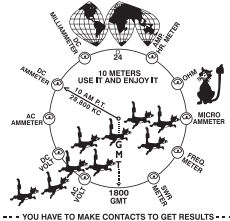


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**

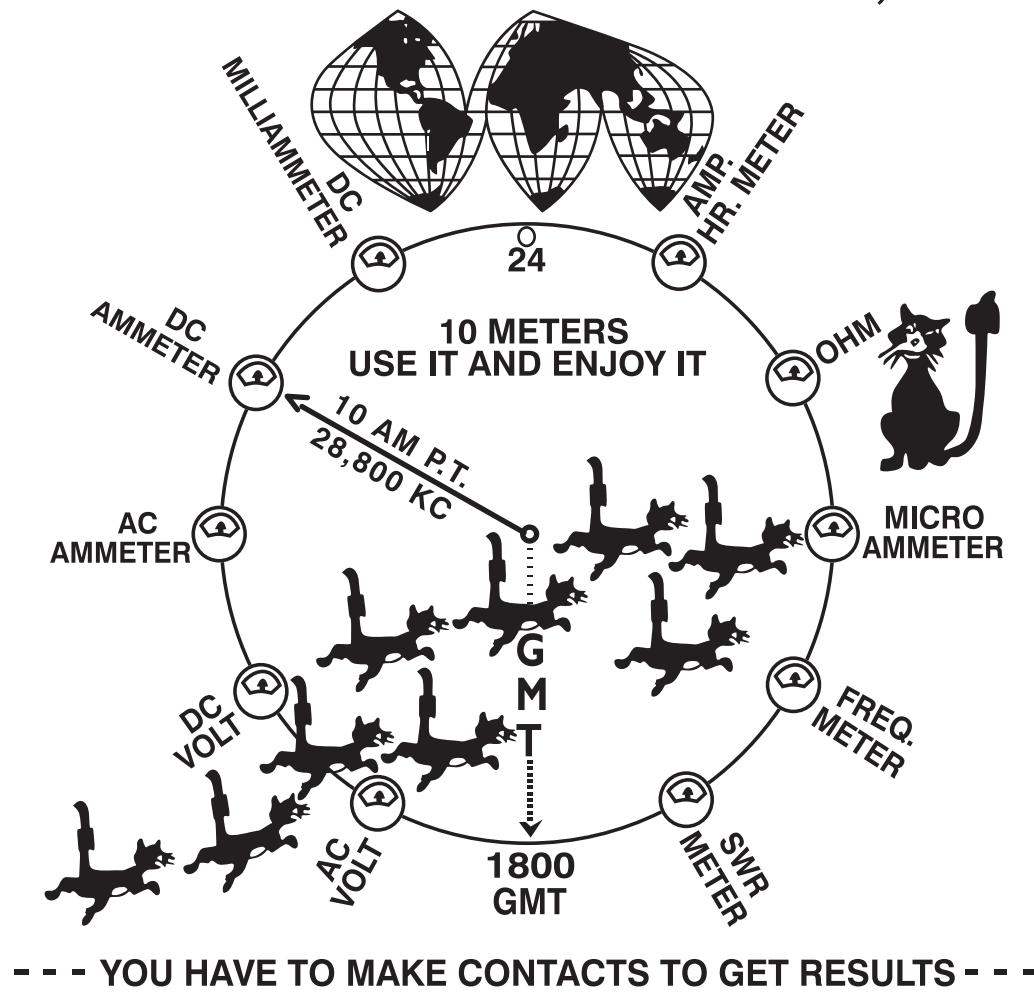


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The Ten-Ten International News

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News items should be sent to the Editor. Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted must be typed, 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 2021

PLEASE MAIL ALL ARTICLES AND PHOTOS TO:

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E-mail: editor@ten-ten.org

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

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

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

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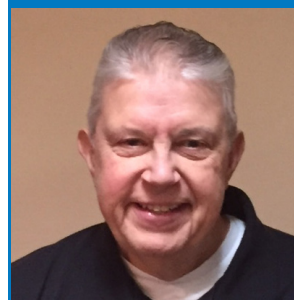
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From the Editor

Randy Mather, AJ7B
 (#7675)

In this issue you would normally find the pictures and biographies of the 10-10 scholarship winners. Unfortunately, due to several reasons, not the least of which COVID, we were not able to get the information from the Foundation for Amateur Radio (FAR). FAR administers the scholarship program for us. We hope to have that list ready to publish in the next issue of this newsletter. Stay tuned.

Larry Berger has written an article on the history of the 10-10 scholarship program and I have put it into this issue. It's a very interesting read. What surprised me was how far back the program goes.

Our first Weak Signal QSO Party took place a little while back and I did my best to make FT8 contacts. When you look at the results in the QSO party section of this newsletter, you will see I didn't do very well. I spent a lot of time watching the waterfall go by with hardly any signals showing up. The Band Activity text window stayed blank and the Rx Frequency text box just kept putting me transmit CQ text line in every 30 seconds. It was disappointing. Being up in the northwest corner of our country makes 10-meter contacts a bit of a challenge any time of year. But it is even more challenging during the low portion of a sunspot cycle. Hey, we'll keep trying though. There is still the Fall CW QSO party in October and the Fall Digital QSO party in November. Don't forget about the Sprint on October 10.

I had a couple of emails from people who viewed the FT8 Video I made back in 2017. They were pointing out that the information in the video is no longer valid! Well, I personally wasn't using the newest version, so I was operating just fine. Turns out the WSJT-X software team changed the user interface. To help those of you who want to use FT8 or FT4 for 10-10 contacts, I invite you to read the article in this issue titled "FT8 Mode Update." As you will see, it is still possible to send 10-10 contact information using the FT8 or FT4 modes.

I also want to draw your attention to Dan Morris' QSO Parties column. There have been a couple of changes to the QSO Party rules that you should note. Dan's article explains these changes and the rules in the back of this issue have been updated.

I hope to catch you on 10 meters this fall. Please stay safe and keep 10 meters active.

Randy AJ7B #7675



From the President

Mel Sojka KD5DE
#33513

UPPER-LEVEL QRM

If one could only see a few weeks into the future, what would we change? This past quarter has been filled with some very surprising band openings on 10 meters, but at the same time with sadness, due to the loss of some of our very active members. I shamefully admit that far too long after his passing, I learned that K4QHH Bob #26040 was an SK. He was extremely active and was serving as not only the award manager of three of our awards, but also as a chapter head/certificate manager of a very popular chapter. KM4EH Marcus #71103 the director in charge of awards is in the process of trying to recover the records for the VP Award, VP WAS Award, and the Mobile Award. The director in charge of chapters, KA0ZPP Jim #43428, is trying to recover the records for the Gold City Chapter. Because of the problems that occur when we lose an award or chapter official, our IT manager Jeff #65084 has set up FTP access for chapters and awards to keep backups available. The success of this endeavor is yet to be determined. As I compose this article only yesterday, I was notified that WI9X Jim #49635 also was a SK and he was the manager of our QSL bureau. Makes one wonder what will happen next.

Once again, this brings to mind the need for volunteers. With many eligible members qualified to serve, it is hard to imagine one individual filling several positions. If you have the desire to serve, either as an award manager or committee member, please contact me.

Now on a personal note. After a bike ride on April 26, I began to have some issues. Apparently, I pinched a nerve in my neck which led to a long series of health problems. I began to experience severe pain in both shoulders and then it seemed to migrate to my hands. My primary care physician felt that it may be arthritis and sent me to PT for a month. The problem escalated and I was placed in the hospital the first week in July. On the 3rd of July they did surgery on my neck to repair nerve damage. As a result, I am partially paralyzed in both hands and it may take up to 2 years for recovery. There are other issues that have come into play, but that is not the purpose of this article.

This means that I can no longer drive long distances to attend hamfests to represent and promote 10-10. The Vice President, W5SUM #2019, was scheduled to man the booth at the Huntsville hamfest, but his wife developed

a heart condition the very week before the event. With much regret, this means that 10-10 did not have a booth at the event. A very sad state of affairs. There is a brighter side because our Treasurer, KR7RK Keith #62234, a well-recognized forum speaker for the SOTA group was invited to give a 10-10 forum at the Huntsville event. This may have been the first time we were invited to do this. Keith was able to make it and from all reports the forum was well attended. In the process, he was able to do a renewal for a member in attendance.

All news is not bad news. On the second weekend in August, the Shreveport hamfest was held. With the help of the very kind locals, we manned a table. We processed 11 renewals and one new member. \$55 was donated to the Scholarship Foundation as well. Not bad for a 6-hour event.

One of the tasks that the President has to accomplish from time to time is to replace an officer, director, or net official. KC5ILO Tom #72239 submitted his resignation several months ago. This was due to a critical illness and long-term treatments. Tom served as the chair of the Publications Committee for nearly 44 months. This committee reviews the quarterly news, all official publications, and web content. They check for critical errors such as incorrect names, calls, and 1010 numbers. They sometimes review individual reports in the news for errors. If an error is found, they would contact the person responsible for the report and ask them for a revision. This committee worked for several months on the complete revision of the Operation Manual. A daunting task indeed.

I had to look at the overall responsibilities of the director's position. Not just the chairing of a committee. As I reviewed the past 4 years of activity, one of our members stood out. Several chapters in the United States have become very active. This activity has been responsible for maintaining the organization during the bottom of the cycle. It seems recently the El Paso group, Pelican Chapter and the Possum Trot have generated a large amount of activity. I must of course mention the Steamboat chapter. But that is our local group. KM4ODS apparently has been the source of motivation in the Possum Trot, a long-time active chapter. After BOD approval, I appointed George Davenport, KM4ODS #77504, to assume the chair of the publication committee. He retired after 28 years in the US Army and worked with private government security companies until full retirement. He is a life member of 10-10 and I look forward to working with him.

It was good to have nearly 100 logs submitted for the Summer Phone QSO party. Surprisingly, there were no sunspots during the event. I was hearing beacons and every time I got on, I was able to make a few contacts. Glad to see cycle 25 come to life. There were 10 members locally submitting logs, which I believe was a record. As the cycle progresses, the number of logs submitted will probably double, if not triple for these events. This most likely being my last cycle may well be the best. As we near 78,000 numbers issued, I do look forward to working many of our newest members on ten meters.

God Bless & 73
Mel KD5DE #33513

BLAST FROM THE PAST

Larry Berger sent in a couple of pictures and information about an event from the past.

Jack Moore, K5CC hosted the Hill Country Picnic for many years at his home in Bulverde, Texas. In 2008 the 10-10 Board had its Annual Meeting in San Antonio and we all went to Jack's house for the final Hill Country Picnic. Board members are pictured in Jack's living room.



Left to right

| | | | |
|--------|------------------|-------|----------------|
| K5CC | Jack Moore | 50708 | Director |
| K0DBK | Brad Kimble | 55192 | Director |
| WA4EEZ | Leslie Johnson | 15675 | Director |
| VE9KM | Rob Ireland | 69811 | Director |
| WA2SUH | Larry Berger | 407 | Vice-President |
| WA6POZ | Gerry Gross | 21274 | President |
| KR7RK | Keith Schlottman | 63324 | Treasurer |
| W6YRJ | Chuck Imsande | 19636 | Past President |
| K1IEQ | Ken Harmon | 31363 | Director |
| N6OPR | Bob Farrow | 45715 | Director |
| K5FBS | Cliff Taylor | 48461 | Director |



The second photo shows the rest of the gang who attended that picnic.

Larry WA2SUH #407

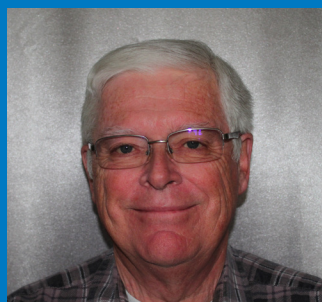
ARTICLES

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.

NEW LIFE MEMBERS

| | | | |
|-------|--------|------------------|----|
| 05569 | K7RA | Paul P Cook III | WA |
| 08461 | WA4JNP | Noel Beasley | AL |
| 46592 | KA5CSI | John J Wehrer Sr | AL |
| 61272 | AI7IP | Trevor H Kasden | NV |
| 74968 | WM7Y | Eric N Rich | NV |
| 74999 | KF4UBK | Donald H Collins | GA |





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 of next year, please let me know before November 30th so I can include the details in the January 2022 newsletter.

3) Reminder of Quarterly Reports Due: **In Extremis** (no report in over a year): Colorado Centennial/Frontier Gang (11/2019), Cradle of the Confederacy (06/2019), Down Under (12/2019), Route 66 (11/2019). **If anyone has information about Colorado Centennial or Route 66**, please contact me. See later note about Cradle of Confederacy. Past Due (no report received during the prior quarters when due): none. Reports received after August 26 (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**: Bauxite (Sept), Up the Crick (Dec). Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2020 in which the last report was received.

4) I thank **ALL CH/CM** who sent me a **complete report** during 2020 so I have up to date contact and net information. Other chapters, please send me a complete report in 2021. 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. If you do not have internet access, let me know and I will send you a blank form that you can copy and submit.

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) Several chapters report having to resort to Zoom in lieu of face-to-face chapter meetings. Hopefully, Covid restrictions are starting to ease later this year, and regular meetings may begin to resume.

2) **Gold City** is declared **QRT**, no one having come forward to serve as CH.

3) We sadly report that **Cradle of the Confederacy** CH Greg, K4GR, has become a silent Key. Meanwhile, Lew, K1AZE, and Ed, W4EDD are continuing to call the weekly nets. Thank you! However, Cradle of the Confederacy probably will become QRT unless someone steps up to retrieve records, etc., and become CH. This continues to point out a continuing problem of losing chapters when the CH and/or CM become unable to continue. **All chapters are asked to plan for succession of leadership.** To aid in such planning, IT Manager, Jeff, N7YG, is setting up FTP accounts on the 10-10 server where chapters can save their data. **All CH:** watch for future communication from Jeff with the details.

4) Aloha Chapter reports they have several local radio operators looking for the last few 10-10 numbers in order to qualify for their own. Since propagation seems to be improving, point your antennas west and help them out!

5) **Oregon Trail** has suspended point collection, due to lack of interest in points, except for the "Lone Rider" mobile program and "Specials" as announced by the CH. Save your existing points records, though, in case they are reinstated if/when propagation improves.

6) Chapters below accept email upgrades as of February 28. 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

Down Under – CM ZL1AFU, zl1afu@nzart.org.nz

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

Hanse – CM DL5HAN, dl5han@t-online.de

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Louisiana Pelican – CM N5MT, n5mt@aol.com

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

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

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

Oregon Trail – CH/CM K7QXG, k7qyg2@gmail.com

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, 2021

| DAY | ZSUM | ZWIN | Chapter Name | Location | Freq | DAY | ZSUM | ZWIN | Chapter Name | Location | Freq |
|-----|------|------|-------------------------------------|-----------------|----------|-----|------|------|---|------------------|-------|
| SUN | 0001 | 0100 | Chesapeake Bay | Chestertown, MD | 28345 | WED | 0001 | 0100 | Castle Craig | Meriden, CT | 28375 |
| SUN | 1300 | 1400 | Arlington | Arlington, VA | 29200 | WED | 0100 | 0200 | Cincinnati Area Ten Tuners | Milan, IN | 28430 |
| SUN | 1630 | 1730 | Possum Trot | Raeford, NC | 28345 | WED | 0100 | 0200 | Houston SHOT | Houston, TX | 28488 |
| SUN | 1700 | 1700 | Major League Baseball | Gilbert, AZ | 28380 | WED | 0200 | 0300 | 10 Bar X | El Paso, TX | 28445 |
| SUN | 1900 | 2000 | Oregon Trail | Dallas, OR | 28330 | WED | 1400 | 1500 | EU DX/Branding Iron/Hanse | Bergamen, DL | 28355 |
| SUN | 1930 | 1930 | North Georgia | Atlanta, GA | 28410 | WED | 1930 | 1930 | Route-66 | Boonville, IN | 28370 |
| MON | 0100 | 0100 | Arizona Desert 10-10 Net | Phoenix, AZ | 28445 | THU | 0001 | 0100 | Cradle of the Confederacy | Pike Road, AL | 28350 |
| MON | 0100 | 0200 | Milwaukee | Milwaukee, WI | 28365 | THU | 0100 | 0200 | Gateway | St. Louis, MO | 28650 |
| MON | 0100 | 0100 | Lonestar | Arlington, TX | 28460 | THU | 0100 | 0100 | Cow Town | Arlington, TX | 28460 |
| MON | 0130 | 0230 | Bauxite | Benton, AR | 28470 | THU | 0100 | 0200 | Milwaukee | Milwaukee, WI | 28365 |
| MON | 1730 | 1730 | Chief Seattle | Seattle, WA | 28430 | THU | 0230 | 0230 | Windfarms | Livermore, CA | 28485 |
| TUE | 0000 | 0000 | Possum Trot | Raeford, NC | 28150 CW | THU | 0230 | 0330 | Up The Crick | Eugene, OR | 28450 |
| TUE | 0001 | 0100 | Ft McHenry/Cornerstone/Yodar Kritch | Arbutus, MD | 28370 | THU | 1930 | 1930 | Speedway | Rainer, OR | 28350 |
| TUE | 0100 | 0200 | CO Centennial/CO Frontier Gang | Lakewood, CO | 28340 | FRI | 0001 | 0100 | Fort McHenry/Cornerstone/Yodar Kritch | Arbutus, MD | 28370 |
| TUE | 0100 | 0200 | City of Lights | St Charles, IL | 28150 CW | FRI | 0001 | 1000 | Steamboat Plus | Shreveport, LA | 28430 |
| TUE | 0130 | 0230 | City of Lights | St Charles, IL | 28720 | FRI | 0300 | 0400 | Chief Seattle | Seattle, WA | 28430 |
| TUE | 0130 | 0230 | Bauxite | Benton, AR | 28470 | FRI | 2230 | 2130 | Down Under (Summer in NZ is winter in US) | Auckland, ZL | 28530 |
| TUE | 0300 | 0400 | Bay Area | Hayward, CA | 28475 | SAT | 1510 | 1610 | Louisiana Pelican | Baton Rouge, LA | 28450 |
| TUE | 0430 | 0430 | Aloha | Hilo, HI | 28490 | SAT | 1730 | 1730 | Tango | Buenos Aires, LU | 28650 |
| TUE | 1500 | 1600 | New Mexico Mud Ducks | Albuquerque, NM | 28835 | SAT | 2200 | 2200 | Alii | Lihue, HI | 28730 |
| WED | 0000 | 0000 | Possum Trot | Raeford, NC | 28345 | | | | | | |



DX News

Mike Davidson, N5MT
(#24949)

Welcome to the Fall season of the 10-10 DX News for this September 1st date. The 10-10 organization was founded in 1962 so this is our 59th Anniversary year. The ARRL DXCC program only had 301 DX countries recognized by the world during that year and now there are 340 countries possible.

There was no 10-10 Countries Award program in the early 60's when members collected bar numbers and certificates from chapters. But in the early 70's the Countries Award was created and it follows closely with the ARRL DXCC with a few rule differences. That's the history lesson for starters, now for good news about propagation and the bad news for us in Louisiana caused by hurricane Ida.

I am writing this section of my article just 24 hours before hurricane Ida will make landfall in Louisiana very close to my hometown and just north of where hurricane Zeta made landfall last year. Ida is expected to be larger, windier and wetter than Zeta. Zeta's quiet eye moved over downtown New Orleans and the weather channel flew a drone with a TV camera over Canal street in the eye of the storm, a first!

Well, I have to finish my comments and get this article emailed to Randy our editor. I will be staying home for the hurricane. Several antennas have been taken down due to the expected high Cat 2 winds predicted for the Baton Rouge area. The area is expected to lose electric power due to high winds for possibly one to two weeks from Ida and we could lose the AC and refrigerator for food storage. One more history item, tomorrow is Sunday August 29th which is the 16th anniversary of hurricane Katrina that flooded New Orleans in 2005! OK now for the good propagation news.

We are beginning to see a slight increase in the number of sunspots appearing on the Sun. This is increasing the amount of solar flux that is available and the new flux has helped cycle 25 to give us better skip conditions on Ten. The east coast of the USA and South America have been talking with stations in Europe. I and others used this skip with our digital FT8 mode to open a path to the east on Ten and talk into Europe this summer.

A minor DXCC country name change happened quietly on May 1, 2018 for the country of Swaziland 3DA prefix in Africa. The official name is now the Kingdom of Eswatini using the 3DA0 prefix. The name change by the ARRL DXCC has been official since the Summer of 2018 and all previous credits for Swaziland are now good for Eswatini.

I hope all who are reading this can feel safer from the Covid virus by having been vaccinated. With the new Delta-Covid variant causing all hospitals to fill-up this Summer, we still have the virus spreading. The virus is not going to be gone until 75-85 percent of All people get vaccination protection. The Delta variant is twice as contagious as the original virus, so be smart and get protected if you want to get back to normal and more operators can go places to give you a new DX country. Please listen to the medical science instead of the fake stuff in order to get past this virus.

The Fall DX radio season will be affected by how much propagation energy is put out by the Sun which energizes different layers around the Earth to cause your radio signal to bounce and skip across the oceans. The Sun is providing more energy to allow radio signals to skip and giving us more openings on Ten than this time last year. The 15-17-20-meter bands were the best DX bands this summer so you will find DX by looking, when and if Ten is not open.

We had a first time new QSO party event the second weekend of July called the Weak Signal QSO Party which replaced the Spirit of 76 QSO Party. The 10-10 contest committee wanted the FT8 mode available for members. The Weak Signal rules only allowed us to use QRP and Low Power during the party. So, NO High Power was allowed, and the normal 10-10 exchange is still the required standard for all our QSO Parties. The Weak Signal Digi QSO Party was a great start for me as I was on both days and logged 51 QSO on digi to come in first place. I had to avoid several thunderstorms that were dangerous with lightning, so I missed making my goal of 100 Q's that I had set before the contest. But I did work some DX and a few new member numbers. This digi contest may have been my best QSO party with my vertical antenna.

You need to stay on the radio and call CQ to see where you can talk. When propagation is poor on Ten, use FT8 and you might find stations to work when you think the band is closed. Here in Louisiana, the FT8 QSO's were good and a lot of QSO's were put in the log the past months. I saw a lot of traffic from South America to Europe on Ten, but I usually could not see Europe talking back.

I expect to see an increase in DX traveling this winter season as travel restrictions have allowed air travel to increase. But I do not expect a new 10-10 country to show up on Ten for another two years. As a result of the pandemic, weak propagation, and a bunch of DX ops staying home, my 10-10 news reporting is still reduced. Keep using your station to find some DX that may be calling CQ on a band besides Ten.

OK now some hot news from the ARRL DXCC and LoTW. I keep reminding you to submit your QSO logs on a regular basis to the ARRL LoTW database. Once you have your security clearance established, you can upload all your QSO logs into LoTW from your logbook for no charge. The story that I heard was not good for the future for LoTW reliability and growth. The software is having problems and there is no ARRL staff to fix it. If the database gets hacked, it would be the biggest loss in ARRL history for the DXCC program. Presently there is no cost for LoTW data entry, only when you use LoTW data to process a new DXCC award or your first application. So, the problem will be raising funds to pay for rewriting the software! There would need to be a capital raising project supported by the users of DXCC/LoTW that would donate to a new yet unannounced ARRL project to pay the bill.

Remember, this problem is still a rumor but for those of us that are Number One DXCC certificate holders, this is a major database problem just waiting to break!

Remember, for a 10-10 award you cannot use LoTW as there is no way LoTW can collect your 10-10 info! I found a website that list ham call signs that are using the LoTW system. Website is: <http://www.hb9bza.net/lotw-users-list>.

Use our 10-10 website for all award rules and if you are a paid-up dues member, you qualify for all 10-10 awards. So, you must fill out a 10-10 award form available on the website and send it to the 10-10 awards person as listed on the form. At the present time there is no award cost and no QSL cards are required for all our awards.

The 10-10 Countries Award Manager follows most of the ARRL DXCC award rules. But you must have swapped your Callsign, Name, State and 10-10 number over the air on Ten, and record that members information for ALL award application. The honor system does apply for all contacts on 10-10 awards. I keep the 10-10 DX records with my job as the DX Countries Award manager. As of now, there remains 22 countries that have not been worked for 10-10 country credit as published in the March 10-10 News.

Countries Award: There were no Countries Award application submitted this past quarter.

You can download the DX'ers Handbook written by Bryce Anderson K7UA, at website: www.K7UA.com.

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

4U United Nations. The remote ham radio station 4U1UN #55555, in the New York UN building, has been on the air but only from its radio beacon on 28200 MHZ. So, watch DXSummit for QSO reports and hope for a band opening.

5X Uganda. My friend Elvira **IV3FSG** #54292, is still in Uganda, Africa operating with call 5X3R until September 2nd. She is on SSB, CW and digital from 40 to 10 meters.

FP St. Pierre & Miquelon. James **WB2REM** #48365 and Mike **W0VTT** #14404, were using call TO5T from August 8th to 16th on all bands and modes and FT8.

HK0 San Andreas Island. Pedro **HK3JJH** #47437 has changed his call to HK3X and was reported on San Andreas on August 9th but by August 16th, he was back in Columbia.

C6 Bahamas Isl. Steven **WA8Y** #11259 was using call C6AYW from July 14-21st mostly on CW from Bimini.

DP0 Antarctica. Felix **DL5XL** #55519, is in Antarctica at the German Polar Institute station callsign DP0GVN.

EA7 Spain. Geyskens **EA7/ON6ZK** #70109, was back on San Juan de Los Terreros Island from July 15-23rd.

HP Panama. Steve **HP9SAM** #75838, likes to operate on Ten if the band is open on Saturday morning. He tries to check-in to the LA Pelican net on 28450 MHZ at 1510 UTC.

TA Turkey. Rene **DL2JRM** #69623 was back in Turkey for a few days in August on CW as TA2/DL2JRM.

TG Guatemala. Steve **K4IM** #34770, was back in Guatemala City as TG9AWS from early July to August 15th. Modes were CW, SSB and digital on 40-6 meters. LoTW.

UPCOMING DX & NEW 10-10 ACTIVITY:

LX Luxembourg. Andy **LX1DA** #50458, will be using the callsign LX40DA from September 1st to December 31st.

P4 Aruba. John **W2GD** #14109 is going back to operate P40W from October 11-31st. He will be on SSB for the CQ WW DX contest.

J6 St. Lucia. Bill **K9HZ** #2618 will be back in St. Lucia from August 21st to November 8th using call J68HZ on CW, SSB and FT8.

YN Nicaragua. Rob **DM4AO** #23450, will be on the air for CQ WW CW on November 27-28th as YN5AO.

MISCELLANEOUS ITEMS & NOTES:

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

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

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

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

DXCC Most Wanted at: <https://Secure.Clublog.org/mostwanted.php>.

NEW-> History of ARRL DXCC program:

<http://ebarc.org/pdf/dx-entity-history.pdf>.

Propagation: I expect the solar flux to range from 72-98 during the Fall which means the flux is rising for cycle 25. The 2021 Fall Equinox is on September 22nd. Fall starts in the northern hemisphere and the Sun is above the equator giving the US its equal day and night times. In the southern hemisphere, spring starts on this day. Cycle 25, started on November 18, 2019. The Sun was really active in Nov-December 2020 but now has quieted down with a slow rising flux. A solar flux maximum of 125 has been forecast by NOAA for the winter of 2024. Sunspots are counted by looking at the Sun, but the Solar flux is measured by radio at 2.8 GHz.

The 2021 monthly maximum flux was: Jan 79, Feb 79, March 79, April 85, May 81, June 94, July 95, and Aug 90.

The 2021 monthly minimum flux was: Jan 70, Feb 67, March 72, April 71, May 70, June 69, July 73 and Aug 71.

On Sept 1st, the solar flux was 90, the A index was 10 and K index was 2. There were several small sunspot regions on the Sun the past week. An increase of sunspots has helped produced brief increases of solar flux the past months. The USAF solar flux forecast for September 1st to October 15th is from a high of 90 to a low of 73 with most of those days being from 73 to 77!

My Prediction: Over the next three months, the best conditions on Ten could be: Sept 1-4th, Sept 28 - Oct 2nd, Oct 26-30th, Nov 23-27th and December 21-25th. For the USA, expect a 30% chance of DX to Europe or Asia with a 75% chance of DX to South America or to the Pacific. Listen for the CW beacons from 28.175-28.300 to see if Ten Meters is open and use WSJT-X FT8 for all weak/low propagation QSO's.

There were 6 new 10-10 DX members joining from June to August 2021.

June: WH6FYK 77888, WH6FQI 77889, WH6DXF 77895, KH7CN 77896, DO1RWM 77897. July: WH6CYU (YL) 77899. August: none.

Thanks to the Daily DX by Bernie W3UR #25731 and the Ohio/Penn DX Bulletins. This DX News edition is my number 125th of DXing reports. DX Info to: Mike Davidson, 26274 Whispering Pines Ave, Denham Springs LA 70726 USA and 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 2022. The Foundation was created in 2001 and is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. Why not consider a donation as a Chapter or an individual in memory of a fellow ham or loved one. This quarter, Arlene Schwartz, KE6GFI, #72985 donated in the memory of Louise Chapman, N6ELK, #36654. If you have an employer matching program, please let us know. This quarter an employer match was received from Charles Thompson, KE6DRN, #68855. 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. 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 at www.ten-ten.org/misc/ten-ten-scholarships or send your check to me or the Data Manager. Our addresses can be found on Page 29.

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)

| | | |
|--------------|---------------|-------|
| KC0RBV | Jennie Tuttle | 77375 |
| N8YXR..... | Robert Tuttle | 77575 |

Gold (\$500 to \$999)

| | | |
|--------------|------------------|-------|
| *KE6DRN..... | Charles Thompson | 68855 |
|--------------|------------------|-------|

Silver (\$100 to \$499)

| | | |
|-------------|-----------------|-------|
| KE6GFI..... | Arlene Schwartz | 72985 |
|-------------|-----------------|-------|

Bronze (Up to \$99)

| | | |
|------------|---------------|-------|
| N3UBZ..... | Arnold Smrcka | 66559 |
|------------|---------------|-------|

*Employer match

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 34 years, 10-10 has funded 130 scholarships valued at \$171,000.

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

History of the 10-10 Scholarship Program

I have been managing the 10-10 Scholarship program for the past 20 years and I thought it would be a good time to document the history of the program. I took it over from Morrie Goldman, W6EHM, #4189 who helped initiate the program.

From the Winter 1988 10-10 International News

"At the Ten-Ten Business Meeting, November 8, 1987 Morrie Goldman W6EHM, #4189 reported that the State of California approved our non-profit tax-exempt corporation change. Morrie also reviewed the "Scholarship Program" and it was approved unanimously to send \$1500 to the Foundation for Amateur Radio [FAR] to fund two \$750 scholarships. First award will be in August 1988. A motion was passed setting up a separate account for the scholarships, to be funded by \$3000, from which the \$1500 will be sent to the Foundation."

President Howard Bowman W6QIR #4509 in his President's Report stated:

"Many months ago, the Planning Committee started work on a number of facets of 10-10. One was a change in 10-10's corporate status, so that 10-10 could become a non-profit educational, scientific and cultural organization. To assist in this, 10-10 proposed that we award scholarships. That change in status has now been accomplished and the scholarship funds are in place for the first such awards."

From the Winter 2002 10-10 International News

President Chuck Imsande, W6YLJ, #19636 wrote: "One of the major achievements was early in the year [2001] when we received approval from the State of California for our new non-profit Public Benefit Corporation, the 10-10 International Net Scholarship Foundation. Following receipt of the acceptance of the new corporation, and through the excellent work of our Treasurer, Keith Schlottman, KR7RK, #63324, we received the approval of the IRS accepting the Foundation as a 501 (c) (3) Corporation, allowing all donations to the Foundation to qualify as tax exempt. This accomplishment concludes well over a year's effort to obtain the corporate approval and tax-exempt status for Scholarship Fund donations." [He also reported that the profits from the 2001 Worcester, MA 10-10 Convention were donated to the Foundation]

Starting in 1988, the number of scholarships awarded was based on the level of donations by the members and the balance in the scholarship account. The goal has always been to fund the scholarships entirely through member donations, with 10-10 guaranteeing the payments to FAR. The following table shows the number of scholarships and the amount awarded each year.

| Years | # of Scholarships | \$ Value |
|-----------|-------------------|----------|
| 1988-1995 | 2 | 750 |
| 1996-1997 | 3 | 1,000 |
| 1998-1999 | 4 | 1,000 |
| 2000-2006 | 5 | 1,000 |
| 2007 | 6 | 1,000 |
| 2008-2014 | 4 | 1,500 |
| 2015 | 4 | 2,000 |
| 2016-2018 | 5 | 2,000 |
| 2019 | 4 | 2,000 |
| 2020 | 5 | 2,000 |
| 2021 | 3 | 2,000 |
| 2022 | 3 | 2,000 |

The requirements to receive a scholarship can be found in my quarterly column.

In 2012, the requirement to obtain a recommendation from a 10-10 member was eliminated; as many qualified applicants found it very difficult to obtain a recommendation. In 2014, non-US amateurs became eligible for a 10-10 Scholarship.

The Foundation for Amateur Radio administers scholarships for 20 organizations. So, when we encourage a student to apply for our scholarship, when the student fills out the standard FAR application (plus any other requirements specific to one of the other FAR scholarships) he or she may end

up getting a scholarship from another organization worth much more than ours. This summer FAR is awarding 72 scholarships ranging in value from \$500 to \$20,000.

Donations have risen and fallen pretty much in line with sunspot cycles. Hopefully, our members will continue to support the Foundation, and as band conditions improve and there is more activity, I expect that the fund balance will increase and allow us to award more scholarships.

Larry Berger, WA2SUH #407
Scholarship Manager



*Were you first licensed 25 years ago
and licensed today?*

**Then you should join the
Quarter Century
Wireless Association, Inc.**

To Join or Renew, Visit:
<http://www.qcwa.org/join-renew.php>

For more information, please contact:
om@qcwa.org

Net Report

Bob Farrow, N6OPR
(#45715)

Net Report for 2nd Quarter 2021

Monday Nets

| -----28.380 MHz ----- | | | -----28.800 MHz ----- | | |
|-----------------------|-------|--------|-----------------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 5-Apr | 14 | 0 | 5-Apr | 4 | 0 |
| 12-Apr | 11 | 0 | 12-Apr | 5 | 1 |
| 19-Apr | 8 | 2 | 19-Apr | 5 | 0 |
| 26-Apr | 8 | 0 | 26-Apr | 5 | 0 |
| 3-May | 12 | 3 | 3-May | 3 | 0 |
| 10-May | 9 | 1 | 10-May | 4 | 0 |
| 17-May | 4 | 0 | 17-May | 3 | 0 |
| 24-May | 8 | 2 | 24-May | 3 | 0 |
| 31-May | 20 | 2 | 31-May | 2 | 0 |
| 7-Jun | 8 | 0 | 7-Jun | 4 | 0 |
| 14-Jun | 12 | 0 | 14-Jun | 5 | 0 |
| 21-Jun | 10 | 0 | 21-Jun | 5 | 0 |
| 28-Jun | 10 | 0 | 28-Jun | 4 | 0 |

Tuesday Nets

| -----28.380 MHz ----- | | | -----28.800 MHz ----- | | |
|-----------------------|-------|--------|-----------------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 6-Apr | 13 | 0 | 6-Apr | XXX | 0 |
| 13-Apr | 11 | 0 | 13-Apr | XXX | 0 |
| 20-Apr | 16 | 3 | 20-Apr | XXX | 0 |
| 27-Apr | 9 | 1 | 27-Apr | XXX | 0 |
| 4-May | 11 | 0 | 4-May | XXX | 0 |
| 11-May | 11 | 2 | 11-May | XXX | 0 |
| 18-May | 9 | 0 | 18-May | XXX | 0 |
| 25-May | 18 | 6 | 25-May | XXX | 0 |
| 1-Jun | 19 | 2 | 1-Jun | XXX | 0 |
| 8-Jun | 14 | 0 | 8-Jun | XXX | 0 |
| 15-Jun | 13 | 3 | 15-Jun | XXX | 0 |
| 22-Jun | 8 | 0 | 22-Jun | XXX | 0 |
| 29-Jun | 15 | 1 | 29-Jun | XXX | 0 |

Wednesday Nets

| 28.380 MHz | | | 28.800 MHz | | |
|------------|-------|--------|------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 7-Apr | 11 | 0 | 7-Apr | XXX | 0 |
| 14-Apr | 10 | 0 | 14-Apr | XXX | 0 |
| 21-Apr | 10 | 0 | 21-Apr | XXX | 0 |
| 28-Apr | 11 | 0 | 28-Apr | XXX | 0 |
| 5-May | 28 | 2 | 5-May | XXX | 0 |
| 12-May | 6 | 1 | 12-May | XXX | 0 |
| 19-May | 7 | 0 | 19-May | 2 | 0 |
| 26-May | 12 | 1 | 26-May | XXX | 0 |
| 2-Jun | 19 | 6 | 2-Jun | 3 | 0 |
| 9-Jun | 19 | 4 | 9-Jun | 3 | 0 |
| 16-Jun | 9 | 2 | 16-Jun | 3 | 0 |
| 23-Jun | 18 | 7 | 23-Jun | 4 | 0 |
| 30-Jun | 19 | 2 | 30-Jun | 3 | 0 |

Thursday Nets

| 28.380 MHz | | | 28.800 MHz | | |
|------------|-------|--------|------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 1-Apr | 5 | 0 | 1-Apr | 4 | 2 |
| 8-Apr | 10 | 0 | 8-Apr | 4 | 1 |
| 15-Apr | XX | 0 | 15-Apr | 3 | 1 |
| 22-Apr | 13 | 1 | 22-Apr | 3 | 0 |
| 29-Apr | 11 | 1 | 29-Apr | 2 | 0 |
| 6-May | 9 | 0 | 6-May | 2 | 0 |
| 13-May | 18 | 5 | 13-May | 3 | 1 |
| 20-May | 17 | 8 | 20-May | 3 | 0 |
| 27-May | 22 | 6 | 27-May | 2 | 0 |
| 3-Jun | 16 | 3 | 3-Jun | 2 | 0 |
| 10-Jun | 10 | 2 | 10-Jun | 2 | 0 |
| 17-Jun | 9 | 2 | 17-Jun | 4 | 1 |
| 24-Jun | 13 | 1 | 24-Jun | 2 | 0 |

Friday Nets

| 28.380 MHz | | | 28.800 MHz | | |
|------------|-------|--------|------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 2-Apr | XX | 0 | 2-Apr | 10 | 0 |
| 9-Apr | XX | 0 | 9-Apr | 10 | 0 |
| 16-Apr | XX | 0 | 16-Apr | 11 | 0 |
| 23-Apr | XX | 0 | 23-Apr | 7 | 0 |
| 30-Apr | XX | 0 | 30-Apr | 10 | 0 |
| 7-May | XX | 0 | 7-May | 6 | 0 |
| 14-May | XX | 0 | 14-May | 10 | 0 |
| 21-May | XX | 0 | 21-May | 13 | 0 |
| 28-May | XX | 0 | 28-May | 12 | 0 |
| 4-Jun | XX | 0 | 4-Jun | 6 | 0 |
| 11-Jun | XX | 0 | 11-Jun | 8 | 0 |
| 18-Jun | XX | 0 | 18-Jun | 7 | 2 |
| 25-Jun | XX | 0 | 25-Jun | 7 | 0 |

Saturday Nets

| 28.380 MHz | | | 28.800 MHz | | |
|------------|-------|--------|------------|-------|--------|
| DATE | TOTAL | NO 10# | DATE | TOTAL | NO 10# |
| 3-Apr | XXX | 0 | 3-Apr | XX | 0 |
| 10-Apr | XXX | 0 | 10-Apr | XX | 0 |
| 17-Apr | XXX | 0 | 17-Apr | XX | 0 |
| 24-Apr | XXX | 0 | 24-Apr | XX | 0 |
| 1-May | XXX | 0 | 1-May | XX | 0 |
| 8-May | XXX | 0 | 8-May | XX | 0 |
| 15-May | XXX | 0 | 15-May | XX | 0 |
| 22-May | XXX | 0 | 22-May | XX | 0 |
| 29-May | XXX | 0 | 29-May | XX | 0 |
| 5-Jun | 7 | 4 | 5-Jun | XX | 0 |
| 12-Jun | 10 | 4 | 12-Jun | XX | 0 |
| 19-Jun | 11 | 0 | 19-Jun | XX | 0 |
| 26-Jun | 7 | 0 | 26-Jun | XX | 0 |

XX NO NET CALLED
 XXX NO REPORT RECEIVED

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!!!

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) | Open, WB6OJB | #70675 | CA |
| Thu (28.380) | Bob, N6OPR | #45715 | AZ |
| Thu (28.800) | Robert, KQ4PK | #63201 | NC |
| Fri (28.380) | Open. Contact Bob N6OPR for info | | |
| Fri (28.800) | Tim, K1IEB | #74965 | AZ |
| Sat (28.380) | Open, N6OPR | #45715 | AZ |
| Sat (28.800) | Open. Contact Bob N6OPR for info | | |
| Alternate | Open. Contact Bob N6OPR for info | | |
| Sunday | NEVER ON SUNDAY | | |

HAMFEST ACTIVITY

Ron, W5SUM #2019 sent in some pictures of hams who attended the Queen Wilhelmena Hamfest in September. This hamfest is held each year on Rich Mountain, just west of Mena, Arkansas at the Queen Wilhelmena Lodge.



L to R: Peggy K5BKT #64386, Ron W5SUM #2019, Phyllis K5PLH #77878 and Larry WD5C #21786.



Ali K5ALI #74286



Tom KI5ELV #77743 and Ron W5SUM #2019



Brian WA5UEK #7280

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 at www.ten-ten.org

TOP TEN HONOR ROLL

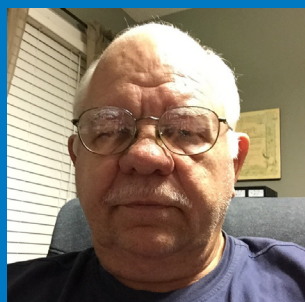
| No. | CONTACTS | CALL | 10-10# |
|-----|----------|--------|--------|
| 1. | 24600 | WA5JDU | 3017 |
| 2. | 11700 | K0PV | 9902 |
| 3. | 11700 | N5XZ | 4530 |
| 4. | 11300 | DL8YBM | 36109 |
| 5. | 10600 | N1API | 25468 |
| 6. | 10000 | K6PZE | 1341 |
| 7. | 9800 | N5DAS | 35877 |
| 8. | 8800 | AC6FU | 10937 |
| 9. | 8300 | N6OPR | 45715 |
| 10. | 8200 | K5FBS | 48461 |

TOP TEN CLUB

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

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 | Open | | | |
| VP WAS. | Open | | | |
| 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 | kevinemt@tvconnect.net |
| Counties | Mark Tatlor Murphy, KC4HIT #57488 | PO Box 936, Conover, NC 28613-0936 | (828) 466-1505 | kc4hit@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) 286-2963 | kd5de@nwla.com |
| Mobile | Open | | | |
| OM/XYL. | Marcus Lieberman, KM5EH #71103 | 2300 Hurley Drive NW, Albuquerque, NM 87120-1013 | (505) 836-1724 | buckml@lolo.net |
| WAS | Eva Donaldson, WB0CON #53964 | 12933 W Montana Drive, Lakewood, CO 80228-4244 | (303) 989-0475 | wb0con@comcast.net |
| WPX | Ed Bryant, KM5FF, #50356 | 9001 Sunbow Ave SW, Albuquerque, NM 87121-8851 | (505) 934-2100 | elbble@gmail.com |
| GB Counties . . | Mike Crawshaw, G4BLH #18446 | 35 Edward Drive, Clitheroe, Lancashire, England BB7 1EF | No Phone | g4blh@zen.co.uk |



QSO Parties

Dan Morris, KZ3T
(#41015)

***** ATTENTION *****

CHANGE IN QSO PARTY RULES

The QSO Party Committee has made the following changes to the QSO Party rules.

Paragraph 5.2.3 – The last sentence is a NOTE referencing a QUIET ZONE. We checked other worldwide contests and found restrictions about not operating above or below a certain frequency but nothing about a quiet zone. Therefore, the last sentence has been deleted.

Paragraph 5.2.5 - there is a sentence stating that if a single transmitter becomes inoperable, it is possible to change to a replacement transmitter. This could imply that a single transmitter must be used for the entirety of the QSO Party unless said transmitter becomes defective. There have been occasions where more than one transmitter has been used (not at the same time) in a QSO Party. Therefore, that sentence has been deleted.

The QSO Party rules has been amended as of 01 September 2021 to reflect these changes.

If anyone has any questions about these changes contact either Larry Berger, WA2SUH or Dan Morris, KZ3T.

Dan Morris, KZ3T #41015
QSO Party Manger

2021 WEAK SIGNAL QSO PARTY

Jul 10 - 11

TOP TEN

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|----------|--------|-------|--------|-------|
| 1. N5MT | 24949 | 52 | 191 | 347 |
| 2. N6GP | 21149 | 13 | 142 | 181 |
| 3. W7DDE | 77712 | 30 | 71 | 161 |

TOP TEN (CONT.)

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|------------|--------|-------|--------|-------|
| 4. N4ZCG | 56067 | 30 | 70 | 160 |
| 5. KD5ILA | 77652 | 31 | 59 | 152 |
| 6. WA2HMM | 40510 | 29 | 32 | 119 |
| 7. N1API | 25468 | 10 | 39 | 69 |
| 8. K5PLH | 77878 | 0 | 66 | 66 |
| 9. N3GTY | 50585 | 15 | 20 | 65 |
| 10. KD2NOM | 77596 | 5 | 42 | 57 |

CALL AREA ORDER

CALL AREA 1

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| N1API | 25468 | 10 | 39 | 69 |
| NM1W | 41721 | 7 | 25 | 46 |

CALL AREA 2

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| WA2HMM | 40510 | 29 | 32 | 119 |
| KD2NOM | 77596 | 5 | 42 | 57 |

CALL AREA 4

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| N4ZCG | 56067 | 30 | 70 | 160 |
| N3GTY | 50585 | 15 | 20 | 65 |
| KD4AMP | 59739 | 0 | 5 | 5 |
| KD4BTU | 59754 | 0 | 5 | 5 |

CALL AREA 5

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| N5MT | 24949 | 52 | 191 | 347 |
| KD5ILA | 77652 | 31 | 59 | 152 |
| K5PLH | 77878 | 0 | 66 | 66 |
| KD5HIP | 71476 | 12 | 13 | 49 |
| KD5DE | 33513 | 7 | 12 | 33 |
| W5SUM | 2019 | 0 | 25 | 25 |

CALL AREA 6

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| N6GP | 21149 | 13 | 142 | 181 |
| N7WLC | 63782 | 4 | 6 | 18 |

CALL AREA 7

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| W7DDE | 77712 | 30 | 71 | 161 |
| AJ7B | 7675 | 4 | 11 | 23 |

CALL AREA 9

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| KC9YL | 76733 | 0 | 16 | 16 |

LOW POWER

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| N5MT | 24949 | 52 | 191 | 347 |
| N6GP | 21149 | 13 | 142 | 181 |
| W7DDE | 77712 | 30 | 71 | 161 |
| N4ZCG | 56067 | 30 | 70 | 160 |
| KD5ILA | 77652 | 31 | 59 | 152 |
| WA2HMM | 40510 | 29 | 32 | 119 |
| N1API | 25468 | 10 | 39 | 69 |
| K5PLH | 77878 | 0 | 66 | 66 |
| N3GTU | 50585 | 15 | 20 | 65 |
| KD2NOM | 77596 | 5 | 42 | 57 |
| KD5HIP | 71476 | 12 | 13 | 49 |
| NM1W | 41721 | 7 | 25 | 46 |
| KD5DE | 33513 | 7 | 12 | 33 |
| W5SUM | 2019 | 0 | 25 | 25 |
| AJ7B | 7675 | 4 | 11 | 23 |
| N7WLC | 63782 | 4 | 6 | 18 |
| KC9YL | 76733 | 0 | 16 | 16 |
| KD4AMP | 59739 | 0 | 5 | 5 |
| KD4BTU | 59754 | 0 | 5 | 5 |

CLUB ENTRIES

| CALL | 10-10# | CTX W | CTX WO | TOTAL | OPS |
|-------|--------|-------|--------|-------|--------|
| N4SVC | 75836 | 4 | 126 | 138 | KD4AMP |

CHAPTER ENTRIES

| CHAPTER | LOGS | PTS |
|-------------------|------|-----|
| LOUISIANA PELICAN | 1 | 347 |
| POSSUM TROT | 2 | 225 |
| STEAMBOAT | 3 | 124 |
| CASTLE CRAIG | 1 | 69 |

2021 SUMMER SSB QSO PARTY**Aug 7 - 8****TOP TEN**

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-----------|--------|-------|--------|-------|
| 1. DL8YBM | 36109 | 47 | 489 | 583 |
| 2. KB5UNX | 64337 | 75 | 45 | 195 |
| 3. NC0B | 74875 | 68 | 57 | 193 |
| 4. N6OPR | 45715 | 63 | 47 | 173 |
| 5. W5SUM | 2019 | 55 | 60 | 170 |
| 6. WB4WXE | 7010 | 45 | 18 | 108 |
| 7. KM4ODS | 77504 | 36 | 26 | 98 |
| 8. KD5DE | 33513 | 38 | 11 | 87 |
| 8. K8CTM | 77275 | 30 | 27 | 87 |
| 9. WB5CMI | 8292 | 29 | 13 | 71 |
| 9. WA2HMM | 40510 | 22 | 27 | 71 |
| 10. F6BXQ | 25912 | 8 | 46 | 62 |

CALL AREA ORDER**CALL AREA 0**

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| NC0B | 74875 | 68 | 57 | 193 |
| KA0HZP | 31562 | 14 | 6 | 34 |
| W0RTV | 13962 | 11 | 2 | 24 |

CALL AREA 0 (CONT.)

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| AI6O | 32671 | 9 | 2 | 20 |
| N0CUN | 33031 | 8 | 1 | 17 |
| KB0ARZ | 48754 | 6 | 2 | 14 |
| KC0VDY | 72580 | 3 | 0 | 6 |

CALL AREA 1

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| N1API | 25468 | 22 | 16 | 60 |
| N1DFD | 65460 | 15 | 2 | 32 |
| N1ZN | 73599 | 12 | 3 | 27 |

CALL AREA 2

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| WA2HMM | 40510 | 22 | 27 | 71 |
| WA2CNV | 65510 | 8 | 5 | 21 |
| WA2SUH | 407 | 6 | 0 | 12 |
| WA3AFS | 5662 | 4 | 1 | 9 |
| N2LDV | 59445 | 2 | 2 | 6 |
| K2DEG | 1239 | 2 | 0 | 4 |

CALL AREA 3

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| N3DUE | 41066 | 7 | 1 | 15 |
| K3TC | 33876 | 4 | 3 | 11 |
| K3URT | 77112 | 1 | 3 | 5 |

CALL AREA 4

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| WB4WXE | 7010 | 45 | 18 | 108 |
| KM4ODS | 77504 | 36 | 26 | 98 |
| N4ZCG | 56067 | 23 | 6 | 52 |
| AK4YS | 75328 | 19 | 0 | 38 |
| WO4ROG | 77815 | 18 | 1 | 37 |
| N3GTY | 50585 | 14 | 2 | 30 |
| K4PGM | 77579 | 13 | 0 | 26 |

CALL AREA 4 (CONT.)

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| N4USB | 77730 | 11 | 0 | 22 |
| W4SOT | 63201 | 8 | 4 | 20 |
| W4MLW | 65162 | 10 | 0 | 20 |
| WD4DIY | 26169 | 8 | 3 | 19 |
| KI4YRH | 75352 | 8 | 1 | 17 |
| KI4W | 62657 | 8 | 0 | 16 |
| WB4MM | 76750 | 7 | 1 | 15 |
| KK4AMR | 76031 | 5 | 0 | 10 |
| KZ3T | 41015 | 2 | 0 | 4 |
| N4ERM | 34524 | 0 | 1 | 1 |

CALL AREA 5

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| KB5UNX | 64337 | 75 | 45 | 195 |
| W5SUM | 2019 | 55 | 60 | 170 |
| KD5DE | 33513 | 38 | 11 | 87 |
| WB5CMI | 8292 | 29 | 13 | 71 |
| KG5ZMQ | 77628 | 25 | 11 | 61 |
| N5MT | 24949 | 21 | 17 | 59 |
| K5JAD | 77778 | 17 | 3 | 37 |
| K5PLH | 77878 | 16 | 0 | 32 |
| KD5ILA | 77652 | 8 | 8 | 24 |
| N2VOX | 77798 | 10 | 2 | 22 |
| K5PKB | 77800 | 10 | 2 | 22 |
| KM5FF | 50356 | 6 | 2 | 14 |
| KI5KOI | 77853 | 6 | 1 | 13 |
| N0LD | 68878 | 5 | 2 | 12 |
| AD5IF | 73372 | 2 | 0 | 4 |
| KM5EH | 71103 | 1 | 0 | 2 |

CALL AREA 6

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| WB6IZG | 55393 | 7 | 7 | 21 |
| AB6QM | 63114 | 5 | 1 | 11 |
| AD6GE | 36627 | 2 | 1 | 5 |

CALL AREA 7

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| N6OPR | 45715 | 63 | 47 | 173 |
| N7NT | 62502 | 15 | 6 | 36 |
| WB7UOF | 29034 | 8 | 3 | 19 |
| AJ7B | 7675 | 3 | 0 | 6 |
| KE6GFI | 72985 | 1 | 3 | 5 |
| N7QOZ | 62599 | 2 | 0 | 4 |

CALL AREA 8

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| K8DEL | 2978 | 15 | 21 | 51 |
| W8KNO | 71899 | 4 | 1 | 9 |
| K8LL | 76801 | 2 | 1 | 5 |

CALL AREA 9

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| K8CTM | 77275 | 30 | 27 | 87 |
| NA9A | 31121 | 13 | 8 | 34 |
| NK9Y | 37014 | 10 | 6 | 26 |
| KC9TQU | 77157 | 7 | 0 | 14 |

QRP

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| AD5IF | 73372 | 2 | 0 | 4 |

COUNTRY ENTRIES**FRANCE**

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| F6BXQ | 25912 | 8 | 46 | 62 |

GERMANY

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| DL8YBM | 36109 | 47 | 489 | 583 |
| DL6DK | 39944 | 27 | 7 | 61 |

HAWAII

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|-------|--------|-------|--------|-------|
| NH7PE | 74456 | 2 | 0 | 4 |

LOW POWER

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| KB5UNX | 64337 | 75 | 45 | 195 |
| KM4ODS | 77504 | 36 | 26 | 98 |
| KD5DE | 33513 | 38 | 11 | 87 |
| WB5CMI | 8292 | 29 | 13 | 71 |
| N1API | 25468 | 22 | 16 | 60 |
| N4ZCG | 56067 | 23 | 6 | 52 |
| AK4YS | 75328 | 19 | 0 | 38 |
| K5JAD | 77778 | 17 | 3 | 37 |
| WO4ROG | 77815 | 18 | 1 | 37 |
| KA0HGP | 31562 | 14 | 6 | 34 |
| N1DFD | 65460 | 15 | 2 | 32 |
| K5PLH | 77878 | 16 | 0 | 32 |
| N3GTU | 50585 | 14 | 2 | 30 |
| N1ZN | 73599 | 12 | 3 | 27 |
| NK9Y | 37014 | 10 | 6 | 26 |
| K4PGM | 77579 | 13 | 0 | 26 |
| W0RTV | 13962 | 11 | 2 | 24 |
| KD5ILA | 77652 | 8 | 8 | 24 |
| N4USB | 77730 | 11 | 0 | 22 |
| N2VOX | 77798 | 10 | 2 | 22 |
| K5PKB | 77800 | 10 | 2 | 22 |
| WA2CNV | 65510 | 8 | 5 | 21 |
| AI6O | 32671 | 9 | 2 | 20 |

LOW POWER (CONT.)

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| W4MLW | 65162 | 10 | 0 | 20 |
| WD4DIY | 26169 | 8 | 3 | 19 |
| WB7UOF | 29034 | 8 | 3 | 19 |
| N0CUN | 33031 | 8 | 1 | 17 |
| KI4YRH | 75352 | 8 | 1 | 17 |
| KI4W | 62657 | 8 | 0 | 16 |
| WB4MM | 76750 | 7 | 1 | 15 |
| KB0ARZ | 48754 | 6 | 2 | 14 |
| KM5FF | 50356 | 6 | 2 | 14 |
| KC9TQU | 77157 | 7 | 0 | 14 |
| KI5KOI | 77853 | 6 | 1 | 13 |
| WA2SUH | 407 | 6 | 0 | 12 |
| N0LD | 68878 | 5 | 2 | 12 |
| AB6QM | 63114 | 5 | 1 | 11 |
| KK4AMR | 76031 | 5 | 0 | 10 |
| WA3AFS | 5662 | 4 | 1 | 9 |
| W8KNO | 71899 | 4 | 1 | 9 |
| AJ7B | 7675 | 3 | 0 | 6 |
| KC0VDY | 72580 | 3 | 0 | 6 |
| AD6GE | 36627 | 2 | 1 | 5 |
| K8LL | 76801 | 2 | 1 | 5 |
| K3URT | 77112 | 1 | 3 | 5 |
| K2DEG | 1239 | 2 | 0 | 4 |
| KZ3T | 41015 | 2 | 0 | 4 |
| N7QOZ | 62599 | 2 | 0 | 4 |
| NH7PE | 74456 | 2 | 0 | 4 |
| KM5EH | 71103 | 1 | 0 | 2 |
| N4ERM | 34524 | 0 | 1 | 1 |

HIGH POWER

| CALL | 10-10# | CTX W | CTX WO | TOTAL |
|--------|--------|-------|--------|-------|
| DL8YBM | 36109 | 47 | 489 | 583 |
| NC0B | 74875 | 68 | 57 | 193 |
| N6OPR | 45715 | 63 | 47 | 173 |
| W5SUM | 2019 | 55 | 60 | 170 |
| WB4WXE | 7010 | 45 | 18 | 108 |
| K8CTM | 77275 | 30 | 27 | 87 |
| WA2HMM | 40510 | 22 | 27 | 71 |
| F6BXQ | 25912 | 8 | 46 | 62 |
| DL6DK | 39944 | 27 | 7 | 61 |
| KG5ZMQ | 77628 | 25 | 11 | 61 |
| N5MT | 24949 | 21 | 17 | 59 |
| K8DEL | 2978 | 15 | 21 | 51 |
| N7NT | 62502 | 15 | 6 | 36 |
| NA9A | 31121 | 13 | 8 | 34 |
| WB6IZG | 55393 | 7 | 7 | 21 |
| W4SOT | 63201 | 8 | 4 | 20 |
| N3DUE | 41066 | 7 | 1 | 15 |
| K3TC | 33876 | 4 | 3 | 11 |
| KE6GFI | 72985 | 1 | 3 | 5 |

CLUB ENTRIES

| CALL | 10-10# | CTX W | CTX WO | TOTAL | OPS |
|--------|--------|-------|--------|-------|--------|
| DF0IA | 68914 | 47 | 489 | 583 | DL8YBM |
| K4MN | 24874 | 36 | 26 | 98 | KM4ODS |
| W5RRV | 42114 | 38 | 11 | 87 | KD5DE |
| N4SVC | 75836 | 20 | 39 | 79 | KD4AMP |
| DL0BIC | 77526 | 27 | 7 | 61 | DL6DK |
| NM5H | 68588 | 21 | 17 | 59 | N5MT |
| NZ4FF | 77686 | 14 | 2 | 30 | N3GTU |

CHAPTER ENTRIES

| CHAPTER | LOGS | PTS |
|-------------------|------|------|
| BRANDING IRON | 4 | 1288 |
| STEAMBOAT | 10 | 602 |
| POSSUM TROT | 16 | 519 |
| CATT | 3 | 331 |
| LONESTAR | 1 | 195 |
| MLB | 1 | 173 |
| LOUISIANA PELICAN | 2 | 118 |
| GATEWAY | 4 | 89 |
| CASTLE CRAIG | 2 | 87 |
| CITY OF LIGHTS | 1 | 34 |
| NM MUD DUCKS | 1 | 14 |
| ALOHA | 1 | 4 |

CHECK LOGS

| CALL | 10-10# | CTX W | CTX WO | TOTAL | OPS |
|-------|--------|-------|--------|-------|-----|
| NC4XL | 66834 | 5 | 0 | 10 | 0 |
| KY4RJ | 0 | 4 | 0 | 8 | 0 |
| NC4MI | 41896 | 4 | 0 | 8 | 0 |
| N2LEB | 59475 | 1 | 0 | 2 | 0 |

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. wi5v.be@gmail.com

73 Dennis Stice WI5V #35806

IARU Region 2 HF Beacon Coordinator

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

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.

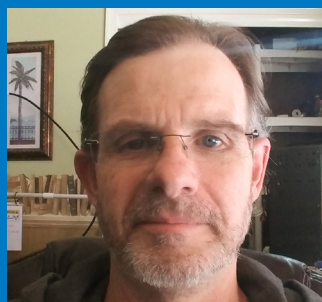
LOYAL..... offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

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.



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 |
|--------|--------|--|
| 00534 | WA1DMM | James A. Gerrard - Queensbury, NY |
| 01387 | WA2KDB | Gerard A. Macari - Spring Hill, FL |
| 02029 | W4EW | Edward M. Wise, Jr. - Commerce, GA |
| 04270 | W7EB | Elliott A. Bloch - Las Vegas, NV |
| 05418 | WB4UQV | John M. Hostetter - Stewart, TN |
| 06625 | W2XC | Raymond C. Shatzel - Lancaster, NY |
| 10271 | KD4Y | Herbert D. Connellan, Jr. - Greenville, AL |
| 10451 | VE3DGS | Allen Karbonik - Edmunton, AB |
| 10673 | WA9ACW | Eldon L. Launer - Springfield, IL |
| 12197 | WA3YOH | Cameron R. Whetstone - Pikesville, MD |
| 12317 | VE3CTY | Earl F. Kaufman - Cambridge, ON |
| 12648 | WN1M | Michael W. Marinaro - South Glasonbury, CT |
| 13006 | K0EGA | Vernon L. Garman, Jr. - Las Vegas, NV |
| 13149 | WB3CEZ | Paul L. Yoder - Royersford, PA |
| 13253 | K4SCL | Woodrow Huddleston - Largo, FL |
| 14143 | W2NVZ | Robert J. Erskine - Rochester, NY |
| 15445 | WA4OBO | Kenneth W. Winston, Jr. - Bermuda Run, NC |
| 16256 | K8EIO | Robert L. Sheneman - Grand Rapids, MI |
| 16727 | KE3A | William G. Kessinger - Grand Island, FL |
| 17443 | WA7YKV | David P. Herbert - Kennewick, WA |
| 17685 | KB4EI | Jewell M. Wilkes - Quinton, AL |
| 18793 | WA4TB | Tommy L. Brown - Dalton, GA |
| 20460 | K5ZIP | Donald L. Ledet - Thibodaux, LA |
| 22279 | KC8EI | James E. Loving, Sr. - Northwood, OH |
| 24865 | KD7EB | Mosby L. Simmons, III - Sisters, OR |
| 26224 | K4BRE | Dixon M. Bridges, Sr. - Casar, NC |
| 26813 | N4GJD | Harry R. Prince, Jr. - Savannah, GA |
| 27412 | N8BBR | Robert L. Cuthbert - Bay City, MI |
| 27748 | W6KOW | David A. Martin - Independence, OR |
| 27823 | W7JHS | Cormac C. Thompson, Jr. - Prosser, WA |
| 28981 | WD0BXX | Gary D. Oachs - White Bear Lake, MN |
| 29084 | KB7LX | William R. Leach - Blackfoot, ID |
| 29268 | N9DUZ | James M. Kehr - Goshen, IN |
| 30413 | K8YPA | Roger S. Lemaster - Orwell, OH |
| 31107 | KA9DFI | Michael L. Miller - Wonderlake, IL |

| 10-10# | Call | Name - City, State |
|--------|--------|--|
| 31107 | KA9DFI | Michael L. Miller - Wonder Lake, IL |
| 31676 | WA6IRN | Sherman M. Stanley, Jr. - Twin Falls, ID |
| 33084 | N0GE | Gergory E. Rogers - Angier, NC |
| 35398 | KU1Q | Walter M. Horvay - Goshen, CT |
| 37103 | K1IIG | Stephen B. Tripp - Wallingford, CT |
| 37458 | W3COX | James E. Cox - Greenwood, SC |
| 37776 | KJ4RV | Charles S. Ward - Fayetteville, NC |
| 37784 | K4YNG | Fletcher C. Barker - Easley, SC |
| 39774 | N4JJK | John T. Heard - Dalton, GA |
| 40210 | VA3DG | Darrell Drake - Barrie, ON |
| 40809 | N5FJY | Joseph A. Casorina - Texas City, TX |
| 41274 | WA9JMU | James W. Liedtky - Lacrosse, IN |
| 41702 | WB1ASC | John S. Brookfield, Jr. - Charles Town, WV |
| 42544 | KK4WS | Timothy J. Parsons - Lexington, KY |
| 43364 | W9JRC | John R. Craddock - Muncie, IN |
| 43376 | K9ZVZ | David J. Hanson - Mission, TX |
| 43725 | N7JCO | Daniel Czarnecki - Layton, UT |
| 46152 | KA4AIJ | Max D. Anderson - Old Hickory, TN |
| 47327 | W4DOW | Dow L. Pierce - Meadowview, VA |
| 47763 | N8INQ | James J. Hooper - Fort Myers, FL |
| 48168 | N1FYY | Arthur W. Reed - Fairfield, ME |
| 48835 | N8MCT | Robert E. Heaton - Toronto, OH |
| 48970 | K7IOO | William C. Moore - Grand Coulee, WA |
| 49495 | KI6PR | Michael C. Siegel - Merced, CA |
| 49570 | KC4EFH | Kevin R. Powell - Angier, NC |
| 49635 | WI9X | James R. Stoeber - Belleville, IL |
| 49756 | KA2ZNZ | John V. Roshia, Jr. - Liverpool, NY |
| 50351 | W5AAM | Anthony McLean - Winnsboro, TX |
| 51040 | AA0AV | Ben F. Irvin, Jr. - Tulsa, OK |
| 51171 | WA2SJB | Warren W. Herdic, Sr. - Cuba, NY |
| 51891 | WG6M | Alvin E. Dionizio - Modesto, CA |
| 51930 | N9DT | Darell W. Taylor - Fowler, IL |
| 51969 | N9KNJ | Ronald L. Kaufman - New Haven, IN |
| 52401 | W1JDY | Anders A. Pedersen - Alfred, ME |
| 53122 | N7MYM | Aldo A. Samboni - Seattle, WA |
| 53340 | KA1UDB | Herman C. Falcon, Jr. - Swansea, MA |
| 53417 | WE3O | Robert J. Poisel - McKeesport, PA |
| 53507 | W9PHF | Ray J. Greisinger - Green Bay, WI |
| 57404 | WA4BKW | William J. Svec, Jr. - Roanoke, VA |
| 60523 | N3JYY | Emil R. Skusa - Shillington, PA |
| 61427 | W9ITT | Herman W. Gross - De Pere, WI |
| 64326 | N5TVB | Wesley R. Connally - Richardson, TX |
| 64363 | W5PFQ | Edward G. Barry - Little Rock, AR |
| 64868 | N8WWG | Kenneth L. Wyckoff, Jr. - Stow, OH |
| 66068 | VE3AXW | Tony Duplessis - Brantford, ON |
| 66818 | KB0MDQ | Tom J. Keller - Lakeville, MN |
| 67310 | WB6TA | Terrance W. Arnall - Hayward, CA |

| 10-10# | Call | Name - City, State |
|--------|--------|--|
| 68335 | W8GAZ | Stephen P. Weisbrod - Minnetonka, MN |
| 69314 | W3IMJ | John B. Hunt - Lebanon, PA |
| 70209 | N0XRS | Virgil W. Yost - Colorado Springs, CO |
| 70290 | KU4WD | Quentin D. Jones - Cookeville, TN |
| 70296 | K8AUS | James H. Smith - Short Gap, WV |
| 71333 | W9OSH | Ken R. Moran - Oshkosh, WI |
| 72082 | KC2EVO | Robert R. Stott - Williamstown, NJ |
| 72335 | W1WFZ | Fred T. Perry - Coventry, RI |
| 73506 | N6NPG | Thomas H. Ryan - Ridgecrest, CA |
| 73724 | K9IJ | John F. Rice - Lake Zurich, IL |
| 73724 | K9IJ | John F. Rice - Lake Zurich, IL |
| 73797 | W9DUT | Jude V. Domanski - Chicago, IL |
| 73851 | W8OU | Andrew C. John - Edmond, OK |
| 74259 | KV4CT | Kevin L. Poorman - Palm Harbor, FL |
| 74825 | AE4GB | Gregory D. Black - Orlando, FL |
| 75459 | WB4VWZ | Thomas H. Sloan - Washington, NC |
| 75704 | KB5SWA | Charles E. Foster - Pocola, OK |
| 76048 | AE7OA | Michael F. Nolan - Dallas, OR |
| 76106 | WB9SLM | Kristine A. Hickerson - Greenville, IL |
| 76383 | N7CRS | Saul Chorost - Tucson, AZ |
| 77657 | K9TS | Philip E. Covert - Quincy, IL |

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

Mark 73, KD2NOM #77596

FT-8 Mode Update

You may remember seeing articles and a video on how to use WSJT-X FT8 Mode to make 10-10 contacts. Since those informative pieces were created, the WSJT-X software engineers have created new WSJT-X versions. Someone looking at the latest version while reading or viewing the information 10-10 members created are probably scratching their heads and confused on how to transmit 10-10 contact information.

The major stumbling block is when the video and articles refer to Tab 2 of the Message Control Panel. The software engineers decided to completely repurpose this tab. Prior to the change, you could manually control the transmit messages through a series of command buttons. Personally, I used the buttons on this tab for all my 10-10 contacts and demonstrated this method in the video for the live on-air example. Now that those buttons are gone, 10-10 operators will have to resort to the second method shown in the 10-10 video.

In the video, the second method of sending messages through FT8 was briefly mentioned and not much explanation to really explain how to use it. So, I thought this revisit of the FT8 mode should focus on how to use the controls on tab 1 of the message Control Panel to send textual information during an FT8 QSO.

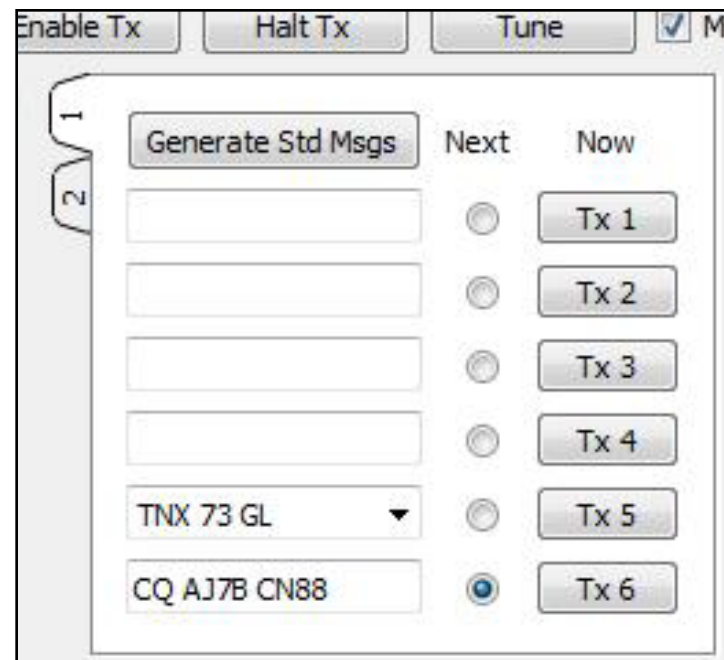


Figure 1. Message Control Panel

Figure 1 shows the Message Control Panel as it exists today in version 2.4.0.

When Auto Sequence is enabled, all the text box fields are filled in the instant you double-click on a line in the Band Activity or Rx Frequency text window. Which text box content is sent is based on the other station's response. If you do the initial CQ call, then the software will start sending the text contained in text box 6 (bottom text box with "Tx 6" button to the right of the text box). The instant another station answers your CQ, all the other text boxes are filled in automatically and the software controls which text box content to send out next. Although you can type your own text in any of the six text boxes, the software will just keep overwriting them while Auto Sequence is enabled.

To send your own text messages, it will be necessary to disable Auto Sequence so you can take control over what and when text is being sent to the other station. To disable Auto Sequence, make sure the "Auto Seq" box is NOT checked as shown in Figure 2.

Although Auto Sequence is disabled, the software will continue to transmit on the odd or even cycle. It's just that the software won't progress through the six text boxes automatically. You will be in charge of which text box content to send.

You have two options to select which text box content you want to send: Next option and Now command button. These two options are just to the right of each

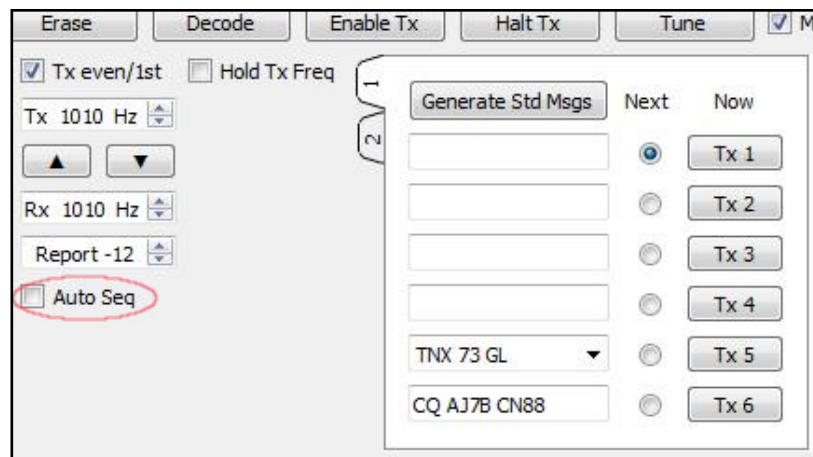


Figure 2. Auto Sequence Control shown disabled

text box. Clicking on the option control in the Next column means that the content of the text box will be sent in the next transmit cycle. The Now command buttons give you the capability of overriding whatever is being sent while a transmit cycle is executing. If the transmit cycle started before you could click on the Next option button, you can click the Now button next to the text box content you want to transmit and the transmit text changes immediately. If you click the button early in the transmit cycle, the other station won't even see the text sent in error.

Assuming you've read the previous articles or viewed the video (see www.Ten-ten.org), you already know how to store your 10-10 contact information (name, state, and 10-10 number) in a Tx Macro. Because of the 13-character limit, you may have stored your 10-10 info in one or two Tx macros. In my case, I can get all my 10-10 info in one Tx macro.

Text box 5 is the one box that lets you access this macro information. Click on the dropdown arrow at the right-end of text box 5 to show the list of text. See Figure 3.

The text you select from the list will fill the text box and stay as long as you communicate with the one station you double-clicked on or the one who answered your CQ. Whenever a new station is selected or answers CQ, the software generates new standard messages that incorporate the new call sign. This includes text box 5. You will need to click on the dropdown arrow and reselect the Tx macro text each time you connect with a new call sign.

FT8 PROCEDURE WITH 10-10 INFO

You have decided to get on 10 meters and see if you can make some contacts with other 10-10 members. It is assumed you have already launched WSJT-X and have selected 10m in the band dropdown box and stations calling CQ or working each other are scrolling through the Band Activity text window.

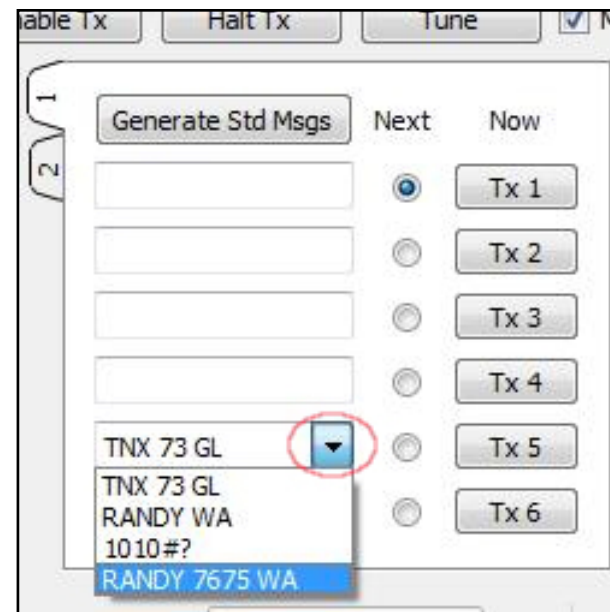


Figure 3. List Tx Macros in Text Box 5

1. Clear (Not Checked) the checkbox next to **Auto Seq** in the center of the Main Window.

ANSWERING A STATION CALLING CQ

2. In the **Band Activity** text window, double-click on a station calling CQ.
3. If not already enabled, click on **Enable Tx** button. The button should turn Red.
4. While the software is transmitting, click on the dropdown arrow at the right end of text box 5 and select the 10-10 information you want to send.
5. When you get a response from the CQ calling station that they heard you and are responding, click on the **Now** command button (**Tx 3**) next to text box 3. You probably won't have enough time to click on the next option of text box 3 after you see the station call you back. You don't want to move off of text box 1 until you see the other station has acknowledged you.
6. While transmitting with text box 3 content, click the **Next** option next to text box 5 containing your 10-10 information. This will cause the text in the box to be sent during the next transmit cycle.

Note: If you had to break your 10-10 information into two parts, then you will need to select the second Tx macro during the receive cycle after transmitting the first Tx macro text.

Hopefully the station operator of the other station is processing his 10-10 information as well and you are receiving it in the **Rx Frequency** text window.

7. To end the QSO, click the Next option next to text box 4 so the "RR73" is sent.
8. This should open the logging window with the details of the QSO. I put the other stations 10-10 information in the comments field of the logging dialog box and click on the **Retain** checkbox.

CALLING CQ

When you are the station calling CQ, the process is a little bit different.

2. Click on the **Next** option to the right of Text box 6.
3. Click on **Enable Tx** button. The transmit cycle may not start immediately. Which cycle it starts with is determined by the **Tx even/1st** option in the center of the main window.

When someone responds to your call, the software will fill in all the text boxes with text embedding your call and the other stations call sign.

4. Click on the **Now Tx 2** button to start your response to the other station.
5. While the transmit cycle is cranking out text box 2 content, click on the

dropdown arrow in text box 5 and select the 10-10 information you want to send.

6. When you see a response from the other station that indicates they received the signal report, (R-18 for example) then click on the **Now Tx 5** button to start sending the 10-10 information.

7. When you get the information you want from the other station, then click on the **Next** option next to text box 4 so its contents are sent during the next transmit cycle.

The logging dialog box opens where you can store the 10-10 information for later reference.

That pretty much covers the update on the WSJT-X software. These same procedures will also work for the FT4 mode.

It is my hope to get a new video created to replace the old video but that will depend on my availability.

Randy AJ7B #7675

Meet The Volunteers

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

| | | | |
|---------------------|--------------------------|---------------------|----------------------------|
| AJ7B, Randy..... | Editor | N0TW, Terry..... | Past President |
| G4BLH, Mike..... | Awards - GB | N2WIE, Tony..... | Awards-1000+ Bars |
| K1IEB, Tim..... | Net Control | N3GTY, Bill..... | Committee Member |
| K5BKT, Peg..... | Committee Member | N5MT, Mike..... | Awards - DX |
| K6RDK, Dave..... | Data/ Membership Manager | N6OPR, Bob..... | Director |
| K7CWS, Ray..... | Net Control | N7YG, Jeff..... | IT Manager |
| KA0ZPP, Jim..... | Director | N9AC, Gerald..... | W6OI Trustee |
| KC4HIT, Mark..... | Awards - Counties | NP2MR, David..... | Committee Member |
| KD2NOM, Mark..... | Director | NS6X, John..... | Committee Member |
| KD5DE, Mel..... | President | NZ1I, Kevin..... | Awards – WAC |
| KF4WKY, Mike..... | Net Control | VA7GY, Garry..... | Committee Member |
| KG5RJ, Greg..... | Committee Member | VE3MEW, Bill..... | Committee Member |
| KI6OY, Lee..... | Awards-CW | W4SOT, Robert..... | Net Control |
| KJ5SZ, Hugo..... | General Counsel | W5DJT, David..... | Committee Member |
| KM4ODS, George..... | Director | W5SUM, Ronnie..... | Vice President / Secretary |
| KM5EH, Marcus..... | Director | W9HT, Josh..... | Committee Member |
| KM5FF, Ed..... | Awards-WPX | WA2SUH, Larry..... | Director |
| KR7RK, Keith..... | Treasurer | WB0CON, Eva..... | Awards – WAS |
| KZ3T, Dan..... | QSO Party Manager | WB6OJB, Arnold..... | Net Control |

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

COAX: THE SHORT STORY

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

One good way to think about antennas is as a system: the antenna system. The antenna system consists of all components that get power from the rig (or, on reception, to the rig) into the transducer (that is the antenna proper) that converts the electrical energy (the energy that shocks) into electro-magnetic radiation (the energy form that lets your signal bounce off the ionosphere to all that good DX). Some of these components are inside your rig: the filtering and impedance matching components that establish a 50-ohm impedance at the coax connector.

The remainder of the components are external: the antenna proper, the transmission line, the transmatch or antenna tuning unit (2 names for the same item, and it may also be in your rig's case), and any matching components at the antenna terminals (such as a beta or gamma match for a Yagi). All of these have to be working well to ensure maximum efficiency of energy conversion into RF radiation.

The weak link in the system is often the transmission line, and just because it is a simple, no-adjustment component. It does not start off as the weak link: it just gets that way because we ignore it. Most 10-10ers use coax to feed their antennas, so let's confine our discussion to coaxial cables as transmission lines.

SOME COAX BASICS

Everyone knows what coax looks like. There is a center wire, which may be solid or stranded. Surrounding the center wire is some insulating material: it may be a solid translucent plastic or a white softer foam. Around the insulation is a layer of conductors: these may be a mesh or braid of copper, or in recent cables, the conductor may consist of a foil with a mesh around it. Over these layers is a coating – usually a black jacket on ham wires, but sometimes gray or even white for special purpose cables.

For the moment, forget the outer cover. The center wire, the insulating material, and the wire mesh that determine the characteristics of the cable as a transmission line. We can be a little more precise by remembering that alternating currents at HF frequencies travel at the surface of the wires. Hence, we are concerned with the outer surface of the center wire and the inner surface of the wire mesh: these two surfaces determine what the characteristic impedance of the cable will be. Of course, most of us use 50-ohm cables. Since getting 50-ohm impedance depends on the ratio of the diameter of the center wire and the circle made by the wire mesh, we can make many different sizes of 50-ohm coax.

Here is a table of the most common 50-ohm coaxial cables we hams use:

| Cable # | Outer Diameter* | 50 MHz Loss** | Maximum Voltage*** | Velocity Factor**** |
|------------|---|---------------|--------------------|---------------------|
| RG-174 | 0.1" | 5.7 dB | 1100 | 0.66 |
| RG-58 | 0.195" | 3.1 dB | 1400 | 0.66 |
| Cable # | Outer Diameter* | 50 MHz Loss** | Maximum Voltage*** | Velocity Factor**** |
| RG-58 Foam | 0.195" | 3.3dB | 1400 | 0.79 |
| RG-8X Foam | 0.242 | 2.1 dB | 2000 | 0.75 |
| RG-213 | 0.405 | 1.3 dB | 3700 | 0.66 |
| * | Outer diameter includes insulating jacket | | | |
| ** | Losses at 10 meters will be about 2/3rds this figure; losses are approximate and vary somewhat from one listing to another. | | | |
| *** | Maximum operating voltage (rms) also vary from one list to another. | | | |
| **** | Velocity factors on foam cables vary from one listing to another. | | | |

What can we learn from the table? Actually, several things.

1. The fatter the cable, the lower the losses in the cable. So, use the fattest cable you can afford and handle in your situation.
2. The fatter the cable, the higher the power handling capability (as roughly indicated by the operating voltage).
3. The outer diameter of the cable determines what coax connectors to use. RG-213 requires regular PL-259 plugs. RG-8X, being the same size as RG-59 (a 70-ohm cable) requires UG-176 adapters. RG-58 requires a UG-175 adapter. DO NOT forget the adapters for the smaller cables: they relieve stress on the wires for longer-lasting connections.
4. The velocity factors tell us how long a cable wavelength is relative to that same wavelength in free space. The cables with solid insulation will be an electrical wavelength long at only 2/3rds the length of the wave in free space. Notice that the foam insulations have higher velocity factors than the solid insulation types. For all foam and for cables with new numbers, be sure to check the velocity factor just in case you have to make up a cable that is a specific fraction of a wavelength long.

In addition to these basic cables, there are a number of new cables. Belden and others make a very low-loss version of RG-213 under company stock numbers. It is for VHF or for very long (100' +) runs of coax. And it costs more. There are also

marine cables with jackets that resist sun, salt water, acids in the air, and almost any other contaminant. They also cost more.

WHAT CABLE TO USE

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

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

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

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

COAX PROBLEMS

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

Mechanical problems and maintenance: Nothing lasts forever (except love). Inspect your coax and connectors at least once per year or whenever you have any signal strength problems. Clean the connections and reseal them, if outdoors. Wipe down the coax to remove dirt and chemical build-up. Try to install your coax as much in the shade as possible to reduce the rate of sun

deterioration of the outer jacket. For buried installations, check for standing water around the cable and improve drainage if necessary. Be certain that you use plenty of support on vertical runs (for example, up the leg of a tower). Avoid long, unsupported horizontal runs: use a support rope to which the coax is taped at small intervals. Coax was not made even to support its own weight. Avoid tight corners: the fatter the coax, the larger the radius of a corner. (This also prevents deformation of the cable, which can change its electrical characteristics.)

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

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

I also take one other precaution. Instead of running one piece of coax from the antenna terminals to the rig, I use several. The first goes from the beam terminals (actually, the choke balun) to the mast, around the rotator with a large strain-relief loop, and down about 8 feet along a tower leg. I have grounded my tower legs as best I can, and I have plate on the leg with a bulkhead (double female) coax connector. The first length of coax ends here and the second begins. Electrically, the tower and the outer coax braid surface are at the same potential. The second coax length goes to another plate installed where the coax enters my home. At this weather protected point, when weather threatens, I can move the coax from the house run to a plate with coax connectors and a long pipe into the soil. Keeping heavy charges outdoors is my goal, especially when I am on vacation. This measure protects my home. A third run goes from the home-entry plate to a plate at the edge of my operating table. Routinely, whenever I am not on the air, the coax, ground strap, computer connector, and

AC cord to the station are all completely disconnected, so that the station is isolated from any electrical dangers. This measure protects my rig. For normal operation, short lengths of coax from the plates to my antenna tuners and rigs complete the connections.

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

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

2021 Ten-Ten QSO Party Schedule

| Event | Dates | Postmark |
|--------------|------------|----------|
| Sprint | Oct. 10 | Oct 18 |
| Fall CW | Oct. 16-17 | Oct. 25 |
| Fall Digital | Nov. 13-14 | Nov. 22 |



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om@qcwa.org**

WOULD YOU LIKE TO JOIN 10-10?

Here is what you need:

1. You must hold a valid amateur operator license.
2. Your valid amateur operator license MUST authorize or qualify you for unsupervised transmitting operations in the ten meter amateur band under your own personal call sign.
3. You must make contact with ten members of 10-10 and submit a log listing all contacts, their 10-10 number, call sign, name (as received 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 at www.ten-ten.org/misc/ten-ten-scholarships. 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.

Weak Signal - held on the second full weekend in July - 0001 UTC Saturday 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.

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/RTTY 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. 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.

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.

TEN-TEN QSO PARTY RULES

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 tentencontest@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

Due to poor band conditions, these events have been postponed until further notice.

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 WEAK SIGNAL QSO PARTY (WSQP)

This event was added to help promote digital activity on the ten-meter band. The event in no way affects or modifies the policies for other scheduled Ten-Ten events. All weak signal modes for this event include: FT/JT/JS8/JS8CALL and any future weak signal mode. No repeater, cross-mode or cross-band contacts allowed.

| | |
|---------------|----------------------|
| FT4 (28.180) | FT8 (28.074) |
| JT65 (28.076) | JS8/JS8CALL (28.078) |

Entry categories: QRP – Maximum 10 watts output.

Low Power – Maximum 150 watts output.

Exchange: 10-10 members should send call sign, name, 10-10# and QTH (ST/Prov/Country). Received exchange should include normal exchange for FT/JT/JS8/JS8CALL modes and for extra points name, QTH and 10-10#. Scoring will be 1 point for contacts without a 10-10 number and three (3) points for contacts with a valid 10-10# exchange. NO MULTIPLIERS! 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 postponed until further notice.

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"/> WEAK SIGNAL |

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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