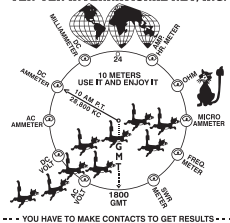


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**

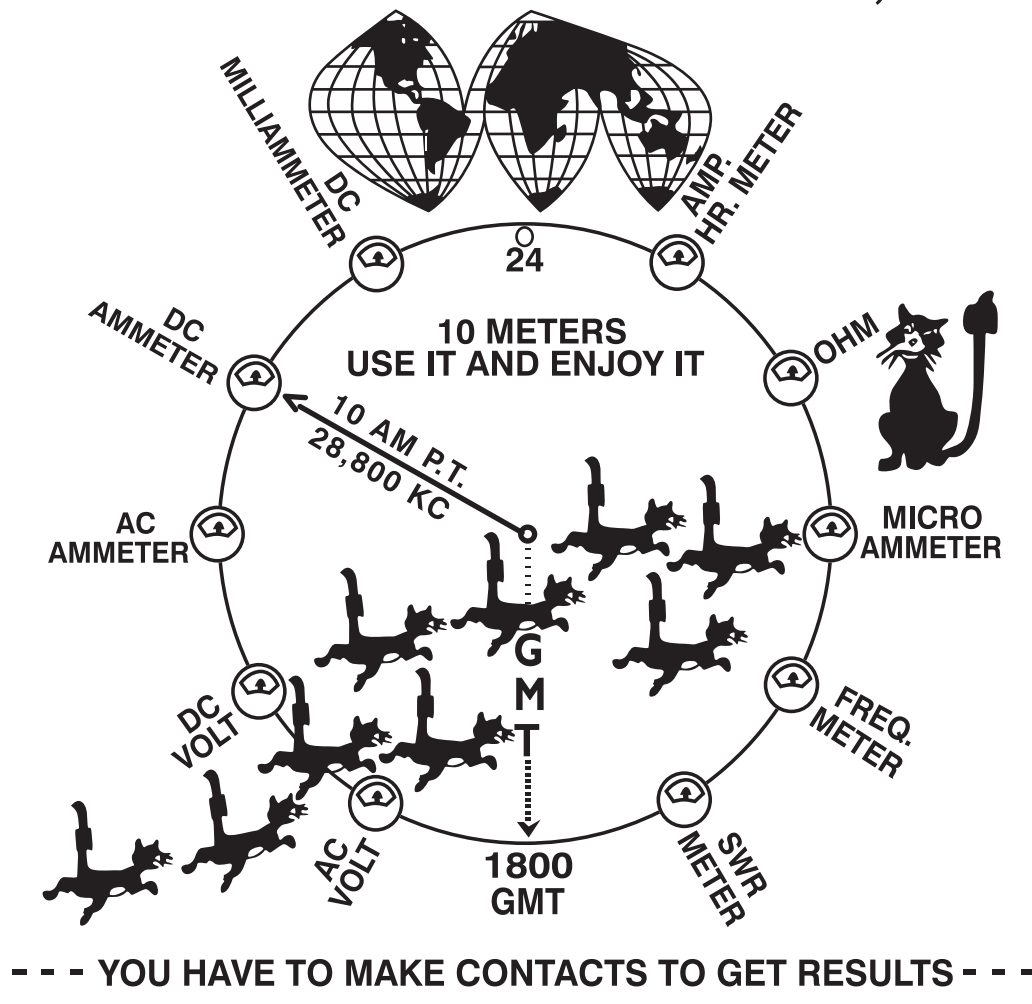


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The Ten-Ten International News

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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 June 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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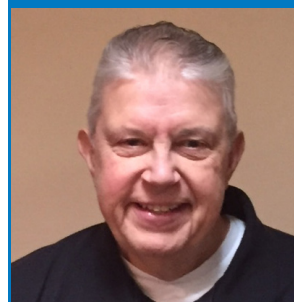
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From the Editor

Randy Mather, AJ7B
 (#7675)

Can't say I have been too impressed with cycle 25. I know. I have to show more patience. But knowing the cycle has started and we are supposed to be moving up from the minimum has filled me with anticipation. I listen on 28.380 and 28.800 MHz almost every day in hopes of at least hearing someone much less make contact. There are a few very informative articles in the April QST on cycle 25. You might want to give them a read.

Another significant change that is coming that I think needs covering in this newsletter is the rule change the FCC published in the federal register. That change, as it relates to us hams, has increased their application fee from \$0.00 to \$35.00. That means if you are going to go to a VE test session (new or upgrade), you will need to come with the VE fee (ARRL is \$15.00) for the testing and then make an additional \$35.00 payment to the FCC. If all you are doing is applying for a vanity call, or renewing your license, you only need to pay the \$35.00 to the FCC. Email changes, address changes and name changes are done for free.

The confusing part about this new rule is the date the new fee becomes effective. When rule changes are published to the Federal Register, that rule becomes effective 30 days after the published date. This new rule, was published on March 19, 2021. That means the rule will be effective on April 19, 2021. However, because this rule implements a fee change, they can't implement the increase until Congress is notified, the FCC's information technology systems and internal procedures have been updated. When that is all done, then the FCC will publish a notice in the Federal Register announcing the effective date. This will most likely be this summer. Those of you who may want to renew your license BEFORE the effective date, keep in mind you must be within 90 days of your license expiration.

Thanks Ten-Ten for the cup. I appreciate the gift and recognition. Keeping this newsletter filled with relevant information is a challenge. Like my expectations for cycle 25 that I referred to earlier, I have expectations that the regular columns in this newsletter will become longer (Chapter news, QSO Party results, and 10-10 awards) as 10-meter activity increases. However, my standard plea stands: please let me know if you have something that you think the readership would like to read about. I will help word-smith it if necessary.

Randy - AJ7B #7675



From the President

Mel Sojka KD5DE
#33513

UPPER-LEVEL QRM

This time last year, as I was composing the article for the News, little did I realize what 2020 would hold. I had just returned from a very successful Orlando Hamcat and was planning on the Dayton Hamvention and then the Texas Hamcom. After March 19 2020 all that began to change. All six of the Hamfests we were scheduled to attend were officially canceled. What started out as a contagious repository virus became a full-scale pandemic. So far, all 2021 major hamfests have been canceled. At least to the end of May. The pandemic has affected all aspects of our lives, including Amateur Radio.

At 343 days since the onset of the pandemic, there are over 112 million COVID19 cases reported and over 2.4 million lives lost due to this virus. The impact has reached 219 countries and has changed our lifestyle in ways that are yet to be understood. The reason I felt the need to mention it is that it has caused an increase in the number of amateurs worldwide. 10-10 has experienced growth since entry level amateurs here in the US have hf privileges on 10 meters. This has created a large pool of available amateurs for 10-10 membership. Several local chapters have seen an increase in their membership, including the one here in Northwest Louisiana. The Thursday evening net now has an average of 20 check-ins. This is nearly double the check-in from this time last year. With cycle 25 in its early stages, an overall growth in members is anticipated.

Last August the publication committee was expanded and tasked with doing a complete revision of the Operations Manual. This revision was to correct errors within the document and not to make changes requiring input from the Board of Directors. The revision operation was led by KC5ILO #72239. The committee members were K5BKT #64368, KG5RJ #26626, and NS6X #36639 with assistance from WA2SUH #407. The final read was made by our General Counsel KJ5SZ #77741. AD4RX #67754 started this review process in 2015, but because of the multiple word processors used over the years in creating the document, a complete page by page revision would be a real challenge. The Word 97 format is now the accepted format for this document. Many areas had to be converted to a table format to accommodate the

stipulation. The committee reviewed two sections at a time and covered all 39 pages. This was a tremendous effort and we owe this committee a thank you for their efforts. This revision is not the end of the process. As we evolve as an organization, this document will require adjustments.

The Winter SSB QSO Party was a treat. For the first time in 5 years there was a bit of a thrill in the event. You had to have a score of 129 points to make the top ten. Sixty-eight individual logs were submitted and many listed more than 100 contacts during the event. A local here made 122 and a station near Baton Rouge using a vertical antenna was able to make 73. I received comments from many members who did not realize there were openings. All they did was check .074 for FT8 from time to time. I personally believe that as the cycle improves, FT8 activity will be overshadowed by SSB and maybe even CW activity. I would much rather work you instead of your computer.

There is a part of the weak signal realm that is interesting and that is WSPR. I have recently been running WSPR using an FT817nd at 2 watts and have been heard all over the eastern half of the US. I have long been active in the QRP realm using this power level on CW, but band conditions have to be good enough to log QSOs. It seems that no matter how poor the band, the WSPR signal gets thru. Of course, there are no personal perks in this mode. You are simply reporting. Still, this is amateur radio at the discovery and experimental level. You will learn more about actual band conditions by trying to make contacts rather than just listening.

We had an event recently that has made me wonder about amateur radio today. I woke up one morning to an outside temperature of 1 degree. Close to an all-time record for Northwest Louisiana. This was followed by an ice storm, then 3 inches of snow, and to add to the thrill, another blanket of ice. This shut the city down for a week. The power outages meant many of the city water pumps stopped running, resulting in low water line pressure causing pumps and mains to freeze and even burst. This event affected millions in East Texas and Northwest Louisiana. At this time, 10 days into the event, there are water issues all over the region.

You might ask, is this Amateur Radio related? The answer is yes. Around 37 years ago we had a similar event that shut down the city for several days with 5 inches of snow. On day one, just about sundown, I got a phone call and went out with a 4X4 club as a communications source on 2 meters. We carried city officials, dialysis patients, and nurses to their destinations. This continued for several days until things were back too normal. Similarly, during several tornado events I got a simple phone call and out I went to assist in anyway needed. We did not have cell phones, internet, or several federal agencies involved. Two local ham clubs, Civil Defense, Red Cross, rescue mission, and Salvation Army were the resources. True, I had heard of ARES, but never met any of the officials. This type of emergency response continued at least until August 2005

when we became active by a single phone call during Hurricane Katrina, and I handled more traffic than I want to talk about. Now to the point, what happened in this recent event? Nothing locally. Is this the case everywhere? Has Amateur Radio become totally digital? Is making contacts via the digital modes, and all the new VHF and UHF modes what we are. If this has become the case, then no wonder antenna restrictions have come into play. If the general public does not view amateur radio as an asset, our future seems quite dim. I realize that in some parts of the world where weather is a constant issue, there are Amateur groups that are organized on a nearly permanent basis. But what about these rare events that cause so much damage. Maybe my concern is not a reality, but what happens next time?

God Bless & 73
Mel KD5DE #33513

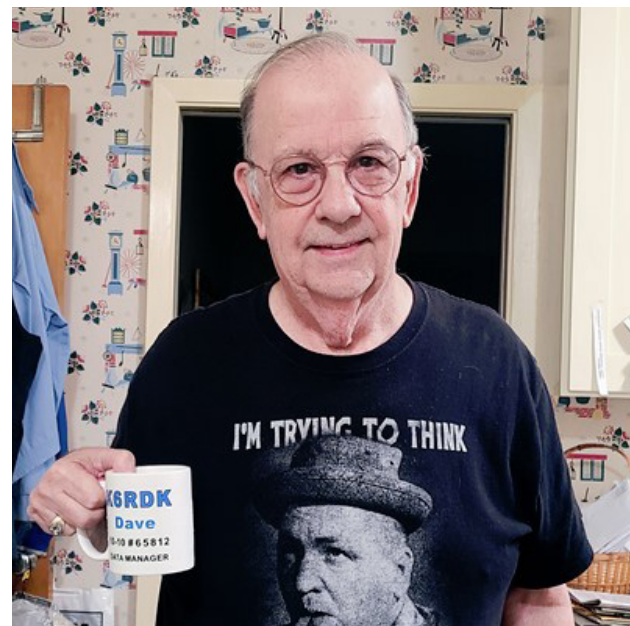


*Were you first licensed 25 years ago
and licensed today?*

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

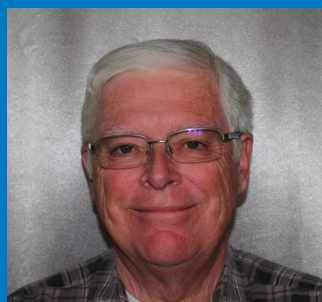
To Join or Renew, Visit:
<http://www.qcwa.org/join-renew.php>

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



A Ten-Ten international Net cup was awarded to our Data Manager (David K6RDK #65812) and Editor (Randy AJ7B #7675) for their outstanding efforts in keeping membership levels and interest up during the bottom of the cycle.

Mel KD5DE #33513



Chapter Coordinator

Jim Fox, KA0ZPP
(#43428)

GENERAL NEWS

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

2) If your chapter is planning a special during the months of July, August or September, please let me know before May 31st so I can include the details in the June newsletter.

3) Reminder of Quarterly Reports Due: **In Extremis** (no report in over a year): Colorado Centennial/Frontier Gang, Cradle of the Confederacy, Down Under. Past Due (no report received during the prior quarters when due): Route 66, Speedway. Reports received after February 28 (date of this report) are not included here and will be acknowledged in the Chapters section of the 10-10 website.

Chapter Reports **Due during second quarter:** Major League Baseball (May), New Mexico Mud Ducks (April). 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.

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 will ease later this year, and regular meetings can resume.

2) The **Neanderthal Chapter** has gone **QRT** following the death of CM Nick, PA2NJC. Werner, DH1PAL, still runs an informal net on 28355, Sundays at 1400Z, but not as the Neanderthal chapter. We would be happy to have them back should they decide to reaffiliate. We will all miss the little "mascot" that always showed up at conventions. Special thanks to Henry, DL8YBM/NT8Q, for passing on this information.

3) I regret to report that **Channel Islands** has been declared **disaffiliated**. They have not filed a Chapter Report since 2017 and I have received no reports of chapter net activity.

4) **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.

5) **Cincinnati Area Ten Tuners (CATT)** sadly reported the passing last fall of two long-time members: Bill, W8PJY (10X 14574) was net control for more than 30 years, and John, W8JAQ (10X 9406), was one of the chapter's founding members.

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

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

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

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

Gold City – CM K4QHH, rabisch@hotmail.com

Hanse – CM DL5HAN, dl5han@t-online.de

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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 March 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	0100	0200	Cincinnati Area Ten Tuners	Milan, IN	28430
SUN	1300	1400	Arlington	Arlington, VA	29200	WED	0100	0200	Houston SHOT	Houston, TX	28488
SUN	1630	1730	Possum Trot	Raeford, NC	28345	WED	1400	1500	EU DX/Branding Iron/Hanse	Bergamen, DL	28355
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380	WED	1700	1700	Gold City	Rutherfordton, NC	28425
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	WED	1930	1930	Route-66	Boonville, IN	28370
SUN	1930	1930	North Georgia	Atlanta, GA	28410	THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350
SUN	2030	2030	Santa Fe Trail	Galesburg, IL	28345	THU	0100	0200	Gateway	St. Louis, MO	28650
SUN	2100	2200	Possum Trot	Raeford, NC	28150	THU	0100	0100	Cow Town	Arlington, TX	28460
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	THU	0230	0230	Windfarms	Livermore, CA	28450
MON	0100	0100	Lonestar	Arlington, TX	28460	THU	0230	0330	Up The Crick	Eugene, OR	28450
MON	0130	0230	Bauxite	Benton, AR	28470	THU	1930	1930	Speedway	Rainer, OR	28350
MON	1630	1730	Chief Seattle	Seattle, WA	28430	FRI	0001	0100	Fort McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370
TUE	0001	0100	Ft McHenry/ Cornerstone/Yodar Kritch	Arbutus, MD	28370	FRI	0001	0100	Steamboat Plus	Shreveport, LA	28430
TUE	0100	0200	CO Centennial/ CO Frontier Gang	Lakewood, CO	28340	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0100	0200	City of Lights	St Charles, IL	28150	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530
TUE	0130	0230	City of Lights	St Charles, IL	28720	SAT	1510	1610	Louisiana Pelican	Baton Rouge, LA	28450
TUE	0130	0230	Bauxite	Benton, AR	28470	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0200	0300	10 Bar X	El Paso, TX	28445	SAT	2200	2200	Alii	Lihue, HI	28730
TUE	0300	0400	Bay Area	Hayward, CA	28475 CW	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0430	0430	Aloha	Hilo, HI	28490	SAT	2200	2200	Alii	Lihue, HI	28730
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835						
WED	0001	0100	Castle Craig	Meriden, CT	28375						



DX News

Mike Davidson, N5MT
(#24949)

I hope all 10-10 members have survived the record cold we had in February and avoided the C-19 virus. I had my second vaccination a few days ago so I should be covered.

The Winter DX season has been under way for a few months and there has been only a little Ten meter activity on the radio. The Sun had a lot of spots during December and then it calmed down the past two months with a few new Sun spots observed, yielding a Solar flux in the low 80's, and then lower into the 70's again for poor Ten meter propagation. But a few members did work into Europe and Asia the past three months, so keep the radios on and keep looking.

I believe the ARRL Ten Meter contest scores were below average even with the higher solar flux we had during December. My log had less than 90 contacts on SSB all weekend. In the 10-10 Winter QSO Party in February, I only had 73 contacts and took 11th place, of the eighty entries submitted. I did find ten new members during the QSO Party that went into my log, and I had to wait until Sunday to talk out of Louisiana as the flux was low for the QSO Party. The scores are now posted on the website.

With the good news that Solar Cycle 25 had started last year, we were glad to have a higher solar flux in December. But then, the Sun took a nap in the first two months of the 2021. You need to stay on the radio and call CQ to see what you can find. You can use FT8 with no prop on SSB and you might find stations to work on FT8 when SSB is closed. At my station in February, we had a single digit freeze that put a lot of ice on the HF vertical antenna but it worked even when it was iced, just some extra SWR to warm up the antenna.

It is now over five years since I last heard a new 10-10 country on Ten. As a result of the present virus pandemic, poor propagation, and a bunch of ops not traveling far to operate DX, my news reporting has been reduced by 85 percent. So try to find that rare 15 percent that may be giving out a CQ on Ten. I recently worked five new DX stations on FT8 but no 10-10 members. I just worked ZL3IO #22401 in New Zealand a few days ago on Ten on FT8.

Please remember to submit your ARRL QSO logs to the LoTW database at the ARRL website. Once you get the ARRL certificate for LoTW, and using the

LoTW app, you can upload your logbook anytime into the database. You must use the DXCC security rules required by the ARRL for all LoTW activity. The only cost is when you apply for an ARRL award using your LoTW contacts for DXCC or WAS.

Use the 10-10 website for all the award rules and if you qualify for a 10-10 award, you must fill out your 10-10 application form available on the website and send it to the 10-10 awards person as listed or listed in the 10-10 News. Remember, at the present time there is no award cost and no QSL cards are required for all of our awards BUT you must have paid your 10-10 dues.

Remember, the US Post Office is still not accepting some Airmail letters for many countries as of the end of February 2021. Sending an airmail QSL will cost several US dollars to get a QSL card, so reduce your cost by using the LoTW system or the 10-10 awards. The 10-10 Countries Award Manager does follow most of the ARRL award rules.

But you must have swapped your Callsign, Name, State and 10-10 number over the air on Ten, to record that members information for ALL 10-10 award application. So the honor system does apply for all contacts on all 10-10 awards.

At the start of the new 2021 year, I reset my computer logbook to zero contacts and moved the previous year log into my archive file. I talked with 60 new 10-10 members last year. I do this yearly maintenance to keep a record of my progress with DXCC and the 10-10 countries.

Most of my contacts this past year were either on SSB or FT8. Some members are learning to use the TX5 tab to enter their 10-10 info in FT8. All you need to do is setup the TX5 tab to send the maximum 13 characters with the info you have saved in TX5. So type into the TX5 macro: a 4 character name, a space, your five digit ten-ten number, a space and your two character state abbreviation that you will send during a FT8 QSO. If your name is longer, either use a short nickname or make two TX5 messages to transmit your info to complete the 10-10 contact. See the 10-10 website for a help video on FT8.

I keep the 10-10 DX records with my job as the Countries Award manager. As of March 2021, there remains 22 countries that have never been worked for 10-10 country credit. They are as follows: 5R Madagascar, 9N Nepal, 9X Rwanda, 4O Montenegro, A7 Qatar, AP Pakistan, BS7

Scarborough Reef, EP Iran, FR/R Reunion, FR/G Glorioso, FR/W Crozet, HV Vatican, JX Jan Mayen, R1FJ Franz Josef Land, TN Congo, SY Mt Athos, VK0H Heard Isl., VK0M Macquarie Isl., VP8/S So. Shetland Isl., VU7A Andaman Isl., VU7L Laccadive Isl., and XU Cambodia.

I predict there will never be a 10-10 member operate from some of these remaining DX countries! Places like Scarborough Reef, the Vatican, and

Mount Athos, have little DX activity. Scarborough Reef BS7, is in the South China Sea and ownership of the reef is disputed. The Vatican club station HV0A in Rome, is not a member. The only ham operator at Mt. Athos is not a member. The French islands are a mix of military restrictions, and permission to operate ham radio is not easy to get. But a French member could get permission to operate, which would be a rare event. However you can go to Reunion Island and get a license and operate as a 10-10 visitor. Some islands have travel restriction, some have no airport and others only have access by ship, like the uninhabited islands, Heard Island, Mellish Reef and South Shetland Islands. The islands off India have no resident hams and a DXpedition is infrequent but possible for a member to travel to and operate in the future.

I promise to keep reporting DX news that I find from my sources and sending out an email if a DX group pops up. Use your station to find someone new, log it, and remember a new one does not have to be on Ten. Best of luck this coming Spring season, stay safe and lets hope for fewer hurricanes to make landfall in Louisiana this year.

Countries Award: There were no Countries Award applications submitted this past quarter. The DXCC Most Wanted list has not changed in months and it can be found at: <https://Secure.Clublog.org/mostwanted.php>.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

4U United Nations. The remote ham radio station 4U1UN #55555, in the New York UN building was last on Ten using FT8 in July 2020 and no activity on Ten the past 7 months. I just found out their Steppir antenna has a problem.

DP1 Antarctica. Felix **DL5XL** #55519, is now back in Antarctica with the German Polar Institute. Felix and Theresa DC1TH, who is not a 10-10 member, will operate the club callsign DP0GVN. So if you need a 10-10 from Felix, you must find him and swap a 10-10! There has not yet been any activity from the club station this year on Ten. LoTW.

HP Panama. Steve **HP9SAM** #75838, tries to operate on Ten when the band is open. Steve tries to check-in to our local net on Saturday on 28450 MHz at 1610 UTC when possible. Steve is not receiving DX mail, its blocked in Panama, so wait until they resume accepting mail.

KH0 Mariana Islands. Tom **KC0W** #67688, has a new club call KH0W for the Saipan CW Club. The club call KH0W is not a 10-10 member. So find Tom for his 10-10. There was little CW activity from the club on Ten last year and none as of yet this year.

J2 Djibouti. Rene **DL2JRM** #69623, was issued call J28XX from Djibouti. I have no reports for him the past nine months on Ten. This is a rare location so

good luck.

P4 Aruba. John **W2GD** #14109, was back in Aruba in December 2020 using the call P40W but no Ten meter reports in the past three months. LoTW.

V7 Marshall Isl. / Kwajalein. Randy **KX4QD** #58874, has been on the air for a year from his home station where he operates low power with FT8 as V7/KX4QD. At the club station, call **V73AX** #8239, there is a big amp and antennas.

ZL New Zealand. Holger **ZL3IO** #22401, was on Ten and we worked on FT8 at the end of February. LoTW.

UPCOMING DX & NEW 10-10 ACTIVITY:

FP St. Pierre & Miquelon. Eric **KV1J** #31247, will be using call FP/KV1J from June 29th to July 13th. All bands and modes and FT8. LoTW.

James **WB2REM** #48365 and Mike **W0VTT** #14404, will be using call TO5T from August 8th to 16th. All bands and modes and FT8. Club log or QSL to WB2REM.

J6 St. Lucia. Bill **K9HZ** #2618 and Kyle **WA4PGM** #50763, will be in St. Lucia from March 2nd to 11th using call J68HZ with friends. Kyle call is J68CN.

LX Luxembourg. Andy **LX1DA** #50458, will be using the special callsign LX40DA. Look for Andy from February 1st to March 31st and September 1st to December 31st. I saw no reports for him on Ten but lots on other band.

PJ2 Curacao Island. Andreas **DK5ON** #54260, will be on Curacao using call PJ2/DK5ON from March 4th to 23rd. He will be on all bands and modes plus FT8. LoTW.

Vincent **K4JC** #72779, will be on Curacao from March 1st to 9th with friends. Call PJ2T in the SSB contest. LoTW.

VP6 Pitcairn Island. Miralda **VP6MW** #50434, is back on the radio the past two months but not on Ten. I have no info if she has a Ten meter antenna available to use.

MISCELLANEOUS ITEMS & NOTES:

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

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

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

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

Propagation: I expect the solar flux to range from 72-85 during the Spring which will be a slow rise during the new cycle! The 2021 Spring Equinox is on Saturday March 20th. Spring starts in the northern hemisphere that day and

the Sun is above the equator giving everyone equally 12 hours of daylight and night time. There have been 25 solar cycles recorded since the records began in 1755. Cycle 25, started in October 2019 and the Sun was real active in December but now has quieted down with a slow rising flux. NOAA verified the cycle low and declared the new cycle had started. NOAA forecasts a solar flux max of 125 about winter of 2024. Sunspots are counted by looking at the sun. Solar flux is measured by radio at 2.8 GHz.

The monthly maximum solar flux in 2020-21: Jan 72, Feb 71, March 70, April 70, May 69, June 73, July 73, Aug 75, Sept 69, Oct 88, Nov 115, Dec 115, Jan 81, Feb 81 .

The monthly minimum flux in 2020-21: Jan 70, Feb 70, March 69, April 69, May 66, June 67, July 68, Aug 69, Sept 67, Oct 71, Nov 75, Dec 82, Jan 73, and Feb 70.

On March 1st, the solar flux was 77, the A index was 6 and K index was 2. The slow increases of sunspots are not producing as much solar flux this month as what occurred in December last year. The USAF solar flux forecast for March 1st to April 14th is from 70 to 78!

My Prediction: Over the next three months, the best conditions on Ten could be: March 23-26th, April 26-29th, May 23-27th and June 25-29th. For the USA, expect a 20% chance of DX to Europe or Asia with a 70% 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 no new 10-10 DX members joining from December to February 2021. This DX News edition is my number 123rd of DXing reports.

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

DX IS! 73 Mike Davidson N5MT #24949
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NEW LIFE MEMBERS

07010	WB4WXE	Howard A Sine	GA
09815	W4OX	Douglas A McDuff	FL
44956	W6PC	Mark S Allen	AR
53524	K3BQ	David C Whitham	PA
53568	KB9CWU	Robin R Loucks	IN
69422	WØVKW	James R Ervin	MO
71845	W3OJO	Joseph A Holler	NC
77206	AK2G	Thomas Linke	NY
77846	KD2NF	Jerry Haegele	NC
77847	WBØIIS	George A Schindler	MO
77859	W3MPG	Rod Bish	PA
77866	N2MC	Michael V Corentto	NY
77874	K9WOC	Cheryl M Riede	WI

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. wi5.be@gmail.com.

73 Dennis Stice WI5V #35806

IARU Region 2 HF Beacon Coordinator

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

ARTICLES

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



Net Report

Bob Farrow, N6OPR
(#45715)

Net Report for 4th Quarter 2020

Monday Nets

28.380 MHz			28.800 MHz		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
5-Oct	7	1	5-Oct	5	0
12-Oct	8	2	12-Oct	5	0
19-Oct	7	1	19-Oct	5	0
26-Oct	7	0	26-Oct	5	0
2-Nov	12	1	2-Nov	4	0
9-Nov	11	1	9-Nov	4	0
16-Nov	13	1	16-Nov	5	0
23-Nov	33	14	23-Nov	6	0
30-Nov	21	1	30-Nov	3	1
7-Dec	12	0	7-Dec	5	0
14-Dec	11	0	14-Dec	6	0
21-Dec	21	9	21-Dec	6	0
28-Dec	10	0	28-Dec	5	0

Tuesday Nets

28.380 MHz			28.800 MHz		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
6-Oct	8	1	6-Oct	XX	0
13-Oct	8	0	13-Oct	XX	0
20-Oct	10	0	20-Oct	XX	0
27-Oct	8	0	27-Oct	XX	0
3-Nov	8	0	3-Nov	XX	0
10-Nov	10	0	10-Nov	XX	0
17-Nov	9	0	17-Nov	XX	0
24-Nov	9	0	24-Nov	XX	0
1-Dec	14	3	1-Dec	XX	0
8-Dec	7	0	8-Dec	XX	0
15-Dec	11	0	15-Dec	XX	0
22-Dec	9	0	22-Dec	XX	0
29-Dec	10	0	29-Dec	XX	0

Wednesday Nets

28.380 MHz			28.800 MHz		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
7-Oct	7	0	7-Oct	XX	0
14-Oct	10	0	14-Oct	XX	0
21-Oct	10	0	21-Oct	XX	0
28-Oct	10	0	28-Oct	XX	0
4-Nov	10	0	4-Nov	XX	0
11-Nov	10	0	11-Nov	XX	0
18-Nov	12	1	18-Nov	XX	0
25-Nov	42	11	25-Nov	XX	0
2-Dec	15	1	2-Dec	3	1
9-Dec	11	1	9-Dec	4	1
16-Dec	11	0	16-Dec	3	0
23-Dec	20	4	23-Dec	4	1
30-Dec	13	1	30-Dec	5	1

Thursday Nets

28.380 MHz			28.800 MHz		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
1-Oct	9	2	1-Oct	2	0
8-Oct	9	1	8-Oct	3	0
15-Oct	9	1	15-Oct	2	0
22-Oct	9	0	22-Oct	3	0
29-Oct	9	0	29-Oct	3	0
5-Nov	9	1	5-Nov	4	2
12-Nov	8	0	12-Nov	5	2
19-Nov	7	0	19-Nov	4	2
26-Nov	23	7	26-Nov	7	4
3-Dec	10	1	3-Dec	3	1
10-Dec	11	1	10-Dec	4	0
17-Dec	10	0	17-Dec	2	0
24-Dec	8	0	24-Dec	3	0
31-Dec	17	0	31-Dec	3	0

Friday Nets

28.380 MHz			28.800 MHz		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
2-Oct	4	0	2-Oct	9	0
9-Oct	4	0	9-Oct	13	2
16-Oct	4	0	16-Oct	5	0
23-Oct	4	0	23-Oct	7	0
30-Oct	4	0	30-Oct	9	0
6-Nov	4	0	6-Nov	12	1
13-Nov	4	0	13-Nov	11	0
20-Nov	4	0	20-Nov	10	0
27-Nov	XX	XX	27-Nov	11	0
4-Dec	4	0	4-Dec	9	0
11-Dec	29	9	11-Dec	10	0
18-Dec	4	0	18-Dec	7	0
25-Dec	0	0	25-Dec	0	0

Saturday Nets

-----28.380 MHz -----			-----28.800 MHz -----		
DATE	TOTAL	NO 10#	DATE	TOTAL	NO 10#
3-Oct	XX	0	3-Oct	XX	0
10-Oct	XX	0	10-Oct	XX	0
17-Oct	XX	0	17-Oct	XX	0
24-Oct	XX	0	24-Oct	XX	0
31-Oct	XX	0	31-Oct	XX	0
7-Nov	XX	0	7-Nov	XX	0
14-Nov	XX	0	14-Nov	XX	0
21-Nov	XX	0	21-Nov	XX	0
28-Nov	8	3	28-Nov	XX	0
5-Dec	6	3	5-Dec	XX	0
12-Dec	5	1	12-Dec	XX	0
19-Dec	5	0	19-Dec	XX	0
26-Dec	2	0	26-Dec	XX	0

XX NO NET CALLED

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)	Terry N0TW	#36547	FL
Fri (28.800)	Tim, K1IEB	#74965	AZ
Sat (28.380)	Mike, KF4WKY	#70191	NC
Sat (28.800)	Open. Contact Bob N6OPR for info		
Alternate	Louise, N6ELK	#36654	CA
Sunday	NEVER ON SUNDAY		

NET CONTROL STATIONS NEEDED

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

THE AMATEURS CODE

by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

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

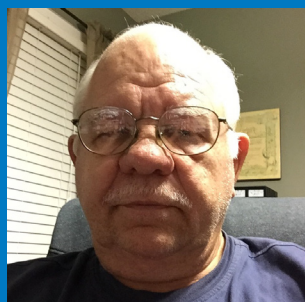
LOYAL..... offering loyalty, encouragement and support to other amateurs, local clubs and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.

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

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

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

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



QSO Parties

Dan Morris, KZ3T
(#41015)

2021 WINTER SSB QSO PARTY

Feb 6 - 7

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N1API	25468	107	101	315
2. DL8YBM	36109	47	182	276
3. NC0B	74875	63	126	252
4. KM4ODS	77504	75	84	234
5. W5SUM	2019	66	56	188
6. N3GTY	50585	60	47	167
7. WA2CNV	65510	52	57	161
8. KI4W	62657	59	31	149
9. N6OPR	45715	47	40	134
10. WO4ROG	77815	51	27	129

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
NC0B	74875	63	126	252
KA0HZP	31562	14	4	32
W0RTV	13962	14	0	28
N0CUN	33031	8	1	17
KB0ARZ	48754	3	0	6

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	107	101	315
N1DFD	65460	42	39	123
W1RPG	45128	37	17	91
N1ZN	73599	36	18	90
W1AST	31324	28	18	74
WA1TRY	76786	26	6	58
N1JW	8993	12	2	26
AI1G	77223	9	2	20
W1IG	43006	4	1	9
N1YKH	70147	4	0	8

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2CNV	65510	52	57	161
WA2SUH	407	32	23	87
WC2Y	76481	17	12	46
WA2HMM	40510	1	1	3

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
K3TC	33876	28	54	110
N3ZP	35186	8	3	19
KA3UIH	55744	5	0	10

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KM4ODS	77504	75	84	234
N3GTY	50585	60	47	167
KI4W	62657	59	31	149
WO4ROG	77815	51	27	129
WB4WXE	7010	41	32	114
N4ZCG	56067	41	26	108
K4FET	77603	43	13	99

CALL AREA 4 (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
W4MLW	65162	32	9	73
KK4MCY	77124	31	8	70
K4PGM	77579	32	6	70
N0TW	36547	23	22	68
AK4YS	75328	28	5	61
KF4JDR	77817	26	4	56
N4USB	77730	24	7	55
KJ4RV	37776	20	4	44
AF4LL	71872	12	20	44
K4YFH	26701	18	6	42
KK4AMR	76031	17	4	38
N1XL	68798	13	6	32
WB4ABY	77791	10	9	29
N4ERM	34524	11	2	24
KI4YRH	75352	10	1	21
K3IRV	69236	3	0	6
KM4VI	51453	2	1	5

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
W5SUM	2019	66	56	188
N5MT	24949	53	20	126
KG5ZMQ	77628	39	13	91
KD5DE	33513	25	8	58
K5JAD	77778	12	7	31
KM5FF	50356	8	1	17
KI5KOI	77853	7	0	14
AD5IF	73372	4	2	10

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	6	5	17

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
N6OPR	45715	47	40	134
K7CWS	50288	24	18	66
N7QOZ	62599	5	2	12
N7QHC	59244	2	4	8

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	37	50	124
KE8PX	1954	16	8	40

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
NA9A	31121	32	25	89
WA9LJK	70789	6	15	27
KC9EOQ	74609	13	0	26
KC9TQU	77157	11	3	25
KA9JCP	50609	7	5	19
K8CTM	77275	4	3	11
W9ROG	67454	2	3	7

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
K4YFH	26701	18	6	42
AD5IF	73372	4	2	10
W1IG	43006	4	1	9

COUNTRY ENTRIES**GERMANY**

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	47	182	276
DL6DK	39944	28	21	77

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	107	101	315
KM4ODS	77504	75	84	234
N3GTY	50585	60	47	167
WA2CNV	65510	52	57	161
KI4W	62657	59	31	149
WO4ROG	77815	51	27	129
N1DFD	65460	42	39	123
K3TC	33876	28	54	110
N4ZCG	56067	41	26	108
K4FET	77603	43	13	99
N1ZN	73599	36	18	90
WA2SUH	407	32	23	87
W4MLW	65162	32	9	73
K4PGM	77579	32	6	70
AK4YS	75328	28	5	61
KD5DE	33513	25	8	58
WA1TRY	76786	26	6	58
KF4JDR	77817	26	4	56
N4USB	77730	24	7	55
WC2Y	76481	17	12	46
KJ4RV	37776	20	4	44
AF4LL	71872	12	20	44
KE8PX	1954	16	8	40
KK4AMR	76031	17	4	38
KA0HZP	31562	14	4	32
N1XL	68798	13	6	32
WB4ABY	77791	10	9	29
W0RTV	13962	14	0	28
N1JW	8993	12	2	26
KC9EOQ	74609	13	0	26

LOW POWER (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
KC9TQU	77157	11	3	25
N4ERM	34524	11	2	24
KJ0D	15917	7	7	21
KI4YRH	75352	10	1	21
AI1G	77223	9	2	20
KA9JCP	50609	7	5	19
N0CUN	33031	8	1	17
KM5FF	50356	8	1	17
AB6QM	63114	6	5	17
KI5KOI	77853	7	0	14
N7QOZ	62599	5	2	12
K8CTM	77275	4	3	11
KA3UIH	55744	5	0	10
N7QHC	59244	2	4	8
N1YKH	70147	4	0	8
W9ROG	67454	2	3	7
K3IRV	69236	3	0	6
KB0ARZ	48754	3	0	6
KM4VI	51453	2	1	5

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	47	182	276
NC0B	74875	63	126	252
W5SUM	2019	66	56	188
N6OPR	45715	47	40	134
N5MT	24949	53	20	126
K8DEL	2978	37	50	124
WB4WXE	7010	41	32	114
W1RPG	45128	37	17	91
KG5ZMQ	77628	39	13	91

HIGH POWER (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL
NA9A	31121	32	25	89
DL6DK	39944	28	21	77
W1AST	31324	28	18	74
KK4MCY	77124	31	8	70
N0TW	36547	23	22	68
K7CWS	50288	24	18	66
K5JAD	77778	12	7	31
WA9LJK	70789	6	15	27
N3ZP	35186	8	3	19
WA2HMM	40510	1	1	3

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
POSSUM TROT	18	1547
CASTLE CRAIG	6	812
BRANDING IRON	4	706
STEAMBOAT	6	440
CATT	3	387
LOUISIANA PELICAN	2	252
MLB	1	134
CITY OF LIGHTS	2	115
GATEWAY	4	102
ARIZONA DESERT	1	66
NM MUD DUCKS	1	17
HOUSTON SHOT	1	10

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
W1NRG	29650	107	101	315	N1API
DF0IA	68914	47	182	276	DL8YBM
NZ4FF	77686	60	47	167	N3GTY

CLUB ENTRIES (CONT.)

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	53	20	126	N5MT
DL0BIC	77526	28	21	77	DL6DK
W5RRV	42114	25	8	58	KD5DE

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
K6MQ	71487	47	40	134	0
KA4TLC	31262	35	15	85	0
KE8BKP	0	20	17	57	0
WT2P	0	0	53	53	0
KC6MIE	57251	7	16	30	0
KC2JRQ	0	5	3	13	0
KA4CZL	36435	6	0	12	0
K4DOM	66834	6	0	12	0
K5TNL	0	5	1	11	0
KD9OIN	0	1	0	2	0
K6FGV	0	1	0	2	0

2021 Ten-Ten QSO Party Schedule

Event	Dates	Postmark
Winter Phone	Feb. 6-7	Feb. 16
Spring Digital	April 24-25	May 3
Spring CW	May 1-2	May 10
Open Season	June 5-6	June 14
Weak Signal	Jul 10-11	July 19
Summer Phone	Aug. 7-8	Aug. 16
Sprint	Oct. 10	Oct 18
Fall CW	Oct. 16-17	Oct. 25
Fall Digital	Nov. 13-14	Nov. 22

10-10 International Net, Inc. - 2020 Scholarship Winners



Colin Pike KJ4AXB

My name is Collin Pike KJ4AXB from Roanoke, Alabama, and I would like to thank 10-10 for awarding me your scholarship. My amateur radio career started many years ago. When I was seven, my dad gave me his amateur radio book, *The World of Ham Radio*, to study for the novice test. It was very similar to the books we have today, except the questions were at the back, which means the front was all the theory behind ham radio. After failing many tests, I made the book disappear in a fire and stopped studying at ten years of age.

In 2007, I attended my first Field Day in another attempt to get interested in ham radio.

When I attended the Randolph County Amateur Radio Club Field Day, I finally found the part of ham radio I liked, which was the hunt for stations on HF. Without using a phone, I found that I could communicate with ham operators worldwide and started my spiral into the World of Ham Radio. I began taking classes with the local radio club and passed my Technician test in December of 2007. At the age of thirteen, I started using my dad's callsign to make contacts on the local repeater while waiting for my callsign to come from the FCC. I soon noticed that I was greatly limited to the contacts I could make. What does any teenager do when faced with a wall? I started studying and taking classes for the General Class test. I passed the General test in October of 2008; when I passed that test, I began looking for my first HF rig. I noticed that the equipment was costly, so I was forced to wait and continue looking for the right radio for me.

I found my tuner, AT-897, in Mississippi after Hurricane Katrina hit the Gulf Coast. I found it with an excellent Elmer, who gave me the tuner for about thirty dollars because he did not know if it would work after being in the salty atmosphere that came after the Hurricane. I found the radio, FT-897D, itself from a hamfest in north Georgia; when the guy heard my story, he lowered the price of the radio from somewhere in the around a thousand to, if I remember right, five hundred dollars with all the bells and whistles that come with the radio. I then found my antenna at the Cullman hamfest, a Buddipole. These guys and their generosity helped me begin to help with communications during tough times around the world. I remember listening and helping with the relief in Haiti, and when the earthquake hit Chile.

Since passing General, I have helped in many bike rides, helping with multiple causes such as Multiple Sclerosis and cancer. I have now helped with the Dayton Hamvention for three years with communication and golf carts to help

people get around the convention. In 2011, I passed my Extra test to help with the volunteer examiners. In 2019, I successfully finished my Bachelor's degree in Software Engineering, and in 2020 I finished my Master's in Cybersecurity, both from Auburn University. I have just started working for the U.S. Government. I am still very active with the ham radio community, and if you hear my callsign, please respond and I would be glad to speak to you.



Marty Sullaway NN1C

Marty Sullaway NN1C is a 19-year-old radio aficionado living in Waban, Massachusetts and is very grateful for being awarded the 10-10 Scholarship. A lover of all things technical, his time in amateur radio has been spent designing and selling station automation hardware, teaching licensing classes and pushing the limits in remote contesting. While he has a modest station at home consisting of various wire antennas, the majority of his operating happens at other stations. Marty has been extremely fortunate to have had the opportunity to pilot many larger contest stations, both as a single

operator and as part of multi-operator teams. He has operated at stations such as ZF1A, W1KM, KC1XX, K3LR, K1LZ, K1VR, K1IR, 4X6TT, and VY1AAA. Most operating recently has been with the KC1XX team, with some activity from ZF1A. Marty enjoys digital, CW, and SSB operations, and is a proud life member of CWOps, #2276.

His family is also involved in ham radio. His mother is KC1LDK and his sister is KC1IDH.

Recent contest success includes #1 Zone 8 in CQ WW SSB 2020 and winning both modes of ARRL DX and the IARU contest operating Single-Op Low Power Unlimited. Marty currently works in mmWave multistatic radar research and enjoys developing products for the amateur radio community. He currently sells SO2R Mini, a low-cost single op two radio control device, and has sold several hundred units (so2r.org).

Marty is a frequent digital content producer in amateur radio, acting as a frequent amateur radio club speaker, podcast guest, and has been published in *The National Contest Journal* as well as *CQ Magazine*, and various other media channels. Marty is currently a freshman at Northeastern University in Boston, Massachusetts, where he is pursuing a BS in Electrical and Computer Engineering. In addition to the interests described, he is working toward his pilot's license and does design work for Northeastern's electric powered racing team.

10-10 International Net, Inc. - 2020 Scholarship Winners



Christopher Dix W3CJD

I am Christopher Dix, W3CJD from Denville, New Jersey. It is an honor to be chosen as a scholarship recipient from 10-10 International. I was very excited to learn that I was selected for this award, and I am writing to thank you for your generous financial support of my education. Over the past two years, I was able to start my college education through a dual-enrollment program offered at a local community college. I spent my junior and senior years of high school studying full-time at college while still taking Advanced Placement courses and managing two clubs at high school. This effort allowed me

to complete my Associate's degree alongside my high school graduation. My formal studies have been in Information Technology, more specifically focusing on cybersecurity. I am currently enrolled in a program at the New Jersey Institute of Technology which will allow me to further advance my skill set and specialize in cybersecurity, bridging the gap between my current knowledge and the requirements for entering the industry.

The current lockdowns and restrictions worldwide due to COVID-19 have certainly had a severe impact on all of our careers, hobbies, and personal lives. Facing this obstacle at a key crossroads in my life, I am working to use this time to invest into myself, both professionally and personally. The world situation forced me to reevaluate and change my education plans, and I am very fortunate to currently be in an all-online program that is well-taught and managed, allowing me to take valuable knowledge and experience away from my formal schooling. This extra time at home has also allowed me to become more active in the amateur radio hobby. I earned my General license this summer and was able to get an HF station on the air this fall. Perhaps, schedule allowing, I will now be able to participate in some of 10-10's nets and other activities. My first DX contacts were made on 10 meters using a portable station set up for Field Day in June, and, since then, I have been particularly interested in activity on that band. I was also able to get more involved in the public service aspects of amateur radio by devoting additional time to local ARES, RACES, and NTS groups, and by becoming a registered operator with Radio Relay International. We get more out of any endeavor by putting more effort into it, and this lockdown has given me the opportunity to devote more time to my various interests, letting me advance my knowledge and outreach.

Now more than ever, cybersecurity is a crucially important aspect of every organization's ability to carry out daily functions, and I thank you for investing in my education. Your contribution significantly reduces the financial burden which I face and will allow me to focus on working towards the experience and

certifications I need to launch my career. Thank you for seeing the potential in students like myself. In turn, I hope to use your support to help make myself a valuable member of both the cybersecurity industry and the amateur radio community.



Zechariah Lea WX4TVJ

My name is Zechariah Lea, WX4TVJ from Palm Coast, Florida and I would like to thank the 10-10 Scholarship Foundation for choosing me as a recipient of their scholarship. All my family members are hams; both my parents and my three sisters. I was first introduced to amateur radio at age 12 when my parents brought me to a local club station in 2014. I received my Technician license in early 2015 with the call KM4IBW, and by April the next year I had upgraded to Extra. I chose WX4TVJ because my dad is WX4TV, so I am WX4TV Jr.! At the 2015 Dayton Hamvention my sister

Faith Hannah AE4FH and I did a presentation about antennas for VHF, a talk we would also give at the Old Dominion University open house in 2016. My family has a website called HamRadio.world, as well as a YouTube channel of the same name. Please check them out! In the home shack we have a Yaesu FT-897D all band transceiver and a Yaesu FT-2900 2M transceiver. We have a Hustler 5BTV vertical antenna and a True Ladder Line doublet antenna for HF. For VHF and UHF, we have an Arrow J-Pole antenna.

Since I earned my license, I have participated in many contests such as Field Day and CQWW. I have also done volunteer work for bike-a-thons such as Tour de Cure, and also helped with communications between shelters during hurricanes. During Hurricane Matthew I also helped run the ARES net.

Outside of the hobby, my main interest is aviation. I have stick time in over 30 aircraft of about 15 types, including a Skyship 600 blimp (I hold the unofficial world record as the youngest person to fly this type) and a UH-1B Huey. I am also knowledgeable in the history of many aircraft and have even found mistakes and inaccuracies in restored antique aircraft. I have a 54 year-old Guillows Trixter Beam, and an RC plane called the X4Z Dart., both controlled by 6 meters. I also have a quadcopter given to me by John LeVours, KW4CR

My primary interest in ham radio is engineering. I have built many kits and have some experience with Arduino. I am currently in my freshman year (sophomore if you count my credit hours from Daytona State College) at Embry-Riddle Aeronautical University pursuing a degree in computer engineering.

10-10 International Net, Inc. - 2020 Scholarship Winners



Xenia Berger ZL4YL

My name is Xenia Berger, ZL4YL, from New Zealand and I wanted to thank you very much for the generous scholarship you have given me. I am really grateful for being chosen as it will be very helpful for me going forward.

My family moved to New Zealand from Germany in 2009. Although I only got my license in 2015 at the age of 14, I have been involved in ham radio for all of my life. Both of my parents are licensed (ZL3IO and ZL2YL) so I have grown up helping build antennas and radio equipment. My sister is ZL2GQ. We live up in the Waimarama Heights on the east coast of the central North Island in

sunny Hawke's Bay. At our place we also host the contest station ZM4T.

In June 2017 we installed and commissioned a CW Skimmer based on a Red Pitaya. It feeds spots into the Reverse Beacon Network and via "CW Reporter" to PSK Reporter. Another Red Pitaya operating as an FT8 skimmer and sending spots to PSK Reporter was added in March 2019.

My favourite aspect of ham radio is doing contests and DXing (257 DXCC) and I have taken part in many contests either with the ZM4T contest team or as ZL4YL. My preferred mode of operation is CW. In 2018, I was able to partake in the WRTC (World Radiosport Team Championship) in Germany as part of the

team Oceania 2. Our call was Y89N. It was an incredible experience where I met many amazing people. In 2019, I became the Youth Coordinator for NZART (our national organisation, like the ARRL). During this time we organised many youth activities like the participation in the IARU Region 1 driven youth activity month in December (2018 & 2019) making a few thousands contacts with a New Zealand wide team each year. We organized for youngsters to partake in some of the world largest contests from the ZM4T contest station (CQ WPX SSB 2019, CQ WWDX SSB 2019 & 2020), partook in our national conference with a booth and managed to send a small ZL team to Bulgaria for the international YOTA camp in 2019. I also wrote a column for the NZART magazine about the youth activities during this time.

In addition to ham radio, I enjoy singing (having been part of several choirs in high school), reading and cooking. Growing up, I have always been interested in the sciences, especially biology. In February 2020 I moved to Auckland where I now study medicine at Auckland University. In New Zealand we don't have to do a whole undergraduate degree (although you can) to apply to med school. The favoured pathway is to do first year either health or biomedical science, after which you can apply to med. I did first year biomedical science last year and was then accepted into medical school. This requires my full focus. Therefore I stepped down from my position as youth officer. I'm still active on the radio bands hunting DX and doing CW contests via remote access to our home station.

I was the Youth Officer of the NZART (our national organisation) in 2018/2019.

10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal has always been to fund our scholarships entirely through member donations. At the Scholarship Foundation meeting in May, the Foundation Board voted to guarantee the funding for three \$2000 scholarships to be awarded in 2021. The Foundation was created in 2001 and is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. Why not consider a donation as a Chapter or an individual in memory of a fellow ham or loved one. This quarter several people donated in the memory of my father Abraham Berger, W2BLH, #33333. They were: Matthew Berger, K2MSB, #60606; Michael Berger, KC2YPO; Robert Berger, WA2EJO, #27605; Andy Kirschenbaum, WA2CDL, #3087 and WA2SUH, #407. If you have an employer matching program, please let us know. If you haven't donated before, we want you to know that all donations are appreciated and they do add up. At the time you make a donation to your favorite charity, please consider a donation to the 10-10 Scholarship Foundation

If you make a donation of \$25 or more you are eligible to receive one of the historic 10-10 pins. As more and more members have told me not to send a pin and want the maximum amount of their donation to go to the students, if you have made a qualifying donation and would like a pin, please contact me at wa2suh@aol.com. To pay by credit card see payment information on our website (www.ten-ten.org) or send your check to me or the Data Manager. Our addresses can be found on Page 26.

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

Platinum (\$1000 or more)

None

Gold (\$500 to \$999)

WB0CON.....	Eva Donaldson	53964
WB5UJY	Kenneth Schulz	63342

Silver (\$100 to \$499)

AA2MA.....	Mark Morgida	73000
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Bronze (Up to \$99)

WB2ZFG.....	Philip Crepeau	00294
WA2SUH.....	Larry Berger	00407
WA2CDL.....	Andy Kirschenbaum	03087
W4GEK.....	Alton Morris, Jr.	09861
WA2EJO.....	Robert Berger	27615
NA3H.....	Aggie Reynolds	30502
K2MSB.....	Matthew Berger	60606
N8KP.....	Gary Wick	72453
W1AS.....	Alan Clair	73131
W6LLP.....	James Phelps	74279
K5WSY.....	Don Thompson	76386
KC2YPO.....	Michael Berger	

10-10 SCHOLARSHIP APPLICANT INFORMATION

Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds three \$2000 scholarships, which are administered on our behalf by the Foundation for Amateur Radio (FAR). It is suggested that every 10-10 member encourage qualified college-bound amateur radio operators to take advantage of this opportunity. Over the past 33 years, 10-10 has funded 127 scholarships valued at \$165,000.

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

Meet The Volunteers

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

AJ7B, Randy.....	Editor
G4BLH, Mike.....	Awards - GB
K1IEB, Tim.....	Net Control
K4QHH, Bob.....	Awards – Mobile & VP
K5BKT, Peg.....	Committee Member
K6RDK, Dave.....	Data/ Membership Manager
K7CWS, Ray.....	Net Control
KA0ZPP, Jim.....	Director
KA5VVD, Robert.....	Committee Member
KC4HIT, Mark.....	Awards - Counties
KC5ILO, Tom.....	Director
KD2NOM, Mark.....	Director
KD5DE, Mel.....	President
KF4WKY, Mike.....	Net Control
KG5RJ, Greg.....	Committee Member
KI6OY, Lee.....	Awards-CW
KJ5SZ, Hugo.....	General Counsel
KM5EH, Marcus.....	Director
KM5FF, Ed.....	Awards-WPX
KQ4PK, Robert.....	Net Control

KR7RK, Keith,	Treasurer
KZ3T, Dan.....	QSO Party Manager
N0TW, Terry.....	Past President
N2WIE, Tony.....	Awards-1000+ Bars
N5MT, Mike.....	Awards - DX
N6ELK, Louise.....	Alternate Net Control
N6OPR, Bob.....	Director
N7YG, Jeff.....	IT Manager
N9AC, Gerald.....	W6OI Trustee
NP2MR, David.....	Committee Member
NS6X, John.....	Committee Member
NZ1I, Kevin.....	Awards – WAC
VA7GY, Garry.....	Committee Member
VE3MEW, Bill.....	Committee Member
W5DJT, David.....	Committee Member
W5SUM, Ronnie.....	Vice President / Secretary
WA2SUH, Larry.....	Director
WB0CON, Eva.....	Awards – WAS
WB6OBJ, Arnold.....	Net Control
WI9X, Jim.....	QSL Bureau Manager

Antenna System Project – Part 4

In part 3 of this project we decided on the XBee wireless module for remote operation and was completing the wiring of the version of the tuner I planned to use in my shack. My intention is to use the tuner inside the shack and had no plans of using the XBee module. At the time of this writing, my version of the tuner is installed in the shack and attached to my 160-meter skywire (Horizontal loop).



Figure 1. Tuner Installed and Operational

After installation, my first step was to map out the component positions that gave a minimum SWR for different frequency points on the attached antenna system. With an antenna analyzer connected to the transceiver connector, I adjusted the capacitor and inductors for minimum SWR at each 100 kHz of the three lower bands: 160, 60 and 40 meters. I wrote down the position values shown on the tuner display in a table sorted by frequency.

It's easy to lookup a frequency in the left column of the table and then use the front-panel switches to position the capacitor and inductors to the values shown in the row for that frequency. I could also connect a USB cable between the tuner and a PC and then use the Monitor built into the Arduino Integrated Development Environment (IDE) to send commands to the tuner to position the components. For example, to position the capacitor to a specific point I enter "CA,123" and click on the **Send** button. The Arduino program parses the command and causes the capacitor motor to move in the correct direction to position it at a point where the voltage on the potentiometer is read by the analog to digital converter as 123.

This method is definitely an improvement over rotating a physical dial or turn

counter to position the components. But what is really needed is to have the tuner respond to entering just the desired frequency.

THE WINDOWS PROGRAM

Using Visual Studio, I created a program that allows me to control the tuner from a PC running Windows. The Arduino sketch was designed to constantly monitor the Arduino's built-in serial interface. Not only does it receive commands, but it sends out information about the tuner.

The design criteria of the windows program called for independent operation of the capacitor and inductors in both the up and down direction. Like the switches on the tuner's front panel, the PC interface must have an **Up** and **Down** button for both the capacitor and inductors. Their operation must be just like the front-panel buttons. Click and hold on the **Down** button, the component must move in the decrease direction until the mouse button is released or the minimum position value is reached. See Figure 2.

The PC program window must also indicate the position of both components. This is a necessary feature for when the tuner is located outside the shack and operated remotely.

Another required feature is the storage and recall of component positions based on frequency. When the Windows program launches, it opens a text file that contains a table of information on component positions based on frequency and loads that data into its memory. When I created the program, I entered the data from the written table I created for each 100 kHz into the text file. With these key points already mapped, I can type in a value into the frequency field and then click the **Tune to Frequency** button. The Windows program will lookup the frequency closest to the desired frequency in the position table and send a command to the tuner that will position both capacitor and inductors for the found frequency. The frequency found in the table that is closest to the desired frequency is shown in the **Found:** field. When the component movements stop, the Arduino sends position information out the serial port and the Windows program shows those values in the appropriate field.

The Windows program is also designed to update or add new position information to the table. For example, if you have a frequency that has not been mapped, you adjust the tuner components manually (front-panel switches or PC program buttons) to get a minimum SWR. Enter the frequency into the Frequency field and click the **Add Positions to Tune Data** button to add the capacitor and inductor positions to the table for the frequency entered. If the frequency is already in the table, then the new data overwrites what was already in the table. If you want the new position information to be used whenever the program is launched, click on the **Store Tune Table Data** button. Otherwise, the data is lost when you close the program.

The form shown below has some additional features for the purpose of

testing the tuner communication. In addition to the component positioning commands, the sketch in the tuner has additional commands to monitor the tuners operation and provide troubleshooting information through the serial interface. The Windows program has a **Send** field where specific commands can be typed in and then sent to the tuner by clicking on the **Write** button. For example, if you want to get a status report from the tuner, you type in **SS** in the send field and click the **Write** button. The tuner should send back the position of the components, the minimum and maximum positions of the components, debug flag, and speed settings for the two motors. All this information will be displayed in the **Receive** field.

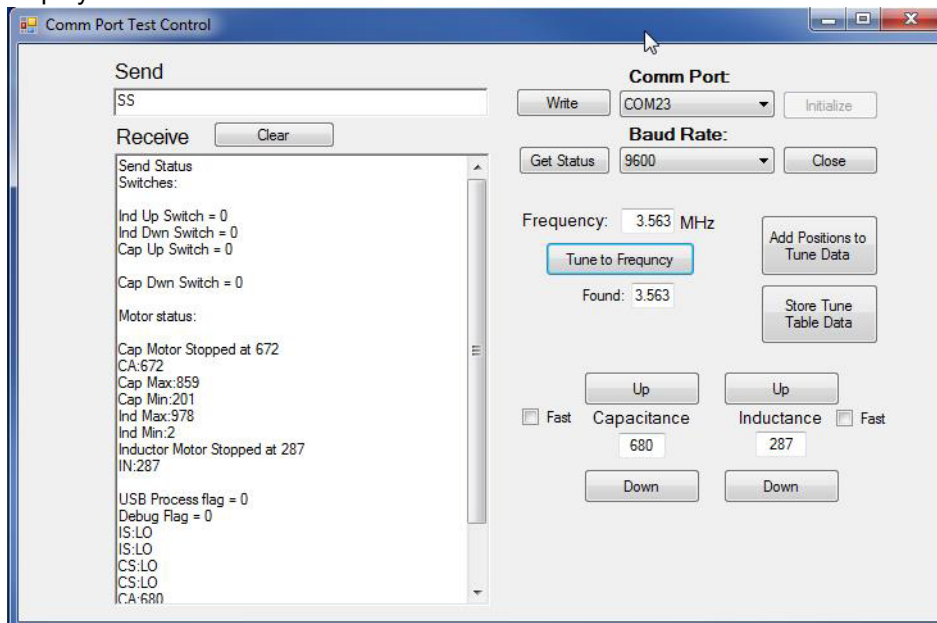


Figure 2. Windows Tuner Control Program

When adjusting the Arduino sketch in the tuner, you can set the debug flag to true by writing **SD** to the tuner. The debug feature sends information back to the Windows program that provides information about the flow of the program as it moves components and responds to commands. This information is also displayed in the **Receive** field. Writing **RD** to the tuner disables the debug feature.

Once various frequency points have been mapped into the Windows program, setting the tuner for a specific frequency is easy. Type a desired frequency in the **Frequency** field and then click on the **Tune to Frequency** button. The program will look up the desired frequency in the position information table, find the frequency that is closest and then send the component position data for that found frequency to the tuner to set the tuner components.

My tuner worked great right from the beginning. Mapping tuner positions v.s. frequency was very easy. Obtaining a 1:1 match on any part of the three lower bands was easy as well. When I started working the tuner on 20 meters, I noticed a number of “birdies” across the band. Turning off the tuner caused these birdies to disappear. The next test was to turn on the tuner and then remove the USB cable that connected the PC to the tuner. Again, the birdies disappeared. Obviously, the USB cable was bringing those signals from the PC into the front-end of my rig. It was this issue that convinced me to install an XBee wireless module in the tuner in my shack. This allowed me the remote control of the tuner while not introducing signals from the PC into my rig.

Now that I have my version of the tuner completed and installed, we have moved the prototype to my friend Rob's QTH and started working on his version. The significant challenges for Rob's tuner will be the 200 feet between tuner and ham shack and the installation of a battery to run the tuner and the solar panel to keep the battery charged. We hope to have that completed by the next issue of this newsletter.

Randy AJ7B #7675

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.



TEN-TEN AWARDS

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

TOP TEN HONOR ROLL

No.	CONTACTS	CALL	10-10#
1.	24600	WA5JDU	3017
2.	11700	K0PV	9902
2.	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

W.A.S.

NO.	CALL	10-10#
2491	N9UFO	55967

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

DIGITAL AWARDS**700 BAR CONTACTS**

NO.	CALL	10-10#
3	WA2HMM	40510

AWARDS MANAGERS

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
Bar 1000+	Tony Lisnak, N2WIE, #66790	192 Greenvale Ave, Yonkers, NY 10703	(914) 476-4032	lisnak@optonline.net
VP Bar	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP WAS.	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP Lucky 13 . .	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
WAC	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	kevinemt1d@tvccconnect.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	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
OM/XYL	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	buckml@lolo.net
WAS	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	wb0con@comcast.net
WPX	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	elbble@gmail.com
GB Counties . .	Mike Crawshaw, G4BLH #18446	35 Edward Drive, Clitheroe, Lancashire, England BB7 1EF	No Phone	g4blh@zen.co.uk



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
00003	W6MEB	Harold D. Shotts - Torrance, CA
00914	K8SGM	George J. Keltner, Sr. - Parma, OH
01357	WB9AIS	Richard G. Robbins - Mequon, WI
01966	WA7JLA	Donald A. Peterson - Great Falls, MT
05537	WB0ACX	John M. Wiles - Wichita, KS
07431	W2TDS	Stephen J. Blasko - Glendora, NJ
07967	KC9MG	Vance R. Elzinga - Wisconsin Rapids, WI
08793	W6EMD	David D. Meacham - Redwood City, CA
09003	KW3F	Bob Brown - Landsdale, PA
10486	K0FPM	Gerald G. McKay - Papillion, NE
11002	WA2TWS	Roy C. Brown - Flemington, NJ
11716	K4SSU	David J. Johnson - Winder, GA
13123	K2PLF	Martin J. Green, Jr. - Street, MD
13599	KC4ET	Jim G. O'Kain - Powell, TN
15097	K5JB	Joseph A. Butler - Ocean Springs, MS
15896	N0CC	Christopher L. Carson - Green Brook, NJ
16016	W0AJL	James O. Lyman - Parker, CO
16031	KR0W	Lynn R. Schroeder - Carrington, ND
16650	KF4NI	Ruby C. Byrd - Thomasville, NC
17522	WD4KXJ	Donald S. Penven - Raleigh, NC
18940	N8TC	Brian J. Cox - Traverse City, MI
21013	WB4RSU	Michael W. Moore - Starr, SC
21530	WA2TTI	Gerald H. Harley - Royersford, PA
21534	W1UL	Urb LeJuene - Tuckerton, NJ
21718	N4AVV	William H. Gurkin - Myrtle Beach, SC
23591	W7JE	Jake D. Evans - Ellensburg, WA
23811	W0RAA	Richard L. Thompson - Colorado Springs, CO
24043	WB8SSQ	John T. Yeary - Springfield, OH
24053	K5UO	Michael H. Bragassa - Conroe, TX
24910	W5NDK	Paul J. Cowan - Denton, TX
26501	W2OU	Eldred A. Moore - Piscataway, NJ
26680	KB5T	Kenneth L. Burdick - Oklahoma City, OK
27005	WB0UVN	Wesley E. Rader - Hardtner, KS
27527	KW5K	Walter H. Stinson - Lake Charles, LA
30074	W7JPG	Christopher J. Kepus - Placerville, CA
30953	VE3XO	Dr. Stephen S. Tobe - Toronto, ON
31352	K1JFD	John F. Dould - Peabody, MA

10-10#	Call	Name - City, State
31651	KB6QJ	Edwin S. Oxner - Georgetown, TX
31726	KV4J	Rudolph J. Friederich - Knoxville, TN
32529	KC1WA	John F. Boothroyd - Concord, MA
35339	WA1CHU	Richard B. Drown - Weymouth, MA
35645	WA7IZU	Robert A. Welzbacker - Monmouth, OR
35784	K4SOX	Richard F. Hauser - Clemmons, NC
36357	WE2G	Thomas J. Cody - Stottsville, NY
37574	W2IFA	Robert H. Groh - Providence, RI
37758	WD4KYW	James E. Burris, Jr. - Lake Placid, FL
38570	W7BPR	Richard R. La Vigne - Tucson, AZ
38798	KA2NMP	Henrietta M. Seifridsberger - Delmar, NY
38825	NC7MT	William B. Patterson, Jr. - Chapel Hill, NC
40006	WC5E	Robert L. Howard - Abilene, TX
40602	KC0LB	Robert L. Best - Newton, IA
41276	ND9Z	Gary L. Keating - Kaukauna, WI
42020	DK8FA	Ralf Schiffner - Altenstadt, DEU
42423	W4NHL	Neil H. Lauritsen, Sr. - Clearwater, FL
42531	N4QEA	John W. Moyers - Knoxville, TN
43103	KA5LLJ	Bruce W. Simmons - Franklinton, LA
44457	N7HD	Richard C. Strick - Prescott, AZ
46006	NT0V	Dennis M. Clemenson - Devils Lake, ND
46285	WB7DSM	Donald M. Millbauer - Bothell, WA
46349	W6DHN	Franklin M. Sharit - Georgetown, CA
46357	AA6HA	John A. Ekiss - San Jose, CA
46961	KC3YY	Ronald H. Neuman - Pasadena, MD
47012	WB2VMV	Marvin W. Tyndall - Absecon, NJ
49342	N5LQD	Gary R. Malehorn - Baton Rouge, LA
50818	N7LIY	David R. DuBois - Yakima, WA
50980	N6RNP	Alan W. Padgett - Chico, CA
52469	K1MYL	Leonard A. Moniz - Westport, MA
53446	K4OQB	Ted A. Anthony - Lake Alfred, FL
54046	KC5AK	Gregory R. Morris - Lufkin, TX
55745	WA3TIG	Carmine Izzo - Cleona, PA
57482	K4VAR	Charles K. Gentry - Alabaster, AL
57576	KA4AQM	Randall D. Melton - Chesapeake, VA
58780	NI0W	David J. Michalski - Clear Lake, MN
59747	KC4VKV	Hal V. Britton - Panama City, FL
60176	N1ITK	Arthur E. Hildebrandt - Hudson, ME
61332	KA5DAN	Randle K. Dye - Corinth, MS
63532	KD4SFI	John S. Creech - Sumter, SC
63993	N1DO	Richard H. Olney - Cumberland, OH
64551	N3PED	Lawrence W. Lahr - Berwick, PA
66406	W3CR	Charles E. Ralph - Albert City, IA
67135	KA1EIX	Alan D. Meeker - Cortland, NY
67736	KD4POE	Joseph D. Handy - Fieldale, VA
69734	K8BE	Gary C. Donner - Hamersville, OH
70940	KL7HLF	Donald L. Linnen - Syracuse, UT
71557	KA9LTP	Lester R. Lee - Decatur, IN

72330	N6DH	Dave Heine III - Altamonte Springs, FL
72541	W4APV	James A. Eberwine - St. Petersburg, FL
72654	AF5Q	Ronald M. Grossman - Lawton, OK
72753	W5KK	George K. Stroupe - Senatobia, MS
73106	DL2AYJ	Klause Franke - Jena Winzerla, DEU
73568	KB3IFK	Andrew McGinley - Baltimore, MD
73775	W9WY	John L. Gianotti - St. John, IN
74069	WB1GSB	Donald T. Brown - Leicester, MA
74724	WB9L	Michael D. Martin - Knox, IN
75370	N1EDN	Charles J. Douglas - Woburn, MA
76266	KI4SII	Powell G. Henderson - Deltona, FL

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

QSL Bureau News

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

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

Jim Stoeber, w9x #49635
8829 Bermuda Ave.
Caseyville, IL 62232

WOULD YOU LIKE TO JOIN 10-10?

Here is what you need:

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

TYPES OF MEMBERSHIPS

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

Primary Membership

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

Family Membership

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

Life Membership

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

Senior Life Membership

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

Family Life Membership is no longer available

Club Membership

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

Electronic Membership

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

MEMBERSHIP RENEWALS

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

DATA MANAGER SERVICES

Call/Name/Address Changes

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

All payments may be made by Check, or Money Order. Due to banking regulations Credit Cards cannot be accepted for merchandise. Membership Services and Scholarship Donations can be made via credit card using the secure shopping cart at www.ten-ten.org

Mail to:

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

SCHOLARSHIP DONATIONS

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

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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. NOTE: A QUIET ZONE between 28.490 and 28.510 shall be in effect during QSO Parties using the Phone portion of the 10-meter band to allow for others to use the band.

5.2.4 ENTRY CLASSIFICATION

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

QRP: Includes single station operators and can also include OM/XYL teams or any families or groups of people using individual call signs and 10-10 numbers. CW/Digital/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. If a single transmitter becomes inoperable, it is permissible to change to a replacement transmitter. No matter your physical location, your QTH is the location of the transmitting antenna.

5.2.6 EXCHANGE

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

5.2.7 QSO POINTS

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

5.2.8 CHAPTER SCORE ASSIGNMENT

TEN-TEN QSO PARTY RULES

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

5.2.9 QSO PARTY ENTRIES

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR Mail to insure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a check log. Any logs received more than 8 days after the entry deadline, regardless of postmark, will be discarded. LOGS MAY BE SENT VIA Email to 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"/> SPIRIT OF 76 |

Contest Exchange:

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

Entry Information:

Name: _____

Mailing address: _____

City: _____ Zip: _____

State/Province/County: _____

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

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

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

Entry Type (check one only):

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

Claimed Score:

Contacts WITH 10-10 number: _____ X2 = _____

Contact WITHOUT 10-10 number: _____ X1 = _____

Total Contacts: _____ Total Pts: _____

Submitting Logs:

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

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

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

EMAIL to: tentencontest@ten-ten.org.

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