	53
W8TOM	0	4	1	7	39
KA5VZG	2	4	1	4	29
KD5ILA	0	4	0	4	24
K4QHH	0	4	1	2	19
KM5 FF	0	4	1	1	15
W0RTV	0	1	0	3	14
WA2JSG	3	0	2	1	13
KD5HIP	1	2	1	1	12
KI5ELV	0	2	0	2	12
N3CKI	1	1	0	2	11

LOW POWER (Cont.)

Call	W/O #	W/1 #	W/2 #	W/3 #	Total
AB6QM	0	3	0	0	6
AJ7B	2	2	0	0	6
KJ7AKV	2	2	0	0	6

HIGH POWER

Call	W/O #	W/1 #	W/2 #	W/3 #	Total
AA4XU	2	8	6	8	68
ND4G	1	6	1	5	36
WA2HMM	2	7	0	4	32
KZ3T	0	1	0	4	18
K4VBM	1	4	0	1	13

CLUB ENTRIES

Call	W/O #	W/1 #	W/2 #	W/3 #	Total	OPS
K4MN	9	13	3	5	64	KM4ODS
NM5H	2	11	1	5	47	N5MT
N4ZFF	4	8	3	3	41	N3GTY

2020 SPIRIT OF 76 QSO PARTY**Jun 12 - Jul 5****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. K8DEL	2978	83	93	259
2. N5MT	24949	27	11	65
3. W5SUM	2019	25	2	52
4. KD5ILA	77652	22	7	51
5. KM5FF	50356	21	2	44
6. KD5DE	33513	20	3	43
7. KZ3T	41015	14	7	35
7. AB6QM	63114	7	21	35
8. N1API	25468	15	4	34
9. W2PSK	75163	0	27	27
10. W0RTV	13962	12	0	24

CALL AREA ORDER**CALL AREA 0**

CALL	10-10#	CTX W	CTX WO	TOTAL
W0RTV	13962	12	0	24

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	15	4	34

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
W2PSK	75163	0	27	27

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KZ3T	41015	14	7	35
AA4XU	46677	6	2	14

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	27	11	65
W5SUM	2019	25	2	52
KD5ILA	77652	22	7	51
KM5FF	50356	21	2	44
KD5DE	33513	20	3	43

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	7	21	35
KJ8O	75942	2	0	4

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	83	93	259

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	27	11	65
W5SUM	2019	25	2	52

LOW POWER (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
KD5ILA	77652	22	7	51
KM5FF	50356	21	2	44
KD5DE	33513	20	3	43
KZ3T	41015	14	7	35
AB6QM	63114	7	21	35
N1API	25468	15	4	34
W2PSK	75163	0	27	27
W0RTV	13962	12	0	24
AA4XU	46677	6	2	14
KJ8O	75942	2	0	4

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	83	93	259

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	27	11	65	N5MT
W1NRG	29650	15	4	34	N1API

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
CATT	1	259
LOUISIANA PELICAN	2	130
STEAMBOAT	2	95
CASTLE CRAIG	2	68
POSSUM TROT	1	35
GATEWAY	1	24

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
KC5CYY	0	4	11	19	0
OZ1D	17405	0	6	6	0
NU4N	26802	1	0	2	0

2020 SUMMER PHONE QSO PARTY**Aug 1 - 2****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. DL8YBM	36109	28	173	229
2. KD4AMP	59739	38	52	128
3. N5MT	24949	44	38	126
4. W5SUM	2019	48	25	121
5. N4ZCG	56067	46	23	115
6. N6OPR	45715	49	14	112
7. KG5ZMQ	77628	42	21	105
8. N0TW	36547	34	34	102
9. KM4ODS	77504	32	25	89
10. NC0B	74875	29	29	87

CALL AREA ORDER**CALL AREA 0**

CALL	10-10#	CTX W	CTX WO	TOTAL
NC0B	74875	29	29	87
W0RTV	13962	21	1	43
KA0HZP	31562	11	3	25
N0CUN	33031	9	5	23
K2HT	68440	5	8	18

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	16	8	40
N1ZN	73599	7	3	17
N1YKH	70147	2	0	4

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	14	1	29
WA2CNV	65510	6	3	15
WA2SUH	407	6	2	14

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
N3DUE	41066	5	0	10
K1BZ	6547	5	0	10

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KD4AMP	59739	38	52	128
N4ZCG	56067	46	23	115
N0TW	36547	34	34	102
KM4ODS	77504	32	25	89
KJ4RV	37776	31	13	75
KF4JDR	77817	23	1	47
AK4YS	75328	21	2	44
WB4WXE	7010	14	11	39
K4FET	77603	15	6	36
K4QHH	26040	15	2	32
KA5VZG	46596	12	0	24
N3GTU	50585	10	1	21
KK4MCY	77124	9	2	20
KI4YRH	75352	5	1	11
AF4LL	71872	4	0	8
KZ3T	41015	1	0	2

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	44	38	126
W5SUM	2019	48	25	121
KG5ZMQ	77628	42	21	105
KD5DE	33513	29	12	70
N2VOX	77798	17	4	38
KD5ILA	77652	4	0	8
AD5IF	73372	3	1	7
KM5FF	50356	3	0	6
KM5EH	71103	1	0	2

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
N6GP	21149	0	1	1

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
N6OPR	45715	49	14	112
K7CWS	50288	25	5	55
W7MC	69078	9	2	20
KA7BHK	74429	2	0	4
AB7WP	77529	1	0	2

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	23	22	68
WB8WIV	24086	7	0	14
W8TOM	74496	6	1	13
K8IZK	73889	3	1	7
K8LL	76801	1	0	2

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
K8CTM	77275	14	9	37
KC9TQU	77157	16	1	33
NY9X	23827	6	0	12
KC9EOQ	74609	5	0	10
WA9LJK	70789	4	1	9

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
AD5IF	73372	3	1	7

MOBILE

CALL	10-10#	CTX W	CTX WO	TOTAL
W9YOY	76637	2	4	8

COUNTRY ENTRIES**FRANCE**

CALL	10-10#	CTX W	CTX WO	TOTAL
F6BXQ	25912	0	33	33

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	28	173	229
DL6DK	39944	30	22	82

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	44	38	126
N4ZCG	56067	46	23	115
KG5ZMQ	77628	42	21	105
KM4ODS	77504	32	25	89
KJ4RV	37776	31	13	75
KD5DE	33513	29	12	70
KF4JDR	77817	23	1	47
AK4YS	75328	21	2	44
W0RTV	13962	21	1	43
N1API	25468	16	8	40
WB4WXE	7010	14	11	39
N2VOX	77798	17	4	38
K8CTM	77275	14	9	37
K4FET	77603	15	6	36
KC9TQU	77157	16	1	33
KA0HZP	31562	11	3	25
KA5VZG	46596	12	0	24
N0CUN	33031	9	5	23
N3GTU	50585	10	1	21
W7MC	69078	9	2	20
KK4MCY	77124	9	2	20
K2HT	68440	5	8	18

LOW POWER (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
N1ZN	73599	7	3	17
WA2CNV	65510	6	3	15
WA2SUH	407	6	2	14
W8TOM	74496	6	1	13
NY9X	23827	6	0	12
KI4YRH	75352	5	1	11
WA9LJK	70789	4	1	9
KD5ILA	77652	4	0	8
K8IZK	73889	3	1	7
KM5FF	50356	3	0	6
N1YKH	70147	2	0	4
KZ3T	41015	1	0	2
KM5EH	71103	1	0	2
K8LL	76801	1	0	2
AB7WP	77529	1	0	2
N6GP	21149	0	1	1

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	28	173	229
KD4AMP	59739	38	52	128
W5SUM	2019	48	25	121
N6OPR	45715	49	14	112
N0TW	36547	34	34	102
NC0B	74875	29	29	87
DL6DK	39944	30	22	82
K8DEL	2978	23	22	68
K7CWS	50288	25	5	55
F6BXQ	25912	0	33	33
K4QHH	26040	15	2	32
WA2HMM	40510	14	1	29

HIGH POWER (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
WB8WIV	24086	7	0	14
N3DUE	41066	5	0	10
K1BZ	6547	5	0	10
KC9EOQ	74609	5	0	10
AF4LL	71872	4	0	8
KA7BHK	74429	2	0	4

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
POSSUM TROT	12	570
HANSE	2	458
STEAMBOAT	5	404
LOUISIANA PELICAN	2	252
BRANDING IRON	3	246
CATT	4	199
GATEWAY	4	124
MLB	1	112
CASTLE CRAIG	4	101
ARIZONA DESERT	4	81
GOLD CITY	1	32
CITY OF LIGHTS	1	10

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
DF0IA	68914	28	173	229	DL8YBM
N4SVC	75836	38	52	128	KD4AMP
NM5H	68588	44	38	126	N5MT
K4MN	24874	32	25	89	KM4ODS
DF0AG	74925	30	22	82	DL6DK
DL0BIC	77526	30	22	82	DL6DK
W5RRV	42114	29	12	70	KD5DE

CLUB ENTRIES (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
W1NRG	29650	16	8	40	N1API
NZ4FF	77686	10	1	21	N3GTY

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
OZ1D	17405	1	23	25	0
N6OKU	0	3	0	6	0
KK4WX	42594	3	0	6	0
K6ICS	0	0	5	5	0

TEN-TEN WEAK SIGNAL QSO PARTY (WSQP)

Ten-Ten International, Inc. is proud to announce a new 10-10 QSO Party beginning in 2021. It will be called the Weak Signal QSO Party (WSQP) and will be in July of 2021 and will replace the Spirit of 76 QSO Party. This new event will be for 2 days on a weekend as most of our normal QSO Parties. We formed a committee of those that work the weak signal modes and know more about them than I do. The committee took a little over a month to come up with a feasible weak signal QSO Party event. They did a great job and I commend them for their efforts. I want to thank the following for coming up with recommendations/suggestions for a WSQP QSO Party: Wes, AA4XU; Mike, N5MT; Charlie, WA2HMM; Mark, KD2NOM; Randy, AJ7B. By default, Mel (KD5DE) is on every committee.

I compiled all the comments/suggestions and came up with WSQP rules which the committee and then the BOD approved. These rules will be posted on the 10-10 web site under the Activities tab and the NEWS. It will consist of FT/ JT/JS modes and any future weak signal modes as deemed necessary in the future. We look forward to this new event in 2021.

Dan Morris KZ3T #41015
10-10 QSO Party Chairman

QSO Party Report

Hello all the GREAT 10-10 folks out there!! Just a note here about the summer phone contest on 8-1&2 2020. We did the contest from the N4SVC Suwannee amateur radio clubhouse 75836 SARC starting at 20:00 local time Friday night. Ten meters was very dead. But low and behold our first contact, one minute into the contest, was none other than N0TW Terry our past 10-10 president and still Friday afternoon net control!!!

How cool is that!! He only lives about 60 miles west of us, so was still a local contact like the other few we had Friday evening, although we did have one several second contact with NC0B Steve in Colorado. He was there long enough for contact then gone. Then was over until Saturday morning were we had a few more local contacts before getting a 20 over nine contact from WB0LQC Steve in Kansas !! around noon, then we finally had a opening to 9 land !! for about an hour before shifting northeast to cover parts of northeast and a few Brazil stations . The calls were only good for couple hours before back into quite hours again. Then about 5 hours later a few locals, then sat night about midnight a little opening to the northeast till about one Sunday morning then it was done till Sunday about noon again were its back to the northeast then shifted to the Midwest and west till about six in the evening when all went back to quiet hours to the end !!

It was great to catch the ten-meter folks on, they are always a very nice and a pleasure to talk to. And the long timer, low numbers, 36547,4957 WOW,28998,44823,12733 wow, 44724,31562,13962 wow,1255 WOW, 24086,46596,49616,32236,48682.



Always a pleasure to work the low numbers. Hats off to them all!!!! Also had several no numbers who were looking to get their number, so we helped them out with our two numbers 75836 and 59739!! During the slow times we read the current edition of 10 10 news completely and had a great all around weekend at the clubhouse!! Would like to say a note that almost all contacts were there a minute and gone the next but WB0LQC was there for several hours 5/9 plus??? He must be keying his mic harder! HIHI also hats off to the ole retired submariner BOB, who had the lowest number worked: 4957!! WOW! Another Great Ten-Ten QSO party in the books, was lots of fun and thanx to all that

make it possible!!!!

73 and God Bless from Suwannee county, Florida 10 10 let's do it again!!!!

P/S Will look for you all in the 10 10 sprint October Tenth!!!

Jon KD4AMP 59739 at N4SVC 75836 clubhouse

Trolling the 28.074 MHz Trench

WSJT-X is the greatest way to make contacts on 10 meters with the propagation as poor as it is. Going to 28.074 one will find "Nothing", then suddenly the band pops open, Europe, South America, and parts of the United States come blasting thru; on the US North East Coast. I imagine on the West Coast Pacific and Asian stations come thru. BUT the signals would not be heard on SSB or CW. They are below the noise level.

I have found that many operators are just banging away to make as many QSOs they can, and "the devil take the high road". Since May 1st, 2020, until now, June 15, 2020. I have tried to get 10-10 numbers from 55 members. They have not responded. Either they just want to make contacts, and not bother to pass 10-10 information, or they don't know how. There have been more, but with the suggestion of viewing the video on the 10-10 web-site, these members passed along their 10-10 information.

To send your 10-10 information, it is VERY, VERY, EASY TO DO. Using the TX5 message. You can either type in your information, and then send it, or using TX Macros have a "Canned Message" ready. Using the pull-down menu on TX5, you can select the Transmit Macro of your choice. Check out the video.

I have been monitoring and operating on 28.074 MHz daily. I have used WSJT-X to catch many 10-10 members who passed on their information. The more folks that learn how easy this is, the more will be getting 10-10 awards.

Hope to see you on the "Waterfall" and get you in my log.

73 Charlie, WA2HMM, 40510

Antenna System Project – Part 2

This article is an update to the project I started back in May of this year and wrote about in the July issue of this newsletter. More specifically, the project is the construction of a remotely controlled "balanced" tuner for my friend's (Rob NR3O) 160-meter Skywire or horizontal loop. The tuner design is based on an article Richard Measures wrote and was published in the February 1990 issue of QST: *Balanced* Balanced Antenna Tuner.

As of this writing, we have completed the first phase of the project. A prototype of the tuner is now built and its components (capacitor and inductors) can be set through toggle switches on the tuner itself. The components can also be controlled through a serial port from a PC. If close enough to the PC, a USB

cable can carry the communication between the two. If the distance between PC and tuner is further than a USB cable can accommodate, a wireless connection was designed into the tuner. We learned a lot as we progressed through the steps of building this tuner.

The first step was to place the two roller inductors on the board we used as a base. These two inductors needed to be synced so they would present the same inductance on each leg of the balanced line. This was accomplished with a timing belt and geared pulleys on each inductor shaft. The notches in the pulleys and matching cogs on the belt prevents any slippage between the two inductors. The feedback loop that tracks the inductors' position consists of a 10-turn 10k ohm potentiometer with 5 Vdc applied across it and mechanically

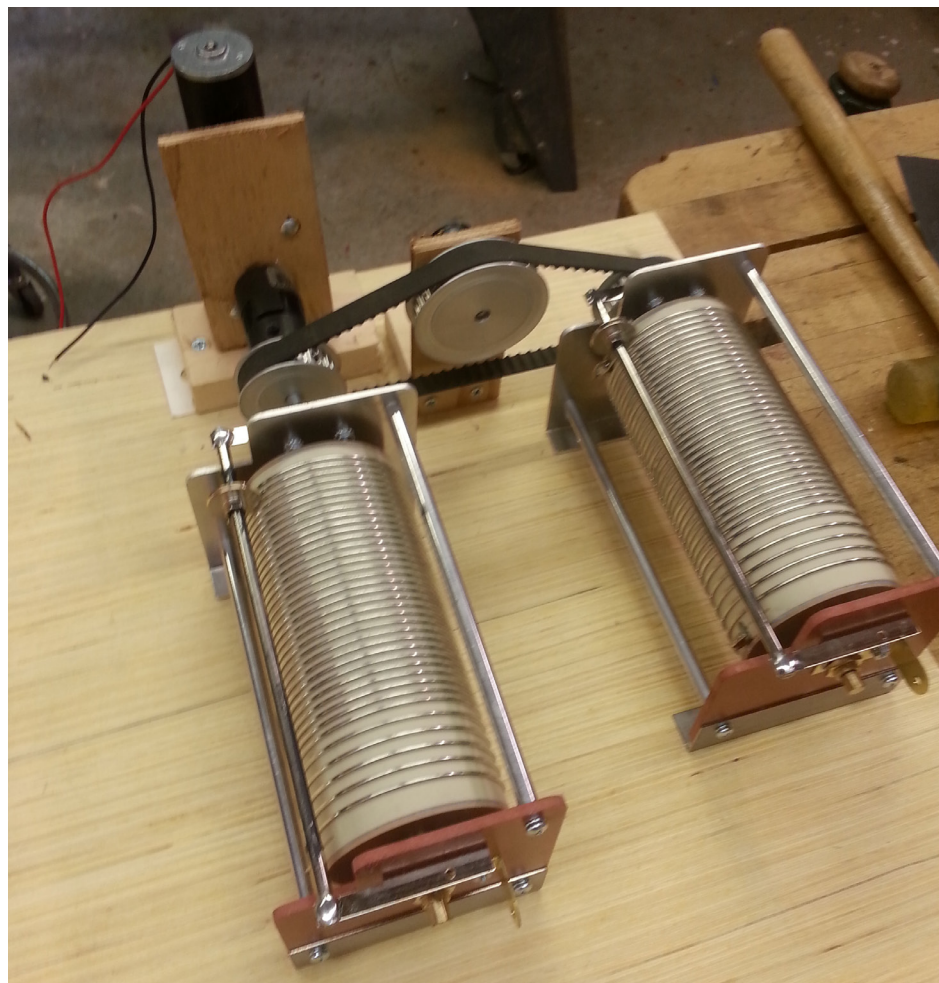


Figure 1. Inductor and Potentiometer Drive

connected to the inductor shafts. The voltage on the wiper of the pot will be used to indicate the relative position of the inductors. With the inductors having 35 rotations between 0 and 35 μH and the potentiometer having only 10 turns, the two could not be connected directly together. Some form of turns ratio was needed between the inductor shaft and the pot. As shown in Figure 1, we put a larger pulley on the pot shaft and put that pulley on the timing belt between the two inductors. The ratio between the pulleys on the inductors and the pulley on the pot was not enough to allow the inductors to reach enough inductance for the antenna we were working with. So, we redesigned the mechanical connection to the pot so a much smaller pulley was on one of the inductor shafts and a second timing belt was used to mechanically connect the pot to the inductors with a larger pulley. See figure 2.

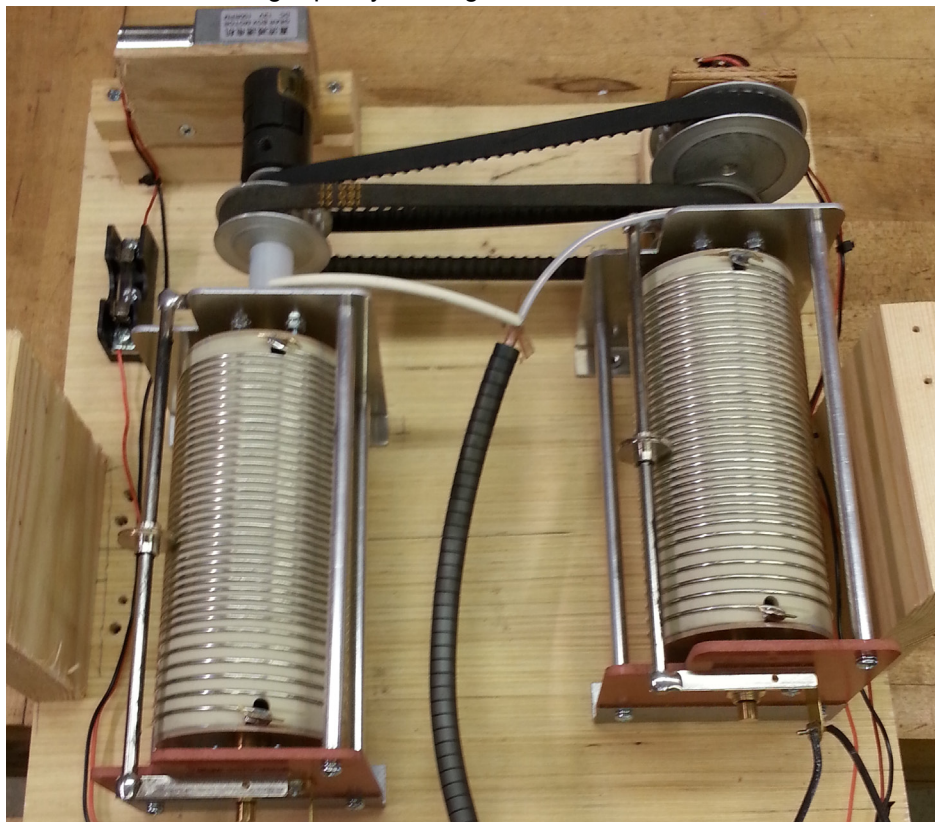


Figure 2. Inductor and Potentiometer Drive - Part 2

Although this setup still didn't allow the inductors to reach their highest inductance, it was enough to match our antenna. The lesson learned here was that with two roller inductors effectively in series, the total inductance is more than enough to match any antenna impedance, and therefore, we could have used a smaller inductor with fewer turns.

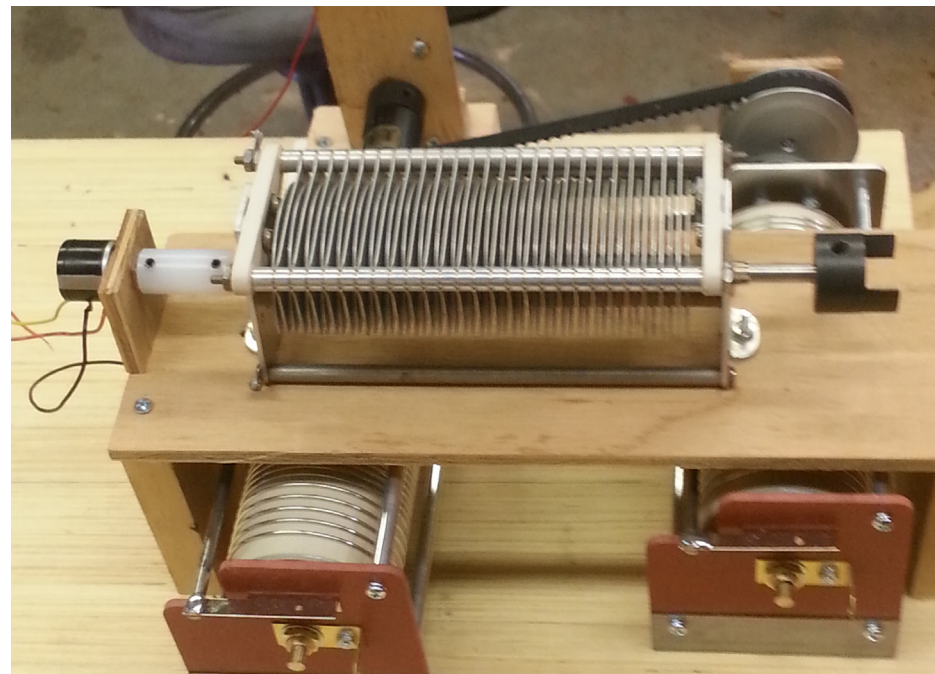


Figure 3. Capacitor Placement

The next step was to add the capacitor to the circuit. I had a 25 to 347 pF capacitor available and was willing to donate it to the cause. I mounted it above the two coils. See figure 3.

This particular capacitor has parts of the shaft sticking out both ends of the housing. I used a nylon connector to mechanically connect a 5k ohm pot to the short end of the capacitor. This is a standard pot and has a rotation range of about 330 degrees. That works fine with the capacitor in that we only need to rotate the capacitor less than 180 degrees to get full range capacitance.

Two DC motors are used to set the positions of both the capacitor and inductors. Both motors have the same torque and rotation speed. The difference between them is the gear box mounted on the motor. The motor connected to the capacitor has a shaft speed of 62 rpm. The shaft speed of the inductor motor is 100 rpm. We started with these motors knowing that the Arduino could control the motor's speed by pulse-width modulating the DC voltage to the motors. Therefore, motor speed of each motor could be controlled through the Arduino sketch (program).

The mechanical coupling between the tuning components, the motors and potentiometers needed to be insulated. As the capacitor shaft and its position potentiometer were both $\frac{1}{4}$ ", the connection was made with a simple nylon coupler. The connection between motors and the tuning components was a bit

more complicated. Depending on the motor we bought, we had to mate either a 1/4" or 5/16" shaft to 1/4" shafts on the components. We knew we would be experimenting with different motors and wanted the process of swapping out motors to be quick and easy. Rob found a vendor that had a coupling design that would accommodate various shaft diameters and mate between the motor components with a simple nylon connector. See Figure 4.

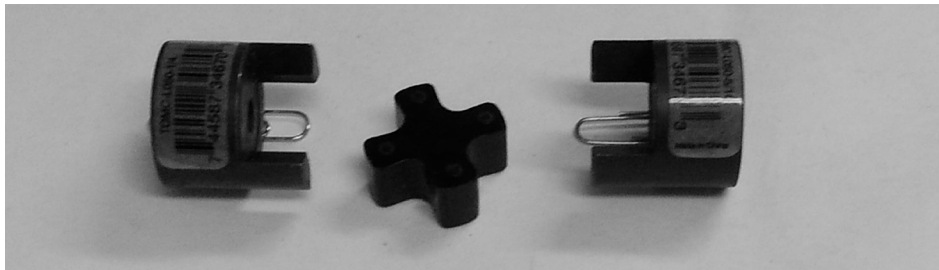


Figure 4. Coupler Parts

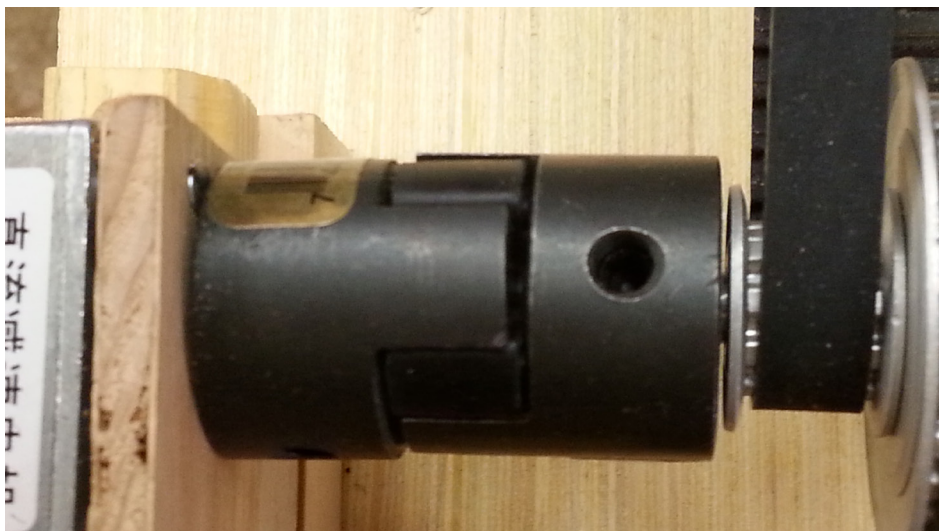


Figure 4. Coupler Parts

The DC motors are rated to 12 volts. Varying the voltage does adjust the speed of the motor. However, trying to control the voltage using a digital control is challenging, unless you vary the applied voltage using pulse-width modulation. Some of the Arduino micro-controller's digital outputs can do just that. Although the Arduino itself doesn't have the capability of supplying 12 Vdc, a motor controller does. For this project, we chose the L298N Motor controller. This controller not only controls 12 volts to our motors, but it also supplies 5 Vdc. In addition, the one controller board can control two motors. That's perfect for our application.

The Arduino requires a sketch (program) with steps designed to monitor inputs

and generate outputs. For the tuner application, four digital inputs are used to monitor the toggle switches the operator uses to position the tuner components. These are capacitor up, capacitor down, inductors up and inductors down. Two more inputs are required to monitor component positions. These two inputs are analog (0 – 5 Vdc) from the wipers of the two potentiometers. Both of the analog inputs have an analog to digital converter to deal with the voltages as a digital number within the sketch.

There is another Arduino input that needs monitoring: the serial port. The sketch has steps that look at the serial port for incoming data and when present, take action based on the characters received. There are a number of commands the sketch looks for that determines what action to take. Some examples are capacitor up, capacitor down, inductors up, inductors down, send status and a few more commands.

In addition to looking for outside commands from a user, the Arduino must also monitor the movement of the components so they aren't driven beyond their mechanical range. When a motor is moving, the sketch is continually monitoring the position feedback voltage and comparing the present position value to the maximum and minimum value. If it equals or is greater than the maximum value, the motor is stopped. The same action occurs if the position value equals or is less than the minimum value.

The balun used in Measures' article is a section of coax line wrapped around a PVC pipe. That is one way of creating a balun, however, we chose the W2DU method. You can purchase a balun kit (Figure 6) with all the parts you need to construct Maxwell's balun. The assembled balun can be seen between the two inductors in Figure 2.



Figure 6. W2DU Balun Kit

Once the tuner was assembled to the point where we could position the components with the toggle switches on the tuner, we took the tuner and an analyzer to the end of the skywire's feedline and tested it on 160, 80, and 40 meters.

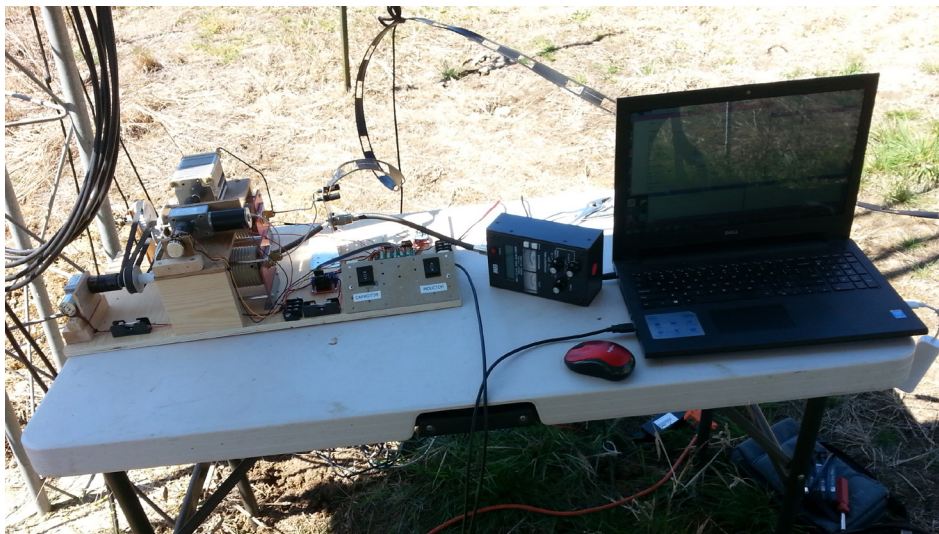


Figure 7. Field Test of Prototype Tuner

We were able to achieve a 1.1:1 match anywhere on the 80 and 40-meter bands, but only 2:1 or better on the lower two thirds of the 160-meter band. As we worked our way across the 160-meter band, we found that the capacitor would reach full capacitance before we got to the end of the band. 347 pF was not enough capacitance to match the entire band.

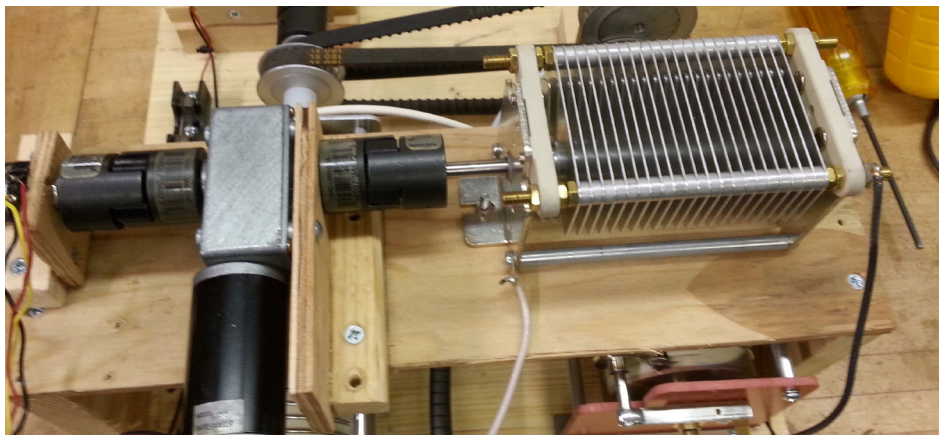
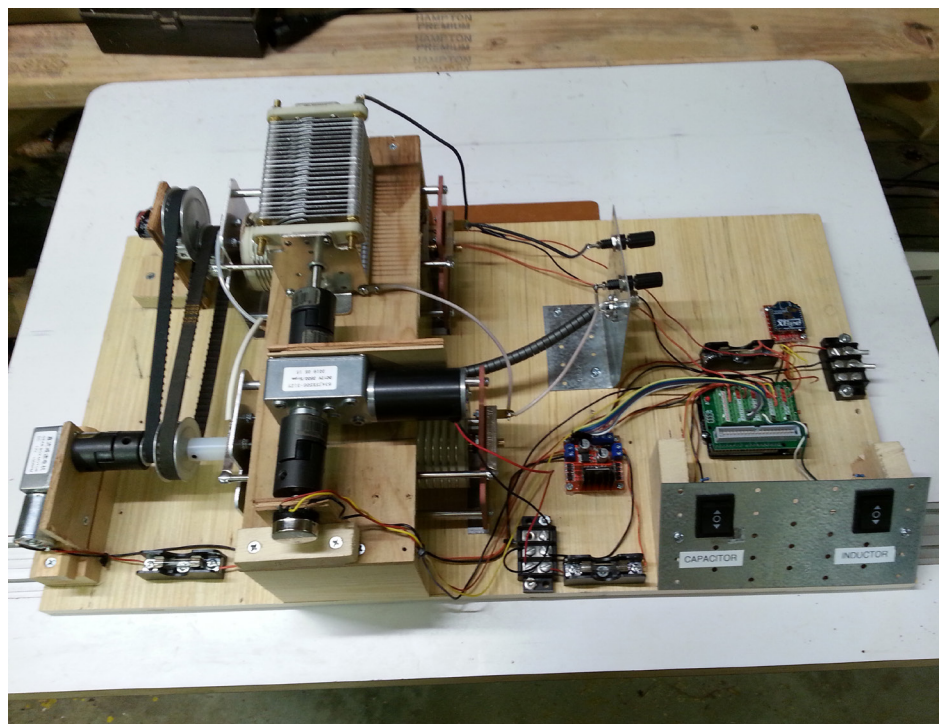


Figure 8. Dual Shaft Motor and Capacitor

A larger capacitor (488 pf) was ordered to expand the tuner's matching range on 160 meters. However, the shaft of the new capacitor did not extend out the back side of the frame. We needed to come up with another way of mechanically attaching the capacitor's position potentiometer to the capacitor's shaft. Our solution was to purchase a DC motor that had dual shafts coming out of the gear box. As shown in Figure 8, one gear box shaft is attached to the capacitor shaft and the other gear box shaft to the positioning potentiometer. The only circuit adjustment required was the reversal of the 5 Vdc applied to the potentiometer as the rotation was now in the opposite direction.

At this point, phase 1 of the project was completed. We had a working antenna tuner that could match pretty much any antenna we connected to it. Phase 2 objective is to have the tuner controlled remotely. That part of the story will be in the next issue of this newsletter.

Randy – AJ7B #7675



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.	24600WA5JDU		3017
2.	11700K0PV		9902
2.	11700N5XZ		4530
4.	11300DL8YBM		36109
5.	10600N1API		25468
6.	10000K6PZE		1341
7.	9800N5DAS		35877
8.	8800AC6FU		10937
9.	8200K5FBS		48461
10.	8200N6OPR		45715

TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	10100WD0SFT		37933
2.	4400K6MQ		71487
3.	3400DL0X		75555
4.	2100W8PGW		74726
5.	1800W1NRG		29650
6.	1200NM5MD		72385
7.	1100W4MNM		75450

1000+ MILESTONE BARS

1300 BAR

NO.	CALL	10-10#
998	WA2HMM	40510

1900 BAR

NO.	CALL	10-10#
607	WA9LJK	70789

8300 BAR

NO.	CALL	10-10#
35	N6OPR	4715

DIGITAL AWARDS

600 BAR

NO.	CALL	10-10#
5	WA2HMM	40510

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.

73 Dennis Stice WI5V #35806

IARU Region 2 HF Beacon Coordinator

<https://wi5v.net/author/wi5v>

AWARDS MANAGERS

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
Bar 1000+	Tony Lisnak, N2WIE, #66790	192 Greenvale Ave, Yonkers, NY 10703	(914) 476-4032	lisnak@optonline.net
VP Bar	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP WAS.	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP Lucky 13 . .	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
WAC	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	kevinemt1d@tvconnect.net
Counties	Brad Kimble, K0DBK #55192	3855 66th St. E., Inver Grove Hts, MN 55076-2222	(651) 755-9192	kzerodbk@gmail.com
Countries	Mike Davidson, N5MT #24949	26274 Whispering Pines Ave, Denham Springs, LA 70726	(713) 417-4727	N5MT@aol.com
CW.	Lee Zalaznik, KI6OY #50948	334 Olivina Ave., Livermore, CA 94551-6137	(925) 455-0361	lee.zalaznik@sbcglobal.net
Digital.	Mel Sojka, KD5DE #33513	353 Atlantic Ave., Shreveport, LA 71105-2909	(318) 861-7012	kd5de@nwla.com
Mobile	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
OM/XYL.	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	buckml@lobo.net
WAS	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	wb0con@comcast.net
WPX	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	elbble@gmail.com
GB Counties . .	Mike Crawshaw, G4BLH #18446	35 Edward Drive, Clitheroe, Lancashire, England BB7 1EF	No Phone	g4blh@zen.co.uk

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.

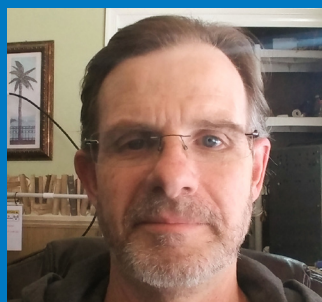
PATRIOTIC..... with station and skill always ready for service to country and community.

Meet The Volunteers

Note: The Annual "Meet the Volunteers" event has been canceled until further notice due to band conditions.

AE6Q, Mary	Committee Member	N2WIE, Tony.....	Awards – 1000+ Bars
AJ7B, Randy.....	Newsletter Editor	N5MT, Mike.....	Awards – DX
G4BLH, Mike	Awards – GB	N6ELK, Louise.....	Net Control
K0DBK, Brad	Awards – Counties	N6OPR, Bob.....	Director/Net Manager
K1IEB	Net Control	N7YG, Jeff	IT Manager
KD2NOM, Mark	SK Manager	N9AC, Gerald	W6OI Trustee
K4QHH, Bob.....	Award Manager-Mobile & VP	NP2MR, David.....	Committee Member
K5BKT, Peggy	Committee Member	NS6X, John	Committee Member
K6DNR, Bob	Net Control	NZ1I, Kevin.....	Awards WAC
K6RDK, David	Data/ Membership Manager	VA7GY, Garry	Committee Member
K7CWS, Ray	Net Control	VE3MEW, Bill	Committee Member
KA0ZPP, Jim	Director/Chapter Coordinator	W5DJT, David.....	Committee Member
KA5VVD, Bob	Committee Member	W5SUM, Ronnie.....	Historian
KC5ILO, Tom	Director/ Publications	WA2SUH, Larry	Scholarship Manager
KD5DE, Mel.....	President	WA3GM, Greg	Vice President
KF4WKY, Mike.....	Net Control	WA6POZ, Gerry	Software Support
KG5RJ, Greg	Committee Member	WB0CON, Eva	Awards – WAS
KI6OY, Lee	Awards – CW	WB6OJB, Arnold.....	Net Control
KJ5SZ, Hugo	General Counsel	WB9WZI, Alan	Net Control
KM5EH, Marcus	Director/Awards Manager	WI9X, Jim	QSL Bureau Manager
KM5FF, Eddie	Awards – WPX	WN4AMO, Paul	Director/Publicity
KQ4PK, Robert.....	Net Control		
KR7RK, Keith	Treasurer		
KZ3T, Dan.....	Director/QSO Party Manager		
N0TW, Terry	Past President		

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



Silent Keys

Mark Steele, KD2NOM
(#77596)

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

10-10#	Call	Name - City, State
04461	VA6MM	Malcolm McLeod - Cochrane, AB
05169	K4CYC	Gary L. Allen - Tampa, FL
05181	N4PS	Samuel H. Reck - Lakeland, FL
06002	W8WPC	Ralph E. Brown - Greenville, OH
07363	WA8MJY	Ronald H. Gruninger - Lexington, MI
07531	K1AMS	Michael Schindler - Niantic, CT
07604	W8REW	Ross E. Weston II - Reynoldsburg, OH
08285	N5FJ	John R. Mussey - Shreveport, LA
10107	HP1AC	Cam Castillo - Panama,
10209	WA1DVU	Rodney W. Gray - Belchertown, MA
10279	W5AU	Troy W. Ballard - Doyline, LA
11348	WB8RQV	Kenneth R. Ludovici - Mason, OH
12166	K3NXH	Charles F. Gress, Jr. - Pompano Beach, FL
12435	W2YE	Richard W. Maylott - Leesburg, VA
12862	KE9D	Roger W. Moore - Tipler, WI
13891	K6DT	Edward H. Shuler - Bakersfield, CA
14555	W8LTX	Thomas E. Knott - Spring Hill, FL
14712	AD4F	Charles E. Curle - Ooltewah, TN
15110	W5TYD	Henry L. Allen - Caddo Mills, TX
15232	K0JN	Joseph F. Nemecek - Kansas City, MO
15589	WB5QMT	Robert M. Zone - Santa Fe, NM
17466	VE1OP	Scott B. Nichols - North Sydney, NS
18284	KU5K	Cecil C. Phelps - Bayfield, CO
18712	N4ANV	Gene Tyree - Fayetteville, NC
18904	WD8JOF	David L. Ludwig - Swartz Creek, MI
19212	K4JHD	Joseph H. Davidson - Ashville, AL
20474	K5WZ	James E. Ward - Bossier City, LA
20752	W8URK	Charles A. Elliott, Sr. - Fairfield, OH
22084	WA4SYZ	Brady O. Smith - St. Petersburg, FL
23110	W3RMM	Robert M. McClanahan - Lewes, DE
24863	WA4NSD	Ernest E. Hedrick - Lexington, NC
25370	WB8AJR	William A. Prince - Akron, OH
25889	WA9ZYO	Robert R. McCarty - Racine, WI
26318	WD4HVD	James C. Colemam, Jr. - Mechanicsville, VA
26584	KD8YR	Harold C. Olson - Troy, OH
29464	WB5VAI	Forrest H. Smith, Jr. - San Antonio, TX

10-10#	Call	Name - City, State
31174	NE9Z	William G. Rinker - Moran, WY
34181	W0AJY	Frank Goddard - Arvada, CO
34600	N5CBE	Thelma R. Catalani - Sugarland, TX
35194	KC9WQ	Walter Rueger - Ripon, WI
35873	N5GK	Glenn A. King - Conway, AR
37708	N4JII	Glenn G. Johnson - Dickson, TN
38485	VE3JDQ	James R. Berry - Nepeon, ON
39516	W3YRT	Carl L. Baer, Sr. - Ruscombmanor TWP, PA
39553	K3TX	David L. Heller - Morrisville, PA
40074	NS5Z	John C. Shidler - Bossier City, LA
40381	KA8PGV	Robert R. Retherford - Wooster, OH
40423	KB1XI	Donald A. MacCord - Derry, NH
40498	N1ATO	James A. Larner - Bangor, ME
41499	WT5C	James I. Edlin - Lubbock, TX
43449	WX0W	Glen P. Janos - Greefield, MN
44275	KA4PCN	Dewey E. Murphy - Odum, GA
45573	KA9FRM	Charles Wilson - Robbins, IL
46288	N7ERN	Lloyd F. Brady - Price, UT
46715	WA9RIJ	Joseph Gutwein - Crystal Lake, IL
48223	KB9AMU	Kevin R. Carter - Shelbyville, IN
50182	N6RBR	Lonnie Bland - Redondo Beach, CA
51971	KA9VQF	Thomas C. Sorensen - Savanna, IL
54521	K2CDJ	Stephen J. Hanzlik - Whitney Point, NY
56203	AA3VK	Walter E. Minschwaner, Jr. - Wellsboro, PA
56911	K4OVV	Laurie P. Sansbury, Sr. - Hartsville, SC
57419	KC4TBS	Pat Tyree - Fayetteville, NC
58038	W7LTN	Frank A. Hasman - Meridian, ID
58508	K3KFD	Stephen Flink - Penn Valley, PA
59028	K6PTL	Peter T. Lyman - Pasadena, CA
60825	N4BMR	William F. Wiggins - Signal Mountain, TN
61492	KP4PQ	Victor Madera - Guaynabo, PR
63407	VE3DHH	Douglass M. Haddow - Coburg, ON
64196	KQ6KD	Irene M. Vrabel - Carson City, NV
64206	N2NZM	Ralph G. Sabee - Salisbury, NC
64437	KD4YSN	Dennis L. Richardson - Richmond, VA
67433	N9TA	John F. Bennett - Crawfordsville, IN
68991	K4HBI	Michael J. Swiderski - Norcross, GA
69732	KD5CKP	Timothy E. Billingsley - Olive Branch, MS
70191	KF4WKY	Michael D. Stanley - Shelby, NC
71405	WU6I	Edward D. Slaughter - Highland, CA
71925	W8GNI	Donnie L. Tippet - Gainesboro, TN
72635	W3YW	George H. Petrides - Bethesda, MD
73546	W6VNQ	Harry D. Towle - Arbuckle, CA
73787	N4PWP	Kenneth L. Head - Elizabethton, TN
73969	AH7G	Richard S. Darling, Sr. - Keauau, HI
74477	WA4LTY	George L. Brewer - Eden, NC
75360	KT1Q	Michael A. Powloka - White Creek, NY

10-10#	Call	Name - City, State
76168	DH2BAD	Herbert Luehmann - Klein Meckelsen, GER
76209	WB9WZI	Alan Oliver - Woodstock, IL
76410	W0PKZ	Harris B. Freeman - Moab, UT
76832	K4WYS	Walton R. Hood - Chesapeake, VA
76946	VE7CNW	Tony Hill - Courtenay, BC
77156	WB3DYE	Robert B. Reynolds - Wilkes-Barre, PA

Thanks to all who help me keep the sk column as up to date as possible.

Mark 73, KD2NOM #77596

Ten-Ten International and the Digital Age (Cont.)

Editor's Note: This is a continuation of the article that appeared in the Summer 2020 issue of this newsletter.

Jeff Steinkamp, N7YG, 65084 – IT Manager

How do I change my Email Address?

Eventually we have to change an email address for one reason or another. Some are changing email addresses more often than their underwear! If you can log in at the website, then there are two place you will need to do this, the registration at the website and the membership information the Data Manger has.

Click on the contact info tab and you can change any of the information that is presented.

This is the primary method of changing your password and your email address for the website.

Those items that are selected and Use Default should be left as Default unless you know exactly what you are doing.

If your time zone is not correct, you can select the correct zone from the drop-down list.

The ten-Ten number is grey'd out and can not be changed on this screen. If this is incorrect, contact the webmaster and we'll get it fixed.

When you get that new vanity callsign, this is where you need to change it for the registration at the web site.

To update the Data Manger with any informational changes, Click on the Members Menu, then Member Update Form.

Make any changes necessary on this form and click the submit button. And automatic email will be created and sent directly to the Data Manager with

Edit Your Details

Contact Info
Portrait

Name

Jeff K Steinkamp

★

Email

n7yg@n7yg.com

★

Username

Jeff.Steinkamp

★

Current Password

Password

Verify Password

Editor

- Use Default -

Time Zone

Phoenix

Frontend Language

- Use Default -

Backend Template

- Use Default -

Backend Language

- Use Default -

Ten-Ten Number

65084

Ham Radio Call Sign

N7YG

★

Update

Cancel

Powered by Community Builder

those updates. Your email address is the primary contact information we have for each member. This is how the organization contacts you for Ten-Ten business. If you are a paid up member, then this is how you will receive notification that news letters are available. You will also receive a reminder

about dues expiration approximately three months prior to your current expiration. If you have questions or concerns you can always email the Data Manager at membership@ten-ten.org.

Member Data Update

Please verify the information we have on file for your 10-10 number. If anything is incorrect, please update the information in the spaces provided. Click the submit button when you are complete. Callsign and Name are required. If you are a Club Station Trustee and need to update your club information, please contact the Data Manager directly at membership@ten-ten.org

TenTen	65084	Membership Expiration Date: 9999-12-31
Callsign	N7YG	
Name	Jeff K Steinkamp	
Address1		
Address2	6765 E Rosewood Circle	
City	Tucson	
State	AZ	
Zipcode	85710	
Country		
Email	n7yg@n7yg.com	
Old Call 1	KD5YG	
Old Call 2		
Old Call 3		
Old Call 4		
Comments		

Leave blank for USA

Submit

How do I access the News?

There are two ways to get to the News page. In the Breaking News box, click the link that reads Ten-Ten News. Otherwise, under the Resources Menu, Click on News. This page should default to the overview mode where Newsletter Categories are listed by year in Descending order – the latest year at the top of the stack. If you are logged into the website and are current on dues, you will see the current year, 2020 in this case. Otherwise, you will only see the previous years.

Click on a year of interest. The available files for download will be listed. You can sort this list by clicking on Name or Date in the upper right corner of the list. Depending on how you have your browser setup for magnification, you may have to scroll the vertical scroll bar in the browser up and down to find the file of

your choice.

Newsletter files are stored in the Portable Document File format so you will need a third party application such as Adobe Reader to view the file.

2020 Ten-Ten QSO Party Schedule

Event	Dates	Postmark
Winter Phone	Feb. 1-2	Feb. 11
Spring Digital	April 25-26	May 4
Spring CW	May 2-3	May 11
Open Season	June 6-7	June 15
Spirit of 76	June 29 - July 5	July 13
Summer Phone	Aug. 1-2	Aug. 10
Sprint	Oct. 10	Oct 19
Fall CW	Oct. 17-18	Oct. 26
Fall Digital	Nov. 14-15	Nov. 23
Anniversary (58)	Jan. 1-Dec. 31	Jan. 8
Meet The Volunteers	Jan. 1-Dec. 31	Jan. 8

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 on 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, or Money Order. 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 three \$2,000 10-10 Scholarships that will be awarded next year. For donations of \$25 or more you are eligible to receive a current year's lapel pin as a thank you gift. To pay by credit card, see the payment information on page 31. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

Spirit of 76 - 7 day, 6 mode event centering around 4 July each year - 0001 UTC Monday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC through 2359 UTC.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

5.2.3 FREQUENCY AND MODES

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

5.2.4 ENTRY CLASSIFICATION

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

QRP: 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. CW/Digital operations max 5 watts and Phone operations max 10 watts during the entire event.

LOW POWER: Same as QRP listed above except that output power for CW/Phone/Digital/RTTY operations is max 150 watts during the entire event.

HIGH POWER: Same as QRP listed above except that output power for CW/Phone/Digital/RTTY operations is greater than 150 watts during the 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. No matter your physical location, your QTH is the location of the transmitting antenna.

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.

TEN-TEN QSO PARTY RULES

5.2.8 CHAPTER SCORE ASSIGNMENT

Any entrant who is a chapter member may assign his/her score to that chapter. QSO Party chapter scores for the Sprint and Open Season may not be assigned.

5.2.9 QSO PARTY ENTRIES

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR Mail to insure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a check log. Any logs received more than 8 days after the entry deadline, regardless of postmark, will be discarded. LOGS MAY BE SENT VIA Email to tencontest@ten-ten.org. Q95 files are not a proper format nor are they readable, therefore, they will not be accepted.

5.2.9.1 ENTRY DESCRIPTION

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

5.2.9.2 ENTRY DEADLINES

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

5.2.10 QSO PARTY RESULTS AND AWARDS

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

5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

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

In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is permitted, regardless of mode of contact. In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.). All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call, Name, QTH and Mode, in that order. These events are for Individual entries as described in section 5.2.4 and certificates will be awarded for the TOP Ten, however all entrants will be listed in the 10-10 NEWS.

Logs MUST be postmarked no later than January 8th of the year following both the Anniversary and Meet the Volunteers events. Only members in good standing (with dues paid) are allowed to submit logs.

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

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

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

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

5.2.13 10-10 SPRINT (October 10) QSO PARTY

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

5.2.14 W6OI SPECIAL EVENT

This event has been cancelled until propagation conditions improve.

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

5.2.15 FOR MORE INFORMATION

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

10-10 QSO PARTY COVER SHEET

QSO Party (select one):

- | | | | |
|---------------------------------------|------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> WINTER PHONE | <input type="checkbox"/> SPRING CW | <input type="checkbox"/> SPRING DIGITAL | <input type="checkbox"/> 10-10 SPRINT |
| <input type="checkbox"/> SUMMER PHONE | <input type="checkbox"/> FALL CW | <input type="checkbox"/> FALL DIGITAL | <input type="checkbox"/> SPIRIT OF 76 |

Contest Exchange:

Callsign: _____ Name: _____ 10-10#: _____ QTH*: _____
** if operating FROM mobile, enter number of counties operated from in QTH field - counties must show in log*

Entry Information:

Name: _____

Mailing address: _____

City: _____ Zip: _____

State/Province/County: _____

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

Call Area (W0-W9) or ARRL DX Country you operated from: _____

Chapter Assignment, if any (not valid in Sprint): _____

Entry Type (check one only):

- | | | | |
|--|-------------------------------------|------------------------------|---------------------------------|
| <input type="checkbox"/> LOW POWER | <input type="checkbox"/> HIGH POWER | <input type="checkbox"/> QRP | <input type="checkbox"/> MOBILE |
| <input type="checkbox"/> CLUB (if Club station, please list all operators below this line) | | | |

Claimed Score:

Contacts WITH 10-10 number: _____ X2 = _____

Contact WITHOUT 10-10 number: _____ X1 = _____

Total Contacts: _____ Total Pts: _____

Submitting Logs:

MAILED ENTRIES: All submissions must contain this cover sheet (or reasonable facsimile), the log in UTC Date/Time order, and a dupe sheet in callsign order or in grid format (if more than 50 contacts).

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

EMAILED ENTRIES: All submissions can be in most formats and must additionally include all information from this cover sheet either in separate summary or as summary at head of log. Many contest programs do this for you. Dupe sheets are **NOT** required with an e-mail entry. **Q95** formats **ARE NOT** acceptable.

EMAIL to: tentencontest@ten-ten.org.

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