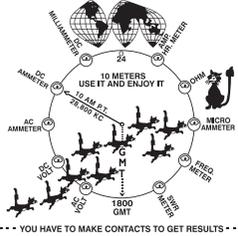


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL

NEWS

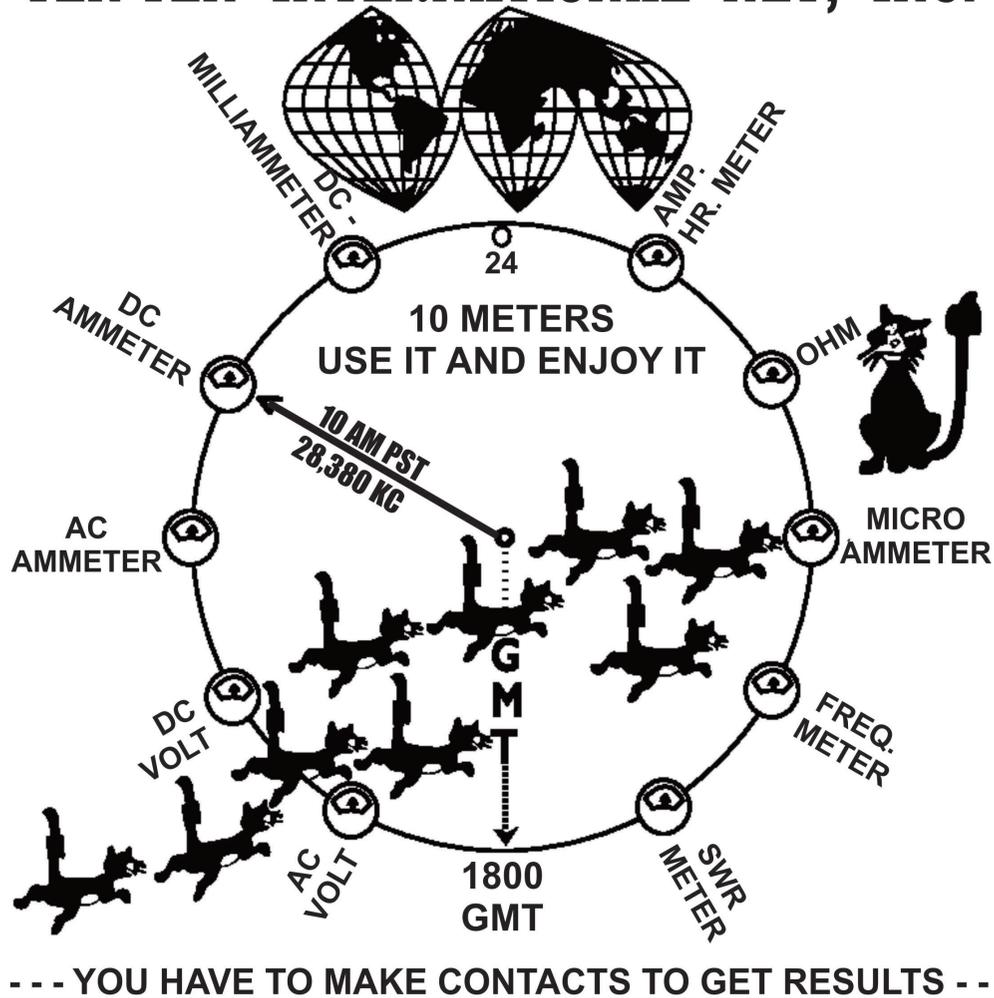


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News items should be sent to the Editor. Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted must be typed, and sent on computer disk or E-mail. Suitable formats will be provided upon 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 March 2024

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

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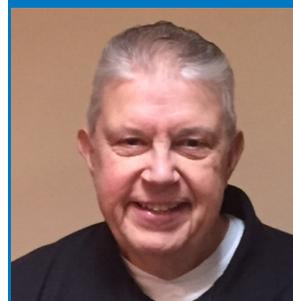
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From the Editor

Randy Mather, AJ7B
(#7675)

Well, Happy New Year to All! I hope this year will be a good one for you and yours. As 10-Meter operators, we certainly hope that the propagation will continue to improve as we move closer to cycle-25 solar peak. When you read Mike's DX article, I think you will find his predictions encouraging.

Another interesting article is Keith's information on the resurrection of WIN1010. A contesting software tailored to 10-10 International Net programs. If a 10-10-centric logging software package interests you, please read the article and connect to the information links identified in the article.

I know, I know, I know. I've read it before! Well here it is again. WE NEED ARTICLES TO PUBLISH IN THIS NEWSLETTER. Yes, I am a broken record. It would be great to hear from the membership about whatever 10-10 related story they have. I can help if necessary. Just send me a story written as best you can, and I will help get it into publishing condition. This is your newsletter and you can help make it more interesting to the membership with your own story.

On a personal note: I was pleasantly surprised at the number of members that took part in the Digital QSO Party held in November. True, still not a big number of participants, but more than I expected. I have been under the impression that FT8 and FT4 have pretty much killed the PSK mode of operation. Twenty QSO party submissions for the November Digital party were submitted for scoring (See results later in this newsletter). I personally worked 32 10-10 member stations of which 3 were club stations. There are 11 stations on my contact list that didn't make a submission to our QSO party manager. I can account for 40 different 10-10 members who participated. I am sure there were a lot more. Now I must conclude that I was in error and PSK is NOT dead after all. Now it may be because the Digital QSO Party doesn't accept WSJTX contacts and PSK and RTTY are the only digital modes left, and that is why the PSK watering-hole on 10-meters has that many stations trying to work each other. Glad we can keep a mode alive, even if it is only on 10-meters. I certainly enjoy using PSK over WSJTX.

We are now into a new year with a whole new set of QSO Parties in which to participate and have fun while doing it. I hope to catch you on the air this year.

Randy – AJ7B #7675



From the President

David Ruch NF0J
#19553

Greetings from Elephant Butte in the high desert of southern New Mexico.

It crossed my mind that it is winter, and I haven't raked any leaves or shoveled any snow. No cars have been winterized and no parkas have been removed from storage. All that used to be an annual ritual in Minnesota. Do I miss it? Nope. I sure do like the weather here.

Now that 10 meters is coming to life again, you need to get on the air and make some contacts. Our daily net at 1800z is getting a pretty good number of check-ins lately. There are often POTA stations on the air too. OMISS has a 10-meter net on weekends. And DX! Lots of DX. On November 13th and 14th, I worked 4W8X, TJ9MD, and TX7L on 10 SSB. Latin America, Oceania, Japan, and SE Asia are out there, too. The band has opened. Activity on ten is a big part of our purpose. Work 'em even if they don't have a 10-10 number. Get on the air and work the band!

Not a lot of people in our group know much about me, so I thought I would spend a little time on each of my newsletter pieces to explain myself and why I am like I am. I was born in upstate New York and only lived there my first six months. My father was in the Navy, and off we went to California. Then to Hawaii. Following that we went back to California. Then to Virginia, Maryland, the Azores, New Jersey, Oklahoma, and back to New Jersey. (Dad was a big-iron prop flyer, so we lived on a lot of Air Force bases.) We got around.

When it was time for me to join or be drafted (Vietnam era), I investigated all the services and then made what is probably the biggest mistake of my life. I turned down Naval Air. Back then, you needed perfect, uncorrected eyesight and you couldn't be over or under a certain height. I was one of two people in our group of fifty who passed both the physical and psychological testing. But it was a six-year plus hitch, and I was young, so I said no and joined the Air Force. Obviously, wisdom was not part of testing. Many years later I did get my pilot's license, but I never got to fly Navy jets. More next time. Now back to 10-meter radio.

In case you haven't been on the 1800z net on 28.380 recently, V51MA, Mike Alberts, from Namibia, Africa, checks in almost daily. Mike is also the net control station on various days during the week. Mike is a great DX ambassador for 10-10. He is running only 100 watts, and I get his signal from 5/5 to 5/9 here in New Mexico. Besides being a great operator, he is a great DX catch. Go exchange

numbers with him.

Ten-Ten International Net will be represented at HamCation (February 9th-11th, 2024) by Chuck, N7UQ, and me again this time. We'll be handing out informational brochures, taking renewals, and selling pins to benefit the Scholarship Foundation. Please stop by and say hello.

Also, don't forget the Winter Phone QSO Party on February 3rd-4th. We'll be bringing our club callsign, W6OI, to the party. Look for W6OI between 28.305 and 28.495. For those collecting paper QSL cards, cards will be available too.

2024 is an election year for Vice-President and three of our six directors. Watch for details in the newsletter and on the website.

Best wishes for a healthy and safe 2024!

CU on the air!

73

Dave NF0J #19553

NEW LIFE MEMBERS

41188	KK4PJ	Keith D Hagen	FL
59396	KØNC	Randal D King	NE
78197	W5WOC	William G Girard	LA
78205	KE8WYY	Brian R Paules	MI
78209	DD2SM	Peter Veres	DX



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and licensed today?*

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Quarter Century
Wireless Association, Inc.**

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

Win1010 Resurrected!!

Win1010 is an Amateur Radio logging application specifically targeted to members of Ten-Ten International Net. The program's developer, Jim Hardy, K4HAV, unexpectedly and tragically passed away due to a motor vehicle accident back in the spring of 2022.

At that time, we figured the application would be dead as Jim did not leave any avenue for recovering his source code, even though he and I had discussed creating some type of Cloud repository a few months prior to his passing.

The family made numerous attempts to locate the source code but was unsuccessful.

Jim developed this program from several different utilities he and Don Ruff, KB0ON, SK, had developed during the old DOS days. Jim used a very early version of Visual Basic 6 and continued with that 30-year-old development environment up until his passing. The data structure used to store data was not a common database format so trying to determine the layout of the data files was the stumbling block that would dictate if we could reverse engineer Win1010.

I spent a few months with a disk editor examining these files and making record changes to see what changed on the disk. Since this was all binary data, it was a time-consuming task as the layout of the County Hunter file, Daily Log file and the Contest files were all very different. Once I was able to determine a schema for each of these files of records, I was able to write a simple utility to import a record and verify it against the same record in the program. With a successful and documented schema for each of these data files, I made the decision to reverse engineer Win1010 and have developed a replacement called Win1010 Version 4 (WIN1010V4).

With the assistance of N1API, KZ3T, KD5DE, N5MT and a few others, we are getting very close to a program that will be ready for a production release, hopefully before the end of the first quarter of 2024. We are about 80% complete with the application as of the end of November 2023.

This application is developed with Borland's RAD studio using Delphi and Pascal. It will be compiled as a standard 32-bit application so that it will run on just about any Windows platform. However, Windows versions prior to 8 will have some limitations when it comes to accessing data remotely due to the lack of the necessary security protocols the program requires to access data files remotely. However, there will be a work around for those operating systems, but the data will be lagging by a few months. (NOTE: Operating systems prior to Windows 8 are deprecated and are no longer supported by Microsoft and most developers. Windows 7 still has numerous security holes that Microsoft intentionally declined to fix in order to get folks to update to a newer operating

system. It is these holes that the hackers and script kiddies are exploiting. Windows 8.x stopped receiving support on Jan 1, 2023. Windows 10 is expected to be retired in October of 2025, but I think the business industry is going to back Microsoft into the corner on that as it will require the purchase of new hardware that will support Windows 11.)

Win1010V4 will emulate just about everything the original program does except for the Certificate Chaser Module. At the present time I have made the decision not to include that due to the complexity of that function. However, once the program has been in production and there is enough interest and I can find enough savvy paper chasers to assist in the development, I may staff that through to determine the feasibility.

Data import from the original data files will not be without some hiccups due to data mangling in the data files and naming formats with DX Countries and US Counties. But this can be easily fixed by the user with some extra effort on their part.

By the time this article is published, I hope to have some HOWTO videos available to assist with installation, setup and initial maintenance of any bad data that is discovered during the import.

For those that are not currently users of Win1010, there will be a facility to import data from other programs that support a standard ADIF export that conforms to the ADIF 2.2.0 standard. Importing directly from other logging programs may be possible if the data file uses a standard database schema, and the data is not locked.

We have a Win1010 support page on the website: [Win1010 Support \(ten-ten.org\)](http://Win1010Support(ten-ten.org))

From there you can also subscribe to the Mailing List we have over at groups.io.

Jeff Steinkamp, N7YG #65084

Ten-Ten International IT Manager.

**10-10 Has One Official Daily Net
28.380 MHz
Net Starts At 1800z
Every Day Except Sunday
Listen And If You Can Hear Us Join IN!!!**



Chapter Coordinator

Chuck Dockery, N7UQ
(#72774)

GENERAL NEWS

Update: I did get a response from Dave Walton for Speedway chapter. Thank you Dave. Irene NH7PE of the Aloha chapter is asking for anyone in the area for help with the nets and maybe taking over the chapter duties. Sorry to report that the Chesapeake Bay chapter may be no longer. Cindy Hamm N3TF took over as chapter head in early 2022 as Doris N3TGB became a silent key. Cindy has now become a silent key herself, shortly after her husband Jeff WA6LHQ also became a silent key. The Castle Craig chapter has changes to their certificate program. Contact AI, N1API for these changes.

Update: I now have access to make changes to the chapter pages of the website when I receive changes or asked to post special announcements for a chapter(s). However, this may be affected by the update that Jeff intends to perform on the website. So, if you do not see the changes right away, please be patient and we will get things updated as soon as possible.

Reminder: 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. Also, as I receive updates to your chapters, I update the list on the website to reflect the latest correspondence. If you do not see the website updated after a couple days, be sure and wipe your cache in your browser so you have a clean updated page before visiting ten-ten.org.

Quarterly Reports at Risk of Termination: (no report in over a year): Down Under, Major League Baseball. Houston Shot (last report 06/2022), Louisiana Pelican (last report 06/2022), Milwaukee (last report 07/2022) Bauxite (Last report 12/26/2022), Hanse (Last report 09/06/2022). If anyone has contact with any of these chapter heads or coordinators, please let them know we would like to see these chapters continue.

Reporting: Either go to www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms for a form to download or www.ten-ten.org/chapters/quarterly-report to fill out and submit electronically. Be sure to notify IT Manager Jeff, N7YG, before using this easy-to-use form so he can add you to the Chapter Management Group. If you do not have internet access,

let me know and I will send you a blank form that you can copy and submit. A responsible chapter official must report to the Chapter Coordinator. This is done quarterly. If there are no changes to the previous report, then the chapter can go on for up to a year without reporting. A report must then be made even though no changes have been made. These reports may be made via the U.S. Postal Service or via email. One of the reasons listed for termination of chapter is failure to report four consecutive quarters (1 year).

Chapter Reports: I now copy all reports and other correspondence received from chapters to the chapter folders on the FTP site. If anyone needs access or copies of files, you can ask Jeff N7YG for assistance or ask me for a copy. Main point is I am no longer keeping hard copies of anything related to chapters. As chapter heads and coordinators, you should be utilizing the FTP site to store your information that can be accessed by an official, should the need arise.

CHAPTER NEWS

Chief Seattle: Still looking and hoping for someone to take on this chapter to assist or possibly take this chapter over.

Branding Iron: Chapter is still without a Chapter Head. Peter, DL6DK, has agreed to continue as CM, but we need someone to come forward to become CH. Anyone willing to do so, please contact Peter or me.

Major League Baseball: We lost a great one when Robert Farrow (Bob) N6OPR became a SK. So now we need someone to come forward and take over this chapter.

All chapters are asked to plan for succession of leadership. To aid in such planning, IT Manager, Jeff, N7YG, has been setting up FTP accounts on the 10-10 server where chapters can save their data. **All CH:** contact Jeff for the details if you wish to take advantage of this opportunity. This is a good idea even for the redundancy of record keeping and in the event of a tragedy.

I will leave this next info the same unless someone tells me different then I will correct for the next newsletter. Chapters below accept email upgrades as of 2023. 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 case the CM should require verification. This is especially true with Chesapeake Bay Chapter as some data was not transferred to the new certificate manager. Requirements peculiar to a particular chapter are noted. Also refer to above #4 for a records vault.

(** indicates change)

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

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

Speedway – CM W7CAR, w7car@arrl.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.

chuck@n7uq.com or 112 S. Rolling Meadows Dr. Wylie, Tx. 75098

469-829-5462

TEN-TEN NET GUIDE

As of December 1, 2023

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	Cincinnati, OH	28430
SUN	1300	1400	Arlington	Arlington, VA	29200				Tuners		
SUN	1400	1500	Neanderthal	Euskirchen, DL	28355	WED	0100	0200	Houston SHOT	Houston, TX	28488
SUN	1800	1800	Major League Baseball	Gilbert, Az.	28380	WED	0200	0300	10-Bar-X	El Paso, TX	28445
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	WED	1400	1500	EU DX/Branding Iron/	Bergkamen, DL	28355
SUN	1930	1930	North Georgia	Atlanta, GA	28415				Hanse		
MON	0100	0100	Arizona Desert	Phoenix, AZ	28445	WED	1930	1930	Route-66	Apopka, FL	28370
MON	0100	0100	Lonestar	Arlington, TX	28460	THU	0100	0100	Cow Town	Arlington, TX	28460
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	THU	0100	0200	Gateway	St. Louis, MO	28650
MON	0130	0230	Bauxite	Benton, AR	28470	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
MON	1630	1730	Chief Seattle	Seattle, WA	28430	THU	0230	0230	Windfarms	Livermore, Ca	28485
TUE	0001	0100	Ft McHenry/ Cornerstone/ Yodar Kritch	Arbutus, MD	28370	THU	0230	0330	Up the Crick	Eugene, OR	28450
TUE	0100	0200	CO Centennial/CO Frontier Gang	Lakewood, CO	28340	THU	1930	1930	Speedway	Rainer, OR	28350
TUE	0100	0200	City of Lights	Aurora, IL	28150 CW	FRI	0001	0100	Ft McHenry/ Cornerstone/ Yodar Kritch	Arbutus, MD	28370
TUE	0130	0230	Bauxite	Benton, AR	28470	FRI	0001	0100	Possum Trot	Raeford, NC	28345
TUE	0130	0230	City of Lights	Aurora, IL	28720	FRI	0001	0100	Steamboat Plus	Shreveport, LA	28430
TUE	0300	0400	Bay Area	Hayward, CA	28475	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0430	0430	Aloha	Hilo, HA	28490	FRI	2230	2130	Down Under (Summer in Auckland, ZL NZ is winter in US)		28530
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835	SAT	1510	1610	Louisiana Pelican	Baton Rouge, LA	28450
WED	0001	0100	Castle Craig	Meriden, CT	28375	SAT	1730	1730	Tango	Buenos Aires, LU	28650



DX News

Mike Davidson, N5MT
(#24949)

Welcome to the Winter DX season of the 10-10 DX News. The Sun is still producing Sunspots that keep the Solar flux high but high absorption conditions have kept Ten meters skip questionable! We had less DX into Europe and Asia when the absorption numbers are above A=15 and K=3.

BREAKING NEWS: Several coronal mass ejections have been seen on the Sun the past 3 days with 10 new sunspots! Expect disturbed conditions and Northern lights to be present the next few days. Hopefully this will not affect the ARRL Ten-meter contest on December 9-10th, Good luck.

With the change of season its now cooler and daytime skip been better. This season change has already helped skip for the Fall and Winter season allowing us to hear Europe and the Pacific areas. The CQ WW DX SSB contest just finished and I found seven TenTen members in my log! The big ARRL 10 Meter contest will start in just a few days on December 9-10th so please be ready for DX that weekend. This year is the 61st anniversary for 10-10, so find a member with a 61 in their 10-10 number and log them. I have 11 members with the anniversary date so far this year.

Now to update every one of the Countries Award programs. In my last DX report I talked about restoring the 10-10 Countries Award program on my old XP PC here. This was an old DOS program from Jim K4HAV/SK. My hopes of a member to rewrite a similar OS program with features to help file for most 10-10 awards that managers process will be a great asset for 10-10. I did not have any countries award applications this past quarter so if you have the basic 25 countries with a 10-10 number in your log, put the info on a form and send it to me for country credit. Remember when your dues are paid all awards are free.

Update on the development of the Win1010 program replacement. Jeff N7YG #65084, has started re-writing the program, and he should have a report in this issue of the News. My comments are from a Beta tester viewpoint. My 10-10 log contains 44 years of history so when I use that data to test the new program, the chances of finding something in the new program are increased. My testing looks through 17900 members in my logs, a lots of DX countries, the 250 OM/XYL teams, the 1800 VP numbers, the 2300 counties and 1650

prefixes that I have logged. I still have not submitted for all awards that the old Win1010 program supported but my data adds a lot Beta test. I expect it will take three months of programming and testing to get a final version ready for release next year for the new Win1010.

OK it's time to talk DX. The fall months have been better for Ten-meter skip. The CQWW SSB contest was a good start for the fall DX season with over 100 countries worked by two friends in Houston TX. When you work a DXCC on Ten in 48 hours, you must say you had a good antenna and propagation that weekend for a hundred country count!

We should be talking into Europe for several hours each day this Winter. QSO Party results are posted in this issue and the 10-10 Website. So good luck with the upcoming ARRL Ten Meter contest in 8 days! I hope some of you will have worked a new 10-10 country in Africa this past quarter so good luck on Ten as we enter 2024 in a few weeks. Sunspots this quarter have caused less DX, but **I expect the best DX of the Solar cycle in 2024!**

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

4U United Nations. The UN station **4U1UN** #55555, in the New York UN building, was heard in Sept on CW and in October and Nov on SSB plus the beacon 28200 MHz.

A2 Botswana. A DXpedition group was active from November 3-6th using call A25A. The only member was Victor **UA3QLC** #52770 but there was little Ten xmit.

C6 Bahamas Island. Joe **W8GEX** #41393 was again using C6ADX with mode FT4 on his 62nd trip. LoTW.

CY0 Sable Island. The DXpedition to Sable Island was from March 21-31st call CY0S. They had cold weather and bad winds that caused problems with antennas. <http://www.CY0S.com>.

FJ St. Barthelemy. Vincent **KB9DVC** #69254 was on St. Bart in late November in the CQWW CW contest.

H44 Solomon Isl. A DXpedition group was on Guadalcanal, operating all bands from November 15-29th with call H44WA. The only member was Tom **NU7J** #71381. Website was: <https://www.H44WA.com>.

HP Panama. Harvey **NK0S** #34184 using call HP1/NK0S was on 10-20 Meters with some digital.

HR Honduras. Alex **K6VHF** #77458 was portable HR9/K6VHF from November

21-28th and some digital.

J2 Cameroon. A big group of DX ops went to Cameroon from November 2-15th using callsign TJ9MD. The only member was Tony **IZ8CCW** #70101 from Italy.

KH0 Mariana Isl. Scott **WA0TPN** #71279 is on Saipan from November to December 7th as KH0/WA0TPN. He could on from 800-1300 UTC on low power to a long wire.

KH2 Guam. Vincent **K2ZW** #439 was on Guam for a short stay. No info at present.

KH8 Swains Island. A DXpedition to Swains was from October 4-17th. The only 10-10 member is Max **NG7M** #68542. Callsign was W8S from two separated camps with six stations total. Website: <http://Swains2023.com>.

OA Peru. Ed **OA4SS** #10802 is back on the Air with his rig an dipole for Ten and Ed likes CW on 28028.

P4 Aruba. John **W2GD** #14109 was back again in Aruba for the CQWW CW contest in late November.

V3 Belize. Scott **K5PS** #52535, was active in from November 18-28th as V31CQ in Blackman Eddy. Uwe **DL8UD** #70315, on from September 7-14th as V3O.

V5 Namibia. Mike **V51MA** #64688 was worked this past quarter on SSB as he is the only Daily Net Control DX op on 28380. Mike lost his 10-10 number a few years ago but I found his membership number which got him active on Ten again. So, remember your 10-10 number it's yours for life.

VP6 Pitcairn Island. Miralda **VP6MW** #50434, is back on the air with fixes to her rig and computer. She likes FT4 on 28180 or SSB on 28555 as I saw her active in Nov.

VP8 Falkland Isl. Bob **VP8LP** #8854 was on SSB around 28492 and FT4 on 28180 in Oct and November.

YJ Vanuatu. A DXpedition to Vanuatu by several ops was from October 26 to November 3rd using call YJ0TT. There were two members in the group, Osiel **NG7E** #77665 and Alex **K6VHF** #77458. They were active in the CQWW SSB contest with a good signal. This was rare 10-10 DX.

ZL7 Chatham Island. My friend Holger **ZL3IO** #22401 was back on Chatham Island for more DX contesting. He setup in September then came back to operate CQ WW SSB & CW in October and November. He used solar power and batteries on Chatham, with his callsign ZL7IO. LoTW.

UPCOMING DX & NEW 10-10 ACTIVITY:

C6 Bahamas. John **W6JTB** #49445 will be in the Bahamas from January 2024 to April. His call will be C6ABJ and remember DXCC counts for land QSO only.

CE0Z Juan Fernandez. A group of ten ops will be on Juan Fernandez from February 13-20, 2024 using call CB0ZA. The only 10-10 members are Ramon **NP4G** #36218 and Robert **N5KO** #26780. Rare 10-10 DX.

CE0Y Easter Isl. Jorge **CE0YHF** #39382, will be on Easter Isl. until December 10th while helping at a hospital.

CY9C St. Paul Isl. A DXpedition for June 2024 will take place by ops that were on Sable Isl recently. More info will be coming in the next DX news. Good luck for a new one.

ET Ethiopia. Ken **K4ZW** #18573 will be back at the club station ET3AA helping club members operate in December. Ken and two friends will operate in the January 12-20, 2024 time period. Ken likes CW so good luck for a new one.

FJ St. Barthelemy. Phil **K2LIO/FJ4WEB** #07746 is expected to be back on St. Bart until December 31st.

FO Austral Isl. Haru **JA1XGI** #55571 will be using call TX5G from March 25 to April 3, 2024 on Austral Island.

H40 Temotu. A DX group of 8 ops will be on Temotu from February 22 to March 7, 2024 using call H40WA. The only member is Paul **N6PSE** #68859.

PJ7 St. Maarten. Ed **N2HX** #25435 will be in PJ7 for fall contest like ARRL Ten using call PJ7PL. He was on St. Kitts with his new DX call V49R recently.

TX Clipperton Island. A large group of ops is going to Clipperton in January 2024 using call TX5S. Members are: Gene **K5GW** #15119, Paul **N6PSE** #68859 and Nodir **EY8MM** #52767, are experienced DX ops.

V4 St. Kitts & Nevis. Jeff **K1ZN** #60508 will use call V44/K1ZN from February 25 to March 4, 2024.

VP2M Montserrat. Thaire **W2APF** #50022 will be on Montserrat from January 11, 2024 to April 11 as VP2MDX

MISCELLANEOUS ITEMS & NOTES:

TenTen Website: <http://www.Ten-Ten.org>.

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

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

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

DX: <http://www.youtube.com/watch?v=k4dJcK-WVRw>. <https://Secure.Clublog.org/mostwanted.php> <http://ebarc.org/pdf/dx-entity-history.pdf>

Ham Lookup various ways:

<https://Haminfo.tetranz.com/map>.

Ham LoTW users: <http://www.hb9bza.net/lotw-users-list>.

NEW: WM7D Solar Values:

<https://www.wm7d.net/hamradio/solar/>.

FT8 Fox/Hound Video:

<https://www.YouTube.com/watch?v=GcbfTKSRkus>.

Propagation: I expect the solar flux to range from 115-175 this Winter. The winter solstices is December 21st it's the day of the year that has the shortest day times in the northern hemisphere. The Earth is tilted so South America gets their Summer but in the USA we get the shorter daylight Winter. Cycle 25 started on November 17, 2019 just over four years ago! This quarter saw a lot of sunspots visible with X and M class flares increased the solar flux but produced less skip. Sunspots are found by looking at the Sun and the flux is measured at 2.8 GHz.

The 2023 monthly **max** solar flux: January 234, February 215, March 188, April 176, May 180, June 180, July 179, August 176, Sept 176, Oct 166, Nov 190.

Average 187.

The 2023 monthly **min** solar flux: January 136, February 134, March 129, April 125, May 134, June 144, July 154, August 139, Sept 131, Oct 119, Nov 119.

Average 133.

On December 1st, the solar flux was 167, the A index was 5 and K index was 5. There have been sunspots on the Sun over the past two years with increased solar flux up 20-40 points. The USAF forecast for Dec 1st to Jan 14th has a range of 160-140 with average flux 150 which is down 2 points from the last quarter 45 day average forecast.

My Prediction: Over the next four months, the best conditions on Ten could be: Dec 26-31st; Jan 26-29th, Feb 26-29th & March 28-30th. For the USA, expect a 35% chance of DX to Europe, Asia, S. America or Pacific. Use the beacons 28.175-28.300 MHZ to find if the band is OK and if it's closed for SSB, go to 28074 and FT8 for a Q.

Two new DX members joined in Sept to November 2023. Eric **F5AUI** #78206 and Stephan **DD2SM** #78209 were the last DX calls issued. David **KC8EEY** #78234 was the last new member in Nov and 52 members join this quarter.

Thanks to the Daily DX by Bernie W3UR #25731 and the ARRL DX Bulletins. This DX News edition is my number 129th of DXing reports for the past 32 years. DX news to: Mike Davidson, 26274 Whispering Pines Ave, Denham Springs LA 70726 USA or Email: N5MT@aol.com.

DX IS! 73 Mike Davidson N5MT #24949

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10-10 Scholarship Foundation Supporters

We encourage all 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 July, the Foundation Board voted to guarantee the funding for three \$2000 scholarships this year. 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 we had three memorial donations: Larry Banks, W1DYJ, #65485 in memory of his father Sam Banks WA1INL; Arlene Schwartz, KE6GFI, #72985 in memory of Bob Farrow, N6OPR, #45715; and Larry Berger, WA2SUH #407 in memory of Andy Kirschenbaum, WA2CDL, #3087. 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 Page 27 or send your check to me or the Data Manager. Our addresses can be found on Page 26.

The members listed below became 10-10 Scholarship Foundation Supporters during the months of September, October and November and we appreciate their support.

Platinum (\$1000 or more)

N5MT	Michael Davidson	24949
KE6GFI.....	Arlene Schwartz.....	72985

Gold (\$500 to \$999)

KC0RBV	Jennie Tuttle	77375
N8YXR.....	Robert Tuttle	77577

Silver (\$100 to \$499)

WA2SUH	Larry Berger.....	00407
NT5W	Atlee Kohl	57129
W1DYJ	Larry Banks.....	65485

Bronze (Up to \$99)

WB2ZFG.....	Phil Crepeau	00294
KA2YDW	Barry Sohm.....	41937
WA3HGT	Herbert Raemsch.....	63062
N0QE.....	Scott Mentzer.....	68075
W8JBH	John Holland.....	77071
W6EQF	Arthur Fuller	77399
KD2NOM	Mark Steele.....	77596
KB2JES	Christine Sohm	78227

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 35 years, 10-10 has funded 133 scholarships valued at \$177,000.

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 the

FAR website:<http://www.farweb.org> or request an application from:

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

Some Notes on Antenna Safety

What would you like to protect from harm? Yourself? Your family? Your home? Your station? Your neighbors and your property? I guess that is enough to start a column on safety. Obviously, we can never finish it, but perhaps a few ideas might help you fill some gaps in the safety net around all you wish to protect and preserve.

Static Build-Up: As the wind and weather pass over the antenna elements, a charge builds up. On long wire antennas, it can generate enough of a charge to draw a visible spark across a gap to ground. On smaller antennas it can create unnecessary static. The best way to avoid problems here is to be sure that the antenna is at DC ground. Some antennas are designed with a DC ground; others are not. For low impedance antennas (less than 150 ohms feed point impedance) fed with coax, the simplest way to insure a DC ground is to place

an RF choke across the antenna terminals. This gives you a DC ground [path but leaves the antenna RF-hot. At 10-meters, a 100 micro-H RF choke provides about 1800 ohms of reactive isolation, but a low resistance to charge build-up. Just be sure your coax braid is grounded somewhere along the line so that the charge has somewhere to go other than to your equipment.

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

Station Grounding: Everyone is familiar with the need for a common ground bus for all station equipment with as short a lead as possible to a ground rod outdoors. If you have a tower, it should also be ground rodded. All ground rods (including the house ground at the electrical service entry) should be connected together by the largest copper wire you can obtain. Some folks use copper flashing cut into long strips. These days, braid is not recommended because its very large surface area open to weather deteriorates it quickly. Use solid mechanical connections, not solder (which melts in the presence of lightning like a teenager in the presence of a rock star: instantly).

If ground rods are widely separated, add ground rods in a row from end to end, spaced about the length of each ground rod apart. This is not over-kill—just the opposite. It is over-safe by holding the resistance between everything in your house and shack at the absolute minimum. Even a slight resistance may give a lightning surge an alternative path to ground through your “stuff.”

10 Meter Beacons

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

I would appreciate a message from anyone with thoughts of activating a beacon. wi5v.be@gmail.com

73 Dennis Stice WI5V #35806

IARU Region 2 HF Beacon Coordinator

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

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

Steve Wagner, W7WHB
(#77836)

Net Report for 3rd Quarter 2023

Monday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
3-Jul	4	0
10-Jul	6	0
17-Jul	XX	0
24-Jul	XX	0
31-Jul	7	1
7-Aug	6	0
14-Aug	5	0
21-Aug	34	9
28-Aug	7	0
4-Sep	8	1
11-Sep	22	6
18-Sep	31	7
25-Sep	10	0

Tuesday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
4-Jul	5	0
11-Jul	4	0
18-Jul	5	0
25-Jul	5	0
1-Aug	10	0
8-Aug	5	0
15-Aug	5	0
22-Aug	5	0
29-Aug	6	0
5-Sep	9	1
12-Sep	7	0
19-Sep	7	0
26-Sep	22	5

Wednesday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
5-Jul	6	1
12-Jul	2	0
19-Jul	1	0
26-Jul	XX	0
2-Aug	2	0
9-Aug	XX	0
16-Aug	XX	0
23-Aug	1	0
30-Aug	0	0
6-Sep	2	0
13-Sep	27	10
20-Sep	XX	0
27-Sep	15	6

Thursday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
6-Jul	XX	0
13-Jul	XX	0
20-Jul	XX	0
27-Jul	XX	0
3-Aug	XX	0
10-Aug	XX	0
17-Aug	XX	0
24-Aug	XX	0
31-Aug	XX	0
7-Sep	11	5
14-Sep	9	3
21-Sep	32	2
28-Sep	31	5

Friday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
7-Jul	15	6
14-Jul	9	0
21-Jul	13	3
28-Jul	5	0
4-Aug	8	2
11-Aug	8	0
18-Aug	8	0
25-Aug	5	0
1-Sep	18	1
8-Sep	16	3
15-Sep	22	4
22-Sep	33	11
29-Sep	24	5

Saturday Nets

28.300 MHz		
DATE	TOTAL	NO 10#
1-Jul	XX	0
8-Jul	XX	0
15-Jul	XX	0
22-Jul	XX	0
29-Jul	XX	0
5-Aug	XX	0
12-Aug	XX	0
19-Aug	XX	0
26-Aug	XX	0
2-Sep	XX	0
9-Sep	XX	0
16-Sep	12	3
23-Sep	25	11

XX -NO NET CALLED
XXX -NO REPORT RECEIVED

Kudos To...

V51MA, Mike, Thursday Net Control -- Is appreciated in all his volunteering and dedication to the 10-10 International net. Mike has covered many nets where we have not had a "Net Control" and or someone has not been able to cover their net. Mike has always been there to step up and get the job done for our organization. Thank you Mike.

A special thank you to W6WQA, Tim for assisting WB6OJB, Doc in his operation of the Monday nets. Tim has been a constant relay for Doc and helps in getting Doc the high number of check-ins to the Monday nets. Thank you Tim.

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Monday	Doc, WB6OJB	#70675	CA
Tuesday	Ray, K7CWS	#50288	AZ
Wednesday	(OPEN)		
Thursday	Mke, V51MA	#64688	NAMiBIA
Friday	Steve, W7WHB	#77836	AZ
Saturday	Augustine, WA4GQJ	#78026	FL
Alternate	Tim, K1IEB	#74965	TX
Sunday	NEVER ON SUNDAY		



QSO Parties

Dan Morris, KZ3T
 (#41015)

2023 Sprint QSO Party

10-Oct

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. DL8YBM	36109	75	399	549
2. KE6GFI	72985	55	114	224
3. NK4T	31222	34	91	159
4. AB6QM	63114	36	74	146
5. DH1PAL	69212	40	31	111
6. N7UQ	72774	24	46	94
7. DL6DK	39944	39	11	89
8. N1API	25468	24	40	88
9. KB4LOA	78009	9	65	83
9. KM4ODS	77504	15	53	83
10. WB6IZG	55393	24	13	61

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
W0RTV	13962	5	4	14

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	24	40	88

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2SUH	407	17	20	54
W2VTV	71275	7	1	15

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
NK4T	31222	34	91	159
KB4LOA	78009	9	65	83
KM4ODS	77504	15	53	83
KZ3T	41015	9	13	31
KO4PK	60883	8	2	18
AK4YS	75328	7	1	15
K1HG	65447	5	0	10
NC4GK	77965	2	0	4

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N7UQ	72774	24	46	94
KD5ILA	77652	8	12	28
KD5DE	33513	11	3	25
AD5IF	73372	3	6	12

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	36	74	146
WB6IZG	55393	24	13	61

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
KE6GFI	72985	55	114	224
N7QOZ	62599	7	6	20
KA7RRA	74459	6	5	17
N7YG	65084	3	10	16
AJ7B	7675	5	1	11

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
W8KNO	71899	3	7	13

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
AK4YS	75328	7	1	15
AD5IF	73372	3	6	12

FRANCE

CALL	10-10#	CTX W	CTX WO	TOTAL
F6IRG	39399	11	10	32

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	75	399	549
DH1PAL	69212	40	31	111
DL6DK	39944	39	11	89
DF3TE	69610	17	0	34

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	36	74	146
DH1PAL	69212	40	31	111
N7UQ	72774	24	46	94
N1API	25468	24	40	88
KB4LOA	78009	9	65	83
KM4ODS	77504	15	53	83
WA2SUH	407	17	20	54
DF3TE	69610	17	0	34
F6IRG	39399	11	10	32
KZ3T	41015	9	13	31
KD5ILA	77652	8	12	28
KD5DE	33513	11	3	25
N7QOZ	62599	7	6	20
KO4PK	60883	8	2	18

LOW POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
KA7RRA	74459	6	5	17
N7YG	65084	3	10	16
W2VTV	71275	7	1	15
W0RTV	13962	5	4	14
W8KNO	71899	3	7	13
AJ7B	7675	5	1	11
K1HG	65447	5	0	10
NC4GK	77965	2	0	4

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	75	399	549
KE6GFI	72985	55	114	224
NK4T	31222	34	91	159
DL6DK	39944	39	11	89
WB6IZG	55393	24	13	61

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
DF0IA	68914	75	399	549	DL8YBM
DL0BIC	77526	39	11	89	DL6DK
K4MN	24874	15	53	83	KM4ODS
DK0DWK	73418	33	0	66	DH1PAL
DK0HHC	73417	33	0	66	DH1PAL
DL0KAC	73416	17	0	34	DF3TE
W5RRV	42114	11	3	25	KD5DE

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
KD5ITM	74721	3	10	16	0
W7VC	0	2	0	4	0

2023 Fall CW QSO Party

Oct 21 - 22

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. WA7NB	74754	37	38	112
2. K7JF	6334	19	7	45
3. KZ3T	41015	10	23	43
4. WB6IZG	55393	15	12	42
5. KD5DE	33513	14	12	40
6. KI4W	62657	10	9	29
7. KO4OL	67730	7	11	25
8. WA2SUH	407	8	5	21
9. AK4YS	75328	8	0	16
10. AJ7B	7675	6	3	15

CALL AREA ORDER

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2SUH	407	8	5	21
NC2M	38720	5	1	11

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3JXW	4377	1	2	4

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KZ3T	41015	10	23	43
KI4W	62657	10	9	29
KO4OL	67730	7	11	25
AK4YS	75328	8	0	16
NC4GK	77965	7	0	14
KM4ODS	77504	0	11	11
KA5VZG	46596	4	0	8
NJ8J	77827	1	0	2

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
KD5DE	33513	14	12	40
KG5SSB	77934	1	0	2

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
WB6IZG	55393	15	12	42

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
WA7NB	74754	37	38	112
K7JF	6334	19	7	45
AJ7B	7675	6	3	15

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
AK4YS	75328	8	0	16

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
K7JF	6334	19	7	45
KZ3T	41015	10	23	43
KD5DE	33513	14	12	40
KI4W	62657	10	9	29
KO4OL	67730	7	11	25
WA2SUH	407	8	5	21
AJ7B	7675	6	3	15
NC4GK	77965	7	0	14
KM4ODS	77504	0	11	11
NC2M	38720	5	1	11
KA5VZG	46596	4	0	8
WA3JXW	4377	1	2	4
KG5SSB	77934	1	0	2
NJ8J	77827	1	0	2

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
WA7NB	74754	37	38	112
WB6IZG	55393	15	12	42

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
POSSUM TROT	6	124
STEAMBOAT	1	40
CHIEF SEATTLE	1	15

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
K4MN	24874	0	11	11KM4ODS	

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
W2XYZ	0	12	5	29	0
KE6K	26831	0	5	5	0
F5NBX	45882	1	1	3	0

2023 Fall DG QSO Party

November 11-12

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. AJ7B	7675	32	6	70
2. N7WLC	63782	23	5	51
3. WA2HMM	40510	22	5	49
4. KM4ODS	77504	17	12	46
5. KZ3T	41015	18	9	45
6. W2VTV	71275	19	5	43
6. WA3GM	46927	17	9	43
7. W5SUM	2019	16	10	42
8. KD5DE	33513	16	7	39
8. KD5ILA	77652	15	9	39

TOP TEN (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
9. KM5FF	50356	16	6	38
10. F6IRG	39399	10	1	21
10. KN0VA	77592	10	1	21
10. W5HRP	78218	9	3	21

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
KN0VA	77592	10	1	21

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	22	5	49
W2VTV	71275	19	5	43

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	17	9	43

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KM4ODS	77504	17	12	46
KZ3T	41015	18	9	45
KK4AMR	76031	8	1	17
NC4GK	77965	7	1	15
KA5VZG	46596	3	1	7

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
W5SUM	2019	16	10	42
KD5DE	33513	16	7	39
KD5ILA	77652	15	9	39
KM5FF	50356	16	6	38
W5HRP	78218	9	3	21
KM5EH	71103	10	0	20

CALL AREA 5 (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
AA5AH	78106	3	2	8

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
N7WLC	63782	23	5	51

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
AJ7B	7675	32	6	70
W7JSD	76248	3	0	6

FRANCE

CALL	10-10#	CTX W	CTX WO	TOTAL
F6IRG	39399	10	1	21

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
AJ7B	7675	32	6	70
N7WLC	63782	23	5	51
WA2HMM	40510	22	5	49
KM4ODS	77504	17	12	46
KZ3T	41015	18	9	45
W2VTV	71275	19	5	43
WA3GM	46927	17	9	43
W5SUM	2019	16	10	42
KD5DE	33513	16	7	39
KD5ILA	77652	15	9	39
KM5FF	50356	16	6	38
F6IRG	39399	10	1	21
KN0VA	77592	10	1	21
W5HRP	78218	9	3	21
KM5EH	71103	10	0	20
KK4AMR	76031	8	1	17
NC4GK	77965	7	1	15

LOW POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
AA5AH	78106	3	2	8
KA5VZG	46596	3	1	7
W7JSD	76248	3	0	6

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
POSSUM TROT	5	169
STEAMBOAT	4	122
CHIEF SEATTLE	1	70
NM MUD DUCKS	2	58

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
K4MN	24874	17	12	46	KM4ODS
W5RRV	42114	16	7	39	KD5DE
WN5AIA	77623	1	0	2	W5SUM

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
N6SPP	77685	15	4	34	0
N0LMQ	13008	6	0	12	0

2024 Ten-Ten QSO Party Schedule

Event	Dates	Postmark
Winter Phone	Feb. 3-4	Feb. 12
Spring Digital	April 27-28	May 6
Spring CW	May 4-5	May 13
Open Season	June 1-2	June 10
Weak Signal	July 13-14	July 22
Summer Phone	Aug. 3-4	Aug. 12
Sprint	Oct. 10	Oct 18
Fall CW	Oct. 19-20	Oct. 28
Fall Digital	Nov. 9-10	Nov. 18
Anniversary (62)	Jan 1 - Dec 31	Jan 8, 2024
Meet the Volunteers	Jan 1 - Dec 31	Jan 8, 2024

ELECTION 2024

CALL FOR NOMINATIONS

10-10 International holds an election every two years. In the year 2024 we will be electing the President, and three (3) Directors, whose terms will commence January 2025. The organization does not run itself, so if you have ever thought about participating in the running of our organization, this is a great opportunity to do so! Nominations must be sent to the Nomination Committee prior to May 1, 2024.

The Nominating Committee develops a slate of eligible candidates by May 15, 2024. The chairman of the committee will provide each potential nominee with information regarding eligibility and specifying the information required by the committee. The chairman of the committee will notify members selected by the Nominating Committee, in writing. Members not selected by the committee may petition for candidacy by having a petition signed by 50 full members and presented to the Secretary by June 15, 2024. A nomination information form is required and is available from the Nominations Committee Chairperson. Further questions concerning the election/nomination process may be addressed to Mel Sojka, KD5DE #33513 kd5de@nwla.com.

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

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

SELECTION BY THE NOMINATING COMMITTEE

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

PETITION FOR CANDIDACY

Members and nominees not selected by the nominating committee may petition for candidacy. Such petitions shall be signed by 50 current members and submitted to the Secretary by June 15, 2024.

BIOGRAPHICAL SKETCH

All Candidates, whether selected by the Nominating Committee or by Petition, must submit a biographical information form and biographical sketch. The Nominating Committee will use this information in the process of selecting a slate of Candidates. Those who petition for nomination must submit a biographical information form to be provided by and returned to the Secretary. This biographical outline, not to exceed 200 words of narrative, shall be printed in the July 2024 issue of the 10-10 News.

NOTIFICATION OF POTENTIAL NOMINEES

The chair of the Nominating Committee shall notify members selected by the Nominating Committee to be candidates in writing. The chair of the Nominating Committee shall also notify, in writing on or before May 15, 2024, members who are not selected by the nominating committee, and inform them of the proper method of placing their names in nomination by petition.

ELECTION TIME LINE

- ☑ Call for Nominations will be printed in the January and April 2024 edition of the 10-10 NEWS.
- ☐ 1 May 2024 - Candidates must have names and bios to Nominating Committee.
- ☐ 15 May 2024 - Nominating Committee will develop slate of candidates and notify members who applied but were not selected.
- ☐ 15 June 2024 - Deadline for Petitions for Candidacy to Secretary.
- ☐ Ballots and all Candidates' bios to be printed in July 2024 edition of the 10-10 NEWS.
- ☐ 1 October 2024 - **"In Hand"** Deadline for return of Ballots.
- ☐ 1 November 2024 - Election results posted on 10-10 Web Site.
- ☐ 1 January 2025 - Newly elected officers take office.
- ☐ Election results posted in January 2025 edition of the 10-10 NEWS.

TEN-TEN AWARDS

To apply for any 10-10 Award, paid-up membership is mandatory. You are not required to send in proof as the Awards Manager has the current membership database. All contacts made for any award must be legal 10-10 contacts (a full exchange of Call, Name, QTH and 10-10 number from BOTH members). An application listing the rules for each award is available from the appropriate Awards Manager listed at the end of the award listings. Please send your request with a #10 (business size) envelope, self addressed and stamped with one unit of first class postage (or enclose one IRC for GB Award), to the Award Manager for the Award you are interested in obtaining. Please no phone calls to Award Managers for an application or list of rules. Contact requirements and rules for all Awards are available on the 10-10 website at 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.	11400	DL8YBM	36109
5.	10700	N1API	25468
6.	9800	N5DAS	35877
7.	8800	AC6FU	10937
8.	8200	K5FBS	48461
9.	8100	WB3FGU	16728
10.	6400	AA1KS	56510

An historic honor role list for Silent Keys can be found on the 10-10 Website under Activity Historic 10-10 Achievements

CW AWARDS

50 CONTACTS

NO.	CALL	10-10#
50	KD5DE	33513

75 CONTACTS

NO.	CALL	10-10#
40	KD5DE	33513

100 CONTACTS

NO.	CALL	10-10#
30	KD5DE	33413

TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	4400	K6MQ	71487
2.	3700	DL0X	75555
3.	2100	W8PGW	74726
3.	2100	VE4WSC	50470
5.	2000	W1NRG	29650
6.	1300	WB2HIW	38770
7.	1200	NM5MD	72385
7.	1200	W4MNM	75450

W.A.C.

NO.	CALL	10-10#
635	K5RPW	77183

NEW VP MEMBER

NO.	CALL	10-10#
3372	NC2M	38720
3373	AJ7B	7675

AWARDS MANAGERS

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
Bar 1000+	Rob Cromer, KE0MIZ #77647	12932 Palamino Place, Wellington, CO 80549	(970) 692-4421	rdcromer@rccomps.net
VP Bar	Thomas Cole, KI5ELV #77743	3238 Wagner St., Shreveport, LA 71108	(318) 617-0562	ki5elv@yahoo.com
VP WAS	Charles (Chuck) Dockery, N7UQ #72774	112 S. Rolling Meadows Dr. Wylie, TX 75098	(469) 829-5462	chuck@n7uq.com
VP Lucky 13	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
WAC	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	kevinemtid@tvconnect.net
Counties	Mark Tatlor Murphy, KC4HIT #57488	PO Box 936, Conover, NC 28613-0936	(336) 561-3630	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	Jeff Steinkamp, N7YG #65084	6765 E. Rosewood Cir., Tucson, AZ 85710	(520) 546-2290	n7yg@n7yg.com
Mobile	Paige Butler, W0FLZ #48658	21922 36th Ave NW, Stanwood, WA 98292	(425) 308-5561	w0flz62@gmail.com
OM/XYL	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	buckml@lobo.net
WAS	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	wb0con@comcast.net
WPX	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	elbble@gmail.com
GB Counties	Mike Crawshaw, G4BLH #18446	35 Edward Drive, Clitheroe, Lancashire, England BB7 1EF	No Phone	g4blh@zen.co.uk

Meet The Volunteers

A year-long event to find and make contact with all of the people who devote time to keep 10-10 an active organization!

The goal? Make contact with each of the following volunteers during 2024

AJ7B, Randy	Editor	N1API, Al	Committee Member
G4BLH, Mike	Awards - GB	N3GTY, Bill	Committee Member
K1IEB, Tim	Net Control	N5MT, Mike	Awards - DX
K5BKT, Peg	Committee Member	N7UQ, Chuck	Awards - VP WAS
K5PLH, Phyllis	Historian	N7YG, Jeff	IT Manager
K6RDK, Dave	Data/ Membership Manager	NF0J, Dave	President, W6OI Trustee
K7CWS, Ray	Net Control	NP2MR, David	Committee Member
KC4HIT, Mark	Awards - Counties	NS6X, John	Committee Member
KD2NOM, Mark	Director	NZ1I, Kevin	Awards - WAC
KD5DE, Mel	Past President / Supplies Mgr	VA7GY, Garry	Committee Member
KE0MIZ, Rob	Awards - 1000+	V51MA, Mike	Net Control
KF4WKY, Mike	Net Control	W0FLZ, Paige	Award - Mobile
KG5RJ, Greg	Committee Member	W5DJT, David	Committee Member
KI5ELV, Thomas	Awards - VP Bars	W5SUM, Ronnie	Vice President / Secretary
KI6OY, Lee	Awards-CW	W7WHB, Steve	Director
KJ5SZ, Hugo	General Counsel	W9HT, Joshua	Committee Member
KM4ODS, George	Director	WA2SUH, Larry	Director
KM5EH, Marcus	Director	WA4KUP, Brad	Committee Member
KM5FF, Ed	Awards-WPX	WB0CON, Eva	Awards - WAS
KR7RK, Keith	Treasurer	WB6OJB, Arnold	Net Control
KZ3T, Dan	QSO Party Manager		

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



Silent Keys

Mark Steele, KD2NOM
(#77596)

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

10-10#	Call	Name - City, State
03743	K0HWE	Albert S. Hammond - Atkins, IA
04943	W3UQH	Duane C. Redline - Fleetwood, PA
05765	W5HTR	Fred E. Zimring - Richardson, TX
06194	WA0TSY	Timothy P. Haake - Saint Peters, MO
06256	WB8GWK	Dalbert E. Green - Adrian, MI
06338	KI4RO	John P. Smith - Harts, WV
06448	W4SOD	Joseph E. Howell - Folly Beach, SC
09989	WB5FBS	Robert G. Priez - Hammond, LA
11404	N7MB	Michael L. Bill - Bloomington, IL
11938	W0ULU	Fred W. Schmidt - Cottage Grove, MN
13949	K0HW	R. James Wennblom - Elk Point, SD
14079	K4WMS	William M. Smith - St. Stephens Church, VA
16134	W8MSK	Jerome V. Wittkoski - Grand Rapids, MI
16469	K7ZP	Frank E. Hall, Jr. - Oak Harbor, WA
16795	K3ZW	Paul D. Hecker - Rockford, IL
23969	WB1ATK	Richard F. Eichacker - Rockport, ME
24139	W4DKL	William H. Holliday - Virginia Beach, VA
24284	N9SH	Sharon E. Harlan - Rockford, IL
29176	KB4KA	Terry A. Cox - Little Rock, AR
29318	WW2T	Philip R. Muller - Amsterdam, NY
29765	N4APZ	Deborah O. MacDonald - Waynesboro, GA
30668	WA6WFC	Gary P. Mork - Whittier, CA
30890	NN3V	Charles T. Ristorcelli - San Diego, CA
31137	N9AAI	Chester M. Rainek - Wauwatosa, WI
33179	KC9ET	Virginia K. Ovrud - Hartford, WI
33896	K3UMV	William L. Drager - Hagerstown, MD
35812	K5HOY	Joanne C. Thompson - Placitas, NM
37140	K1PIG	Martin W. Rigoulot - Fayette, ME
37274	KQ4NA	James F. Stagg - Waynesboro, TN
37316	N4VE	Michael D. Atkins - Winston-Salem, NC
38279	W9DM	Dennis R. Maxey - Anderson, IN
38293	KD9KB	George L. Gross - Quincy, IL
41815	W4TWW	Jack N. Norris - Six Mile, SC
44758	WK4W	James E. McKinnon - Rural Retreat, VA
45646	N5LTX	Edward T. Ostergard - Westfield, WI
48045	NQ3Z	William E. Randall, Jr. - Monkton, MD

10-10#	Call	Name - City, State
49401	WB6AWO	Richard D. Fritz - Enumclaw, WA
49688	K9QID	Donald G. Brandeau - Crystal Lake, IL
50670	N9HWO	Phillip B. Fleming - Canton, OH
50795	KC4ERW	Thomas Castle - Lowmansville, KY
50846	WA7ETH	Hugh E. Empey - Marysville, WA
53086	WA4VA	Harold E. Sager - Virginia Beach, VA
53430	W3KDU	William F. Grow - Shamokin, PA
55273	KA0UFI	Michael R. Rumelhart - Vermillion, SD
55658	K7DPT	Leonard G. Woodford - Covington, WA
57555	W4KHB	Kenneth H. Blanton, Jr. - Shelby, NC
58475	N5RLQ	Esther L. Gollihar - Palacios, TX
58639	KA9MPC	Edward T. Higby - Dixon, IL
58782	KF0ZG	David G. Yohnke - Wall Lake, IA
59805	N8OQC	Andrew F. Eisenman - Cuyahoga Falls, OH
61697	KD1RM	Gerard F. Foisy - Cumberland, RI
62474	KD1KD	Etienne G. Olivier - Vernon, CT
64347	KK5FY	Milton Dobsky - Houston, TX
65920	KB8RYA	Donald E. Forshaw - Crestline, OH
68030	NO2J	Charles H. Walters - Corning, NY
68274	KT4BW	Peter A. Tiffany - East Lansing, IL
69059	W7ART	Arthur G. Hoffman - Mesa, AZ
72513	K0XH	Michael R. Clayton - Mapleton, IA
73597	KE4ISW	Michael L. Rogers - Richmond, KY
73651	KG7A	Ronny W. Bolsega - Mesa, AZ
73968	NH7FY	Barbara H. Darling - Keaau, HI
74373	K5RCD	Randall C. Davis - Floresville, TX
74931	W6GMT	Brock Thomsen - Marcell, MN
75339	KB9OZR	Ronald K. Rust - North Judson, IN
76976	W3YR	Theodore J. Wieworka - Forest Hill, MD
77695	W5JYB	John J. Badeaux - Waskom, TX
78081	W4WCD	Walter C. Dreyfus - Boca Raton, 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

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.

WHERE DOES GAIN COME FROM?

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

Earlier (Issue 3 – 2015) we looked at 3 antennas modeled in free space: a dipole, a 2-element Yagi, and a 3-element Yagi. All were made from aluminum tubing and all were monoband antennas with no traps or other lossy components. The patterns we showed made it clear that the 3-element Yagi had the most gain and the highest front-to-back ratio. But that does not make it very clear from where the gain comes, given a constant transmitter output.

Figure 1 repeats the azimuth patterns to refresh our memory. An azimuth pattern is like standing over the antenna and seeing its radiation. For free space

patterns, we use 0° elevation, since the pattern is strongest straight on. Over ground, we generally use the elevation angle of maximum radiation (also called the "take-off" angle) for general comparisons. The patterns in the figure are for antennas at a height of 1 wavelength, and all three have a take-off angle of 14 degrees.

The azimuth pattern does not give a whole picture of where the power is going. It does show that the beams project more power in the forward direction than the dipole, while "robbing" power from the rear. In reception terms, signals from straight ahead are strongest and weakest to the rear. However, they are weakest of all off the sides of the antennas.

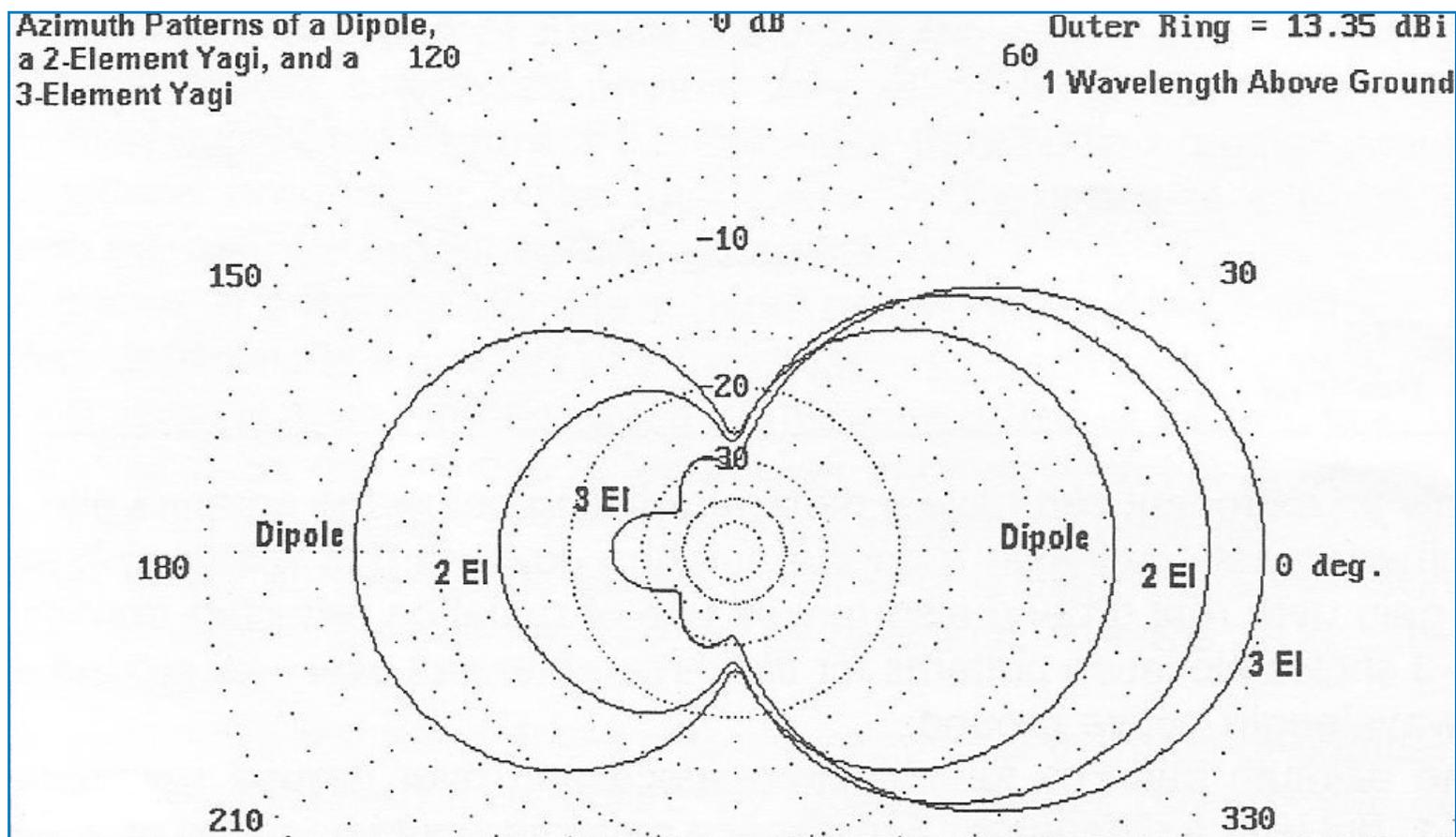


Figure 1. Azimuth Patterns v.s. Number of Elements

To accurately see the power pattern of an antenna, we must also look at it from the side in an elevation pattern. An elevation pattern is like standing beside the antenna and looking through the aluminum tubes, while seeing the radiation. Figure 2 gives an elevation pattern in free space for the same 3 antennas (3-element Yagi, 2-element Yagi, and dipole). (Free space is like being in “outer space”, that is, there is nothing in any direction to reflect any of the radiation from the antenna. So the pattern extends downward as well as in all other directions.) Notice the displacement of the beam antenna patterns to the right, which corresponds to the forward lobe of the beam antenna azimuth patterns.

Only an astronaut can have a pattern radiating below the antenna site. On earth (or any other planet), radiation from the antenna downward is reflected back upward. Antenna gain over real ground also makes use of radiation reflected

from the ground. Figure 3 shows elevation patterns for the three antennas over real ground at 35 feet, about 1 wavelength above ground.

The azimuth patterns for both free-space and over ground resemble those of Figure 1, but with a difference. Free-space patterns would be taken at a zero-degree elevation angle – that is straight ahead (to the direct right in Figure 2). As we noted earlier, patterns for antennas over ground use the angle of maximum power, the take-off angle. The elevation patterns in Figure 3 display this angle clearly and show that horizontal antennas above a real ground have a number of higher angle lobes as well as the main lobe. The complex pattern results from adding and subtracting reflected radiation from the above-ground pattern, depending on its relative phase.

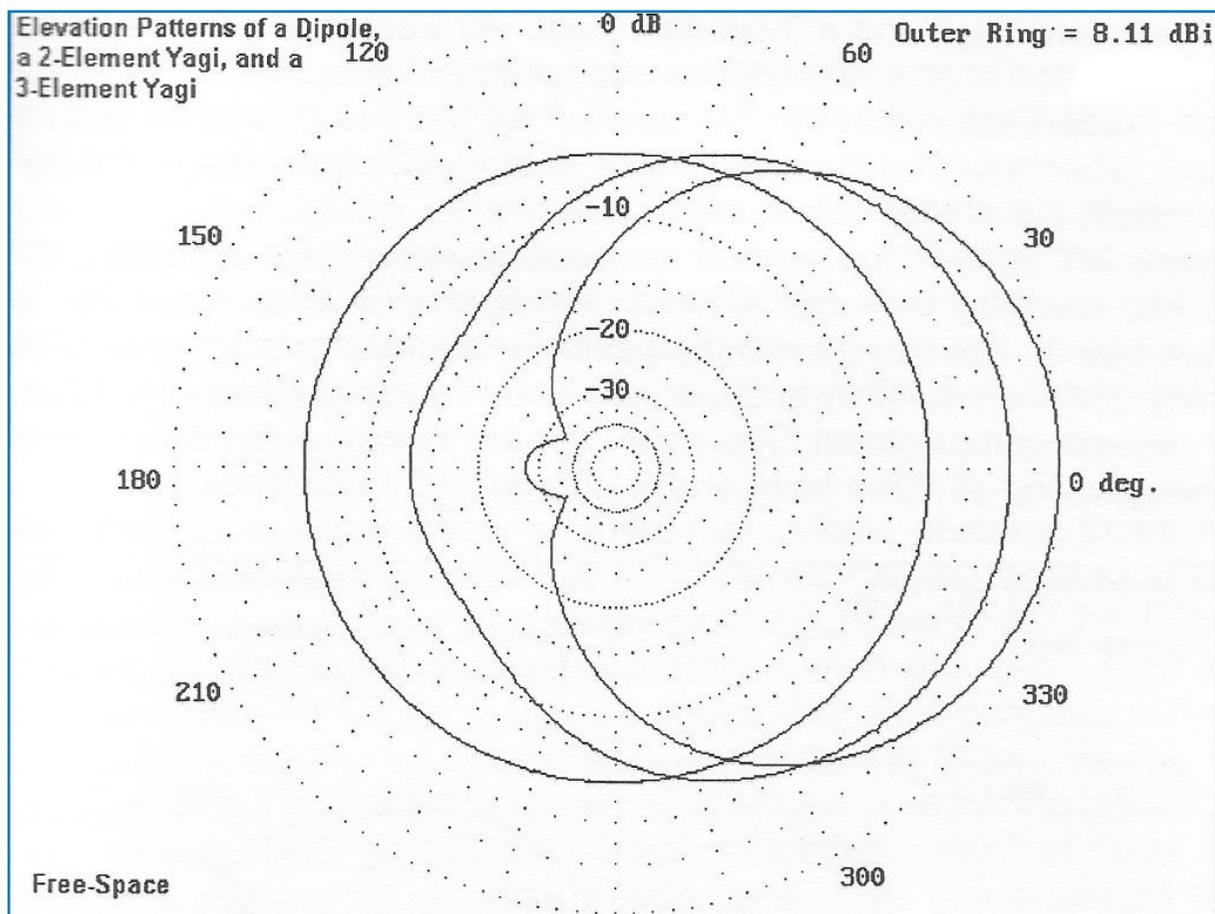


Figure 2. Elevation Patterns v.s. Number of Elements in Free Space

Comparing Figure 2 and Figure 3 can lead to a possible misunderstanding, since the apparent radiation patterns are the same size in the two graphics; that is, the radiation just reaches the outer ring. However, that way of styling our drawings is just a convenience for making comparisons within each drawing. In actuality, the power in the lowest lobe of Figure 3 for each type of antenna is much greater than the power in just the horizontal direction of Figure 2. See the gain values in the upper right corners of each figure. Expressed another way, all of the power represented by the spheres or near-spheres in Figure 2 is flattened, thus putting greater power into the lobes that extend horizontally. The total power in the lobes is a result of adding reflections to the main or incident power going that way.

The next result is that the ultimate superior performance of the 3-element Yagi over the other two antennas is a product of 2 major factors. Each antenna over ground has gain over the same antenna in free space. (This gain is true of all antennas.) Second there is the directional gain of one antenna over another by virtue of design. Both of these gain sources are matters of taking antenna power from one direction and putting it into another direction. So gain is always a matter of finding where the strongest part of our radiation goes. The net radiation in all directions remains as constant as the power level we use.

However, since the gain of one antenna relative to the gain of another antenna can be both calculated and controlled by good antenna design, we can – within limits – achieve a good bit more success than early radio pioneers in making

and maintaining radio communications. The top antenna in our collection is far from the best forward gain achiever ever designed. Yagis may have any number of elements up to the limit that one might support on a boom – even if we add trusses to the boom. Other types of designs, such as rhombics, are also capable of very high gains. However, gain always comes at a price: size. Moreover, gain alone is not always the only advantage we want. A good front-to-back ratio is a measure of how well an antenna rejects QRM from the rear.

Sometimes, we do not want all of the gain and front-to-back ratio that we can obtain in a large antenna. For example, for local net operations, a 2-element Yagi seems to work best for me. It has some gain over a dipole, but the lower front-to-back ratio lets me hear (at a weaker level) when someone behind me wants to check into the net.

From some types of operation, any kind of a directional antenna may be too directional, even the bi-directional dipole. For VHF repeater work, we tend to use omni-directional vertical antennas when we are mobile or when using a handi-talkie. In both cases, we are constantly changing our orientation to the fixed repeater site. So having equal radiation in all directions becomes an advantage, even if that radiation is weaker in any given direction than if we could point a multi-element beam toward the repeater.

So the aim of these notes is not necessarily to promote gain except where it will help us with the job we need to get done. Instead, the point is only to understand where antenna gain comes from.

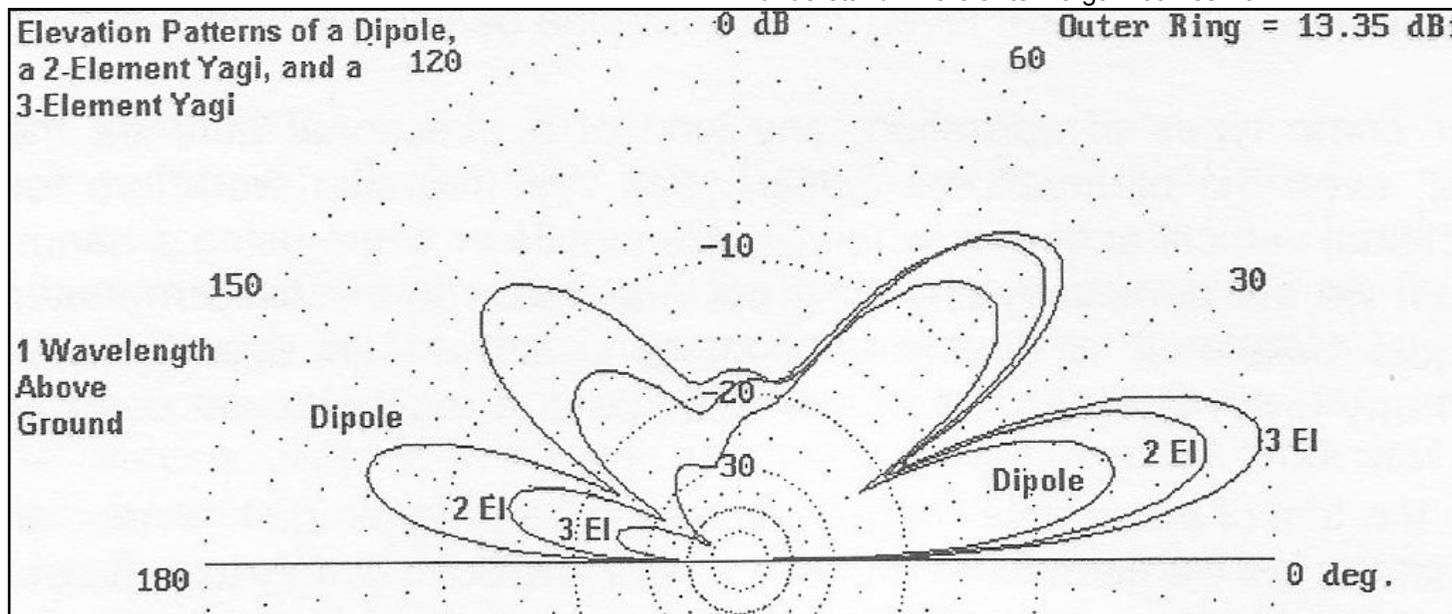


Figure 3. Elevation Patterns v.s. Number of Elements over Ground

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 to be awarded. 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 ???. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February
0001 UTC Saturday through 2359 UTC Sunday.

Spring Digital - held on the last full weekend in April.
0001 UTC Saturday through 2359 UTC Sunday.

Spring CW - held on the first full weekend in May.
0001 UTC Saturday through 2359 UTC Sunday.

Open Season (PSK) - held on the first full weekend in June
0001 UTC Saturday through 2359 UTC Sunday.

Weak Signal - held on the second full weekend in July - 0001 UTC Saturday through 2359 UTC Sunday.

Summer Phone - held on the first full weekend in August.
0001 UTC Saturday through 2359 UTC Sunday.

Sprint - a 24 hour event held on October 10th (10-10).
0001 UTC through 2359 UTC.

Fall CW - held on the third full weekend in October.
0001 UTC Saturday through 2359 UTC Sunday.

Fall Digital - held on the second full weekend in November.
0001 UTC Saturday through 2359 UTC Sunday.

5.2.3 FREQUENCY AND MODES

Direct unassisted contacts only are permitted. Repeater, Satellite, IRLP, Echolink, or any other similar type of assisted contacts are NOT allowed. Based on the appropriate band plan for the country of operator, CW QSO Parties should be operated in the CW area of the 10-meter band and operated using CW only. Digital QSO Parties should be operated in the digital area of the 10-meter band and operated using Digital modes only (RTTY, PSK, etc). Phone QSO Parties must be operated in the PHONE area of the 10-meter band and may be operated using any approved method (SSB, FM, AM). The SPRINT utilizes all operating modes in the 10-meter band.

5.2.4 ENTRY CLASSIFICATION

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

QRP: Includes single station operators and can also include OM/XYL teams or any families or groups of people using individual call signs and 10-10 numbers. CW/Digital/RTTY operations max 5 watts and Phone operations max 10 watts during the entire event.

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

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

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

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

5.2.5 TRANSMITTER INFORMATION

An operator may operate mobile, portable or fixed. If they change their exchange QTH during the QSO Party, the operator must show same in their log. The operator may enter a log from one call district, province, or DX country. Multi-transmitters (two or more transmitters operating simultaneously, sharing one call sign) are NOT permitted in any QSO Party. No matter your physical location, your QTH is the location of the transmitting antenna.

5.2.6 EXCHANGE

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

5.2.7 QSO POINTS

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

5.2.8 CHAPTER SCORE ASSIGNMENT

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

TEN-TEN QSO PARTY RULES

5.2.9 QSO PARTY ENTRIES

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

5.2.9.1 ENTRY DESCRIPTION

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

5.2.9.2 ENTRY DEADLINES

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

5.2.10 QSO PARTY RESULTS AND AWARDS

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

5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

These events run from January 1 0001 UTC to December 31 2359 UTC. In the Anniversary event, entrants may submit a log of contacts with members that have the anniversary year contained in their membership number. Example: 2022 is the 60th anniversary year of 10-10 International Net, Inc. Contact with members containing a "62" in their membership number (i.e., 72062, 69625,66254, 62126, 00627) 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 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 a 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):*

- WINTER PHONE SPRING CW SPRING DIGITAL 10-10 SPRINT
 SUMMER PHONE FALL CW FALL DIGITAL WEAK SIGNAL

Contest Exchange:

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

Entry Information:

Name: _____

Mailing address: _____

City: _____ Zip: _____

State/Province/County: _____

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

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

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

Entry Type *(check one only):*

- LOW POWER HIGH POWER QRP MOBILE
 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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