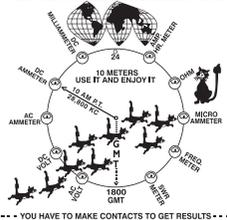


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL

NEWS

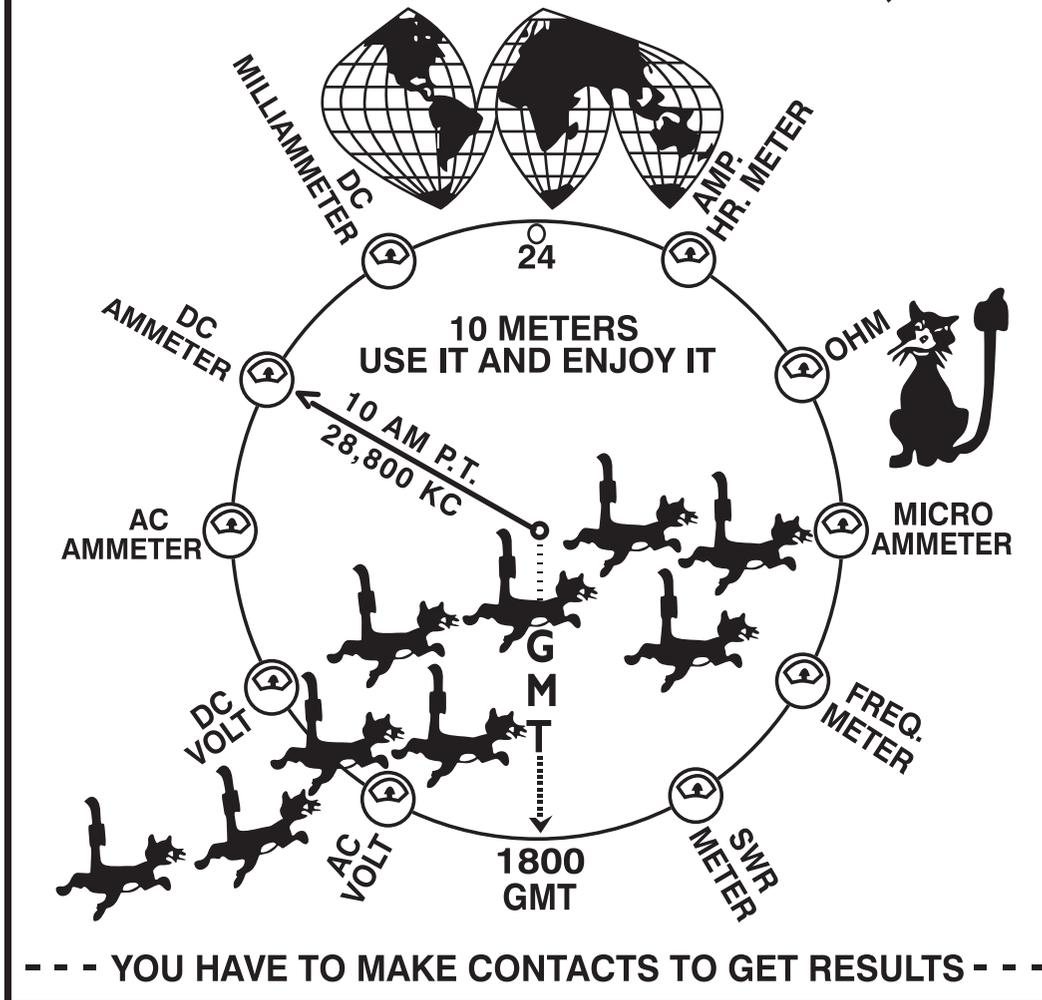


Member
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The Ten-Ten International News

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Each paid-up member will receive a copy. This publication is the property of Ten-Ten International Net and the contributors therein. Permission to reprint is hereby granted, providing suitable credit is shown.

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 2023

PLEASE MAIL ALL ARTICLES AND PHOTOS TO:

EDITOR Ten-Ten News

E-mail: editor@ten-ten.org

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

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

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

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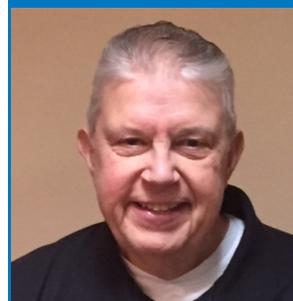
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From the Editor

Randy Mather, AJ7B
(#7675)

The turn out for the Winter Phone QSO party was a great start to this year's QSO Party schedule. Take a look at Dan's column to see the results of the 165 logs that were submitted for the Winter party. This is another good measure on how much 10-meters is opening up during cycle 25.

With Dan Morris' cooperation, I got to see how the "sausage is made" when processing logs submitted for a QSO Party. It's a pretty big task to take all the logs and review them for errors and then tabulate the scores and put it all the results together in a report for publishing both in this newsletter and our web site. My hat is off to you Dan for doing this nine or more times a year. While going through that process, I shared with Dan some ideas I had that might make processing QSO Party logs a lot less tedious. The Winter Phone QSO Party gave us a good sampling of different types of logs and submissions we would have to work with. To help standardize log submissions, Dan has written an article in this newsletter for people who use N1MM Logger for the Ten-Ten QSO Parties. If you use N1MM, you should read and take seriously the suggestions Dan is making. By following Dan's suggestions, you can help Dan make processing your log a lot easier.

You will also find in this newsletter a "how-to" guide on submitting applications for Bar awards. Those of you new to Ten-Ten membership will find this article helpful when you apply for your first Bar award. Something I think we will see a lot more of as the 10-meter band propagation keeps improving.

Pardon me a bit while I toot my own horn here. In the last two issues of 2021 and the first two of 2022, I wrote a series of articles on an Antenna Project I worked on with a friend of mine. As some of you have already noticed, that project got published in the March QST: "A Remote-Controlled Balanced Antenna Tuner." The important point to this is that you got to read about this project in the Ten-Ten International Newsletter FIRST. In fact, you got the complete story. Something that was way too big for a QST article.

So you see, creating a DIY article and publishing it in this newsletter my get you on the National stage. I just had to make a plug for articles to publish in this newsletter.

I hope to bump in to you on this year's Digital and CW QSO Parties.

Randy - AJ7B #7675



From the President

David Ruch NF0J
#19553

Hello from Elephant Butte. It has been a busy couple of months for me since assuming the role of President. Much to learn. Thanks to all for your help and encouragement.

Ten-Ten International had a booth at HamCation 2023, and it was great meeting so many members face-to-face for the first time. There was also membership renewal activity, and several non-members were interested in what we do, why we do it, and how to become a member. We had a good location across from the Flex Radio display and between QCWA and Elecraft's extremely popular booth. Thank you to members who stopped by and offered to help at our booth. A special thanks to Chuck, N7UQ, for delivering our booth materials, setting up the displays, working the show with me, and tearing down the display at the end.

A primary purpose of Ten-Ten International Net is to promote activity on the 10-meter band. One of the ways we do this is by sponsoring nine QSO parties each year. During the low point of the sunspot cycle, QSO party activity slows down, and eventually interest in participating is lost. As most of you know, 10 meters is back! Let's crank up our activity. Even if you make only a call or two, turn in your log!

We have a lot of new hams who are interested in making contacts on 10, and a good time for that is either on our nets or during QSO parties. If you were ever a new ham, you were probably like I was the first time answering a contest CQ: mike or key at the ready, hands shaky and sweaty, terrified that you'll make a mistake. You hear someone calling CQ and throw your call in. They answer you. Panic! In the end, it works out and you've made your first contest contact. Those of us who have many hours of contest experience need to remember our first time. If a new operator asks a question, take the time to answer. Help them learn, and they'll be back.

Since the early 1990s, Ten-Ten International has awarded college scholarships to amateurs around the world via the 10-10 Scholarship Foundation. This year's goal is to award \$2000 scholarships to three deserving hams. Funding for the scholarships is through members' donations, so I encourage you to consider a donation to the foundation. Small donations

are welcome, and I especially encourage those with lifetime memberships to get on board! Details about the 10-10 Scholarship Foundation and making donations are found in each issue of Ten-Ten International News. A history of the scholarship program by Larry Berger, WA2SUH, can be found in the October 2021 issue on page 10.

On a personal note, my new tower has arrived! I look forward to getting it and the KIO Hexbeam up in the air. It has been over twenty years since I was last able to have a rotatable antenna, and I can hardly wait. It should be up by mid-March. I'll announce on Facebook and the TenTenList when the tower is up. I lost all my logs before 2021 in the move to New Mexico, so even if you collected my number in the past, please give me a call when you hear me on the air so I can say hello and collect yours again.

Ten-Ten International will be present at Hamvention 2023, May 19, 20, and 21. Stop by your organization's booth (3810) to say hello and/or renew your membership. I look forward to seeing you in Ohio (and on the air)!

73

Dave NF0J #19553

NEW LIFE MEMBERS

12818	KBØV	Matthew G Dickinson	IL
18358	KG4EPP	Gary M White	TN
42752	KB8BSD	David J Kress Sr	OH
57028	KC4QGT	Larry W Ellis	GA
71713	JA1XNH	Yuichi Kitamura	DX
72257	WJØS	James B Stalzer	SD
75796	KJ4OFD	William D Ivey Jr	NC
76908	W1SWM	Donald Peterson	NY
77939	KM6RRS	Michael A Reiser	CA
78063	KO4RKR	David Hall	NC
78064	KK7CWI	Mark D Stoops	WA
78078	K4VMG	John Holmes	TX
78102	W6GAE	Michael Gaertner	CA
78127	N3BD	Robert W Denny Jr	MD
78133	KN6TMJ	John Whyte	CA
78134	AC9XN	George A Smith	IN
78135	W6AGZ	Thomas P Freedman	OR
78141	WB2VVV	J Chris Fagas	RI
78150	KJ7JYJ	Jeff Seifert	WA

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 last June, the Foundation Board voted to guarantee the funding for three \$2000 scholarships. 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 a donation was received from Arlene Schwartz, KE6GFI, #72985 in memory of Carol Bourne, N6YL, #1637. 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 our online payment information or send your check to me or the Data Manager. Our addresses can be found on Page 28.

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)

N5MT Michael Davidson 2494

Gold (\$500 to \$999)

WB0CON Eva Donaldson 53964
 KB5UJY Kenneth Schulz 63342

Silver (\$100 to \$499)

W7KD Robert Shauger 06454
 NF0J Dave Ruch 19553
 KE6DRN Charles Thompson 68855
 KE6GFI Arlene Schwartz 72985
 AD5IF John McCrevey 73372

Bronze (Up to \$99)

WB2ZFG Phil Crepeau 00294
 WB4VEJ Glenn Cuthrell 15479
 WA7ONE Ronald McCombs 29018
 NA3H Aggie Reynolds 30502
 KA2YDW Barry Sohm 41937
 N3AGS Richard Miskinis 72584
 KC3TYI Casey Ingram 78058
 N3BD Robert Denny, Jr. 78127
 KN6TMJ John Whyte 78133

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

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Doc, WB6OJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Wed (28.380)	Tim, K1IEB	#74965	TX
Thu (28.380)	Bob, N6OPR	#45715	AZ
Fri (28.380)	Steve, W7WHB	#74965	AZ
Sat (28.380)	Mike, KF4WKY	#70191	NC

Alternate
 Sunday **NEVER ON SUNDAY**



Chapter Coordinator

Chuck Dockery, N7UQ
(#72774)

GENERAL NEWS

1) After assuming the duties of chapter coordinator, I sent out email and/or snail mail to all listed active chapters for a response to correct any information listed. I received a response back from all but Ft. McHenry/Cornerstone/Yodar Kritch. If anyone knows something about this chapter, please let me know. **And again:** 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) Reminder of Quarterly Reports Due: **In Extremis** (no report in over a year): Fort McHenry/ Cornerstone/Yodar Kritch, Major League Baseball, Speedway, Tango.

3) **Past Due** (no report received during the prior quarters when due): Down Under, New Mexico Mud Ducks. Reports received after February 28, 2023 (date of this report) are not included here and will be acknowledged in the Chapters section of the 10-10 website (see the date changes for acknowledgement).

4) See www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms for a form to download or www.ten-ten.org/chapters/quarterly-report to fill out and submit electronically. Be sure to notify IT Manager Jeff, N7YG, before using this easy-to-use form so he can add you to the Chapter Management Group. If you do not have internet access, let me know and I will send you a blank form that you can copy and submit.

CHAPTER NEWS

1) Chief Seattle, I received a nice letter from Dan N7QHC. They have moved from Seattle to Snohomish, WA. Since the move band conditions have been very poor and operating conditions not much better, with a smaller lot and not much room for antennae. He is asking if anyone would like to take over as CM and/or call the nets. Someone with better equipment etc. Just to give all an idea of the issues he has reported that his net list is on a computer in a storage shed, he has a paper copy that shows last number listed as 3071, possibly more than ten years old.

2) Aloha, Another nice letter from Irene NH7PE. She says they have good activity in Hawaii for the net. They have had a recent surge in activity of folks looking to get their 10-10 numbers, so keep an ear out for HI. She has been a little stifled due to not having a computer and having to rely on one from the local library. Her electricity consists of solar panels and batteries. The Aloha net uses 28.484 as an alternate frequency, due to 28.490 being the DX calling frequency for Australia and New Zealand.

3) 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 me.

4) **Down Under** CH Bob, ZL1AFU, reports that conditions are beginning to improve. Don't forget to keep an ear out for the down under folks.

5) **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.

6) 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 November 27. 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 new certificate manager. Requirements peculiar to a particular chapter are noted.

(** indicates change)

Bauxite – CM K5BKT, k5bkt@nwla.com. Bauxite and Arkansas Visitor numbers only.

Bay Area – CM K6RDK, k6rdk@arrl.net

Branding Iron – CM DL6DK, bic-cm@voits.de

Castle Craig – CM N1API, n1api@cox.net

Chesapeake Bay – CM Jeff Hamm wa6lhq@arrl.net

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

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

Hanse – CM DL5HAN, dl5han@t-online.de

Houston S.H.O.T – CM N5MT, n5mt@aol.com

Louisiana Pelican – CM N5MT, n5mt@aol.com

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

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

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

Oregon Trail– CH/CM K7QXG, k7qxg2@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.

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

469-829-5462

TEN-TEN NET GUIDE

As of March 1, 2022

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	Cincinnati, OH	28430
SUN	1300	1400	Arlington	Arlington, VA	29200	WED	0100	0200	Houston SHOT	Houston, TX	28488
SUN	1400	1500	Neanderthal	Euskirchen, DL	28355	WED	0200	0300	10-Bar-X	El Paso, TX	28445
SUN	1800	1800	Major League Baseball	Gilbert, Az.	28380	WED	1400	1500	EU DX/Branding Iron/Hanse	Bergkamen, DL	28355
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	WED	1930	1930	Route-66	Apopka, FL	28370
SUN	1930	1930	North Georgia	Atlanta, GA	28415	THU	0100	0100	Cow Town	Arlington, TX	28460
MON	0100	0100	Arizona Desert	Phoenix, AZ	28445	THU	0100	0200	Gateway	St. Louis, MO	28650
MON	0100	0100	Lonestar	Arlington, TX	28460	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	THU	0230	0230	Windfarms	Livermore, Ca	28485
MON	0130	0230	Bauxite	Benton, AR	28470	THU	0230	0330	Up the Crick	Eugene, OR	28450
MON	1630	1730	Chief Seattle	Seattle, WA	28430	THU	1930	1930	Speedway	Rainer, OR	28350
TUE	0001	0100	Ft McHenry/Cornerstone/ Yodar Kritch	Arbutus, MD	28370	FRI	0001	0100	Ft McHenry/Cornerstone/ Yodar Kritch	Arbutus, MD	28370
TUE	0100	0200	CO Centennial/CO Frontier Gang	Lakewood, CO	28340	FRI	0001	1000	Steamboat Plus	Shreveport, LA	28430
TUE	0100	0200	City of Lights	Aurora, IL	28150 CW	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0130	0230	Bauxite	Benton, AR	28470	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530
TUE	0130	0230	City of Lights	Aurora, Il	28720	SAT	1510	1610	Louisiana Pelican	Baton Rouge, LA	28450
TUE	0300	0400	Bay Area	Hayward, CA	28475	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	0430	0430	Aloha	Hilo, HA	28490						
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835						
WED	0001	0100	Castle Craig	Meriden, CT	28375						

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 2023

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	N6OPR, Bob.....	Director
K5PLH, Phyllis.....	Historian	N7UQ, Chuck,	Awards - VP WAS
K6RDK, Dave	Data/ Membership Manager	N7YG, Jeff	IT Manager
K7CWS, Ray	Net Control	N9AC, Gerald	W6OI Trustee
KC4HIT, Mark	Awards - Counties	NF0J, Dave	President
KD2NOM, Mark	Director	NP2MR, David.....	Committee Member
KD5DE, Mel.....	Past President / Supplies Mgr	NS6X, John	Committee Member
KE0MIZ, Rob.....	Awards - 1000+	NZ1I, Kevin.....	Awards – WAC
KF4WKY, Mike.....	Net Control	VA7GY, Garry	Committee Member
KG5RJ, Greg.....	Committee Member	W0FLZ, Paige	Award - Mobile
KI5ELV, Thomas	Awards - VP Bars	W5DJT , David	Committee Member
KI6OY, Lee	Awards-CW	W5SUM, Ronnie.....	Vice President / Secretary
KJ5SZ, Hugo	General Counsel	W7WHB, Steve.....	Net Control
KM4ODS, George	Director	W9HT, Joshua	Committee Member
KM5EH, Marcus	Director	WA2SUH, Larry	Director
KM5FF, Ed.....	Awards-WPX	WA4KUP, Brad	Committee Member
KR7RK, Keith,	Treasurer	WB0CON, Eva	Awards – WAS
KZ3T, Dan.....	QSO Party Manager	WB6OBJ, Arnold.....	Net Control

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

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.



DX News

Mike Davidson, N5MT
(#24949)

Welcome to the Spring DX season of the 10-10 DX News.

We had a nice Winter QSO Party in February with good signals from all over Europe and Asia. I had almost 300 Q's in my log but a Texas friend with a better antenna, talked with all 50 states, 68 countries and logged 1600 QSO's, came in first place again. The solar flux during the QSO party was 140 giving us excellent DX propagation on Ten.

The DXpedition to Bouvet Island was a big disappointment for many DX chasers in February with the bad weather around Bouvet! High seas caused dangerous boat landing conditions on the island. A few made it ashore with limited stuff and they put up two of the planned five stations. The resulting setup caused the QSO counts to be only 9% of what was expected to log with five stations. I did not hear any activity from Bouvet on Ten but they logged 675 QSO on Ten. Most of the Ten meter Q's were into Europe and Asia and only 2 Q's to North America. You will find some Bouvet videos on YouTube. This bad-luck DXpedition will be remembered and blame it on a lot of bad weather.

The Winter QSO party allowed my station to find 17 old DX members and 28 members that were a first time in my log! I got one three digit old member from the west coast for a new one. I worked a lot of non-members looking for numbers so they could get qualified to join 10-10. I think I talked with about 90 stations that were looking for numbers. I worked a total of 110 members and 185 non-members all weekend. I looked at our 10-10 database after the party and over 104 new member numbers had been added to the database! So thanks to all the new members and I have talked with two new members that joined from the QSO party in my log.

All members are having a good time with the rise in the solar flux due to more sunspots! The Sun gave us a solar flux high last year in September of 154 but a new high of 234 was recorded in January 2023. On Feb 17th a mistake was posted for a flux of 343 so please ignore that posting. We had many sun spots this past quarter on the Sun to cause the record solar flux. And more are expected this year!

Over 165 logs were submitted for the Winter QSO Party which was great

news for 10-10. Award forms and membership renewal info are at the website. Please swap your 10-10 number over the air on Ten to qualify for awards! When you collect 10-10 numbers, DX, Counties, Bars or you want your score to count in a QSO party, you must exchange your callsign, name, state and 10-10 number on Ten over the air. So save your QSO info in a logging program. Then when you are ready to fill out an award application, move your 10-10 info from your saved place to your award form. The honor system applies for all contacts on awards. I keep DX records for award validation as the DX Countries award manager. After filling out an award form, submit it to the email address on the form. There are 340 ARRL DXCC countries available but only 318 10-10 countries have been worked for country credit so far.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

3B9 Rodriguez Island. Robert **3B9FR** #61550 was active in January on Ten with FT8 from 1545 to 1715 UTC.

3D2 Figi. Wayne **N0UN** #11317 is now using 3D2UN from Figi. He is good on LoTW.

3Y Bouvet Island. A rare DXpedition to Bouvet started on February 6-13th. The only member was Bill **K07SS** #8631 and there was no report of any Ten meter QSO's by Bill. They made very few QSO's on other bands due to bad weather and bad landing conditions with high waves. In 1990, Bouvet was a first time country for 10-10.

5W Samoa. Paul **W7IV** #27182 and friends were on Savai Island from February until the 28th. The usual bands and modes plus FT8 were used. Call was 5W0DX.

9M2 West Malaysia. Rich **PA0RRS** #24343, was back in West Malaysia from January to March 27th using call 9M2MRS. West & East Malaysia are rare 10-10! No SSB, some CW but mostly FT8 around 28074 or 28180. **LoTW**.

9U Burundi. Elvira **IV3FSG** #54292 was in Burundi, Africa from February 4-27th as 9U5R along with a friend Vlad OK4WX/9U4WX. All modes all bands. A lot of FT8 from Elvira on Ten in February. The last 10-10 member to operate from 9U was Iris Colvin W6QL/9U5QL in February 1991. So this is a rare 10-10 country!

4U United Nations. The UN club station **4U1UN** #55555, in the New York UN building, was heard this past quarter. The remote HF station was on Ten along with the beacon on CW.

4U UN Switzerland. **4U1ITU** #11111. There was radio from the club station on 20 & 30 Mtrs and some on FT8 but nothing on Ten in February.

ET Ethiopia. Ken **K4ZW** #18573 and Nodir **EY8MM** #52767 were using the club station ET3AA during January. I saw the station active on Ten using FT8 in January from 1230 to 1430 UTC. I do not have individual info on each. Remember this is a rare DX location.

EY Tajikistan. Nodir **EY8MM** #52767 was active on FT8 in early January. He then went to Ethiopia but is now back in Tajikistan from February 17th.

FJ St. Barthelemy. Phil **K2LIO** #7746 left the island at the first of the year 2023 and has not returned. His new call FJ4WEB. His radio is an IC-7300 with a better antenna for Ten. Phil is the first 10-10 member to stay on the island for long periods.

HR Honduras. Gerard **F2JD** #63443 was on Ten using FT8 in mid January as **HR5/F2JD** from 1500-1600 UTC.

Alex **K6VHF** #77458 was on Roatan Island using call **K6VHF/HR9** from February 12-15th using FT8 and CW.

KH0 Mariana Islands. Gerard **W5TZX** #49308, was on the Mariana Islands in February. His radio was QRP 10 watts using FT8 on 20-15 Meters, no Ten. LoTW.

J7 Dominica. Laurent **F5MUX** #42039 used callsign J79BH on Dominica in late February. He has had eight callsigns over several years, so be careful.

PJ7 Sint Maarten. Gary **KC9EE** #16977 will be on the island from March 1-8th. His new call will be PJ7EE using a QRP radio on CW and FT8. LoTW.

V3 Belize. Walt **W0CP** #14291 is using call V31DJ until March 11th from Belize. CW, SSB and FT8. LoTW.

V5 Namibia. Mike **V51MA** #64688 has been showing up on 28450 on Saturday mornings at 1610 UTC with the LA Pelican Net. I just missed him on FT8 at 1945 UTC on Ten.

VP2M Montserrat. Thaire **W2APF** #50022 was using call VP2MDX from January 2 to March 30th . He operated CW & SSB into a hexbeam with a small amp.

VP8 Falkland Isl. Bob **VP8LP** #8854 was on Ten operating SSB from December to February. No LoTW.

YJ Vanuatu. Al **K7AR** #2736 and friend Bob W7YAQ were in Vanuatu in February for two contests.

ZF Cayman Islands. Jim **WB2REM** #48365 was on the big island using ZF2OO callsign until January. He was on Ten SSB and FT8. LoTW.

UPCOMING DX & NEW 10-10 ACTIVITY:

9G Ghana. A DXpedition of nine ops are going to Ghana from March 22- 30th.

Look for George **N4GRN** #73941, and Hal W8HC #12502. Special callsign is 9G4X for a contest.

CY0 Sable Island. The big DXpedition to Sable Island is scheduled for March 20-30, 2023. Look for Dan **W4DKS** #5395 and John **W2GD** #14109 the 10-10 members.

Website: www.CY0S.com. Sable island is now a remote WX weather station for Canada and does not keep anyone on the island for station keeping. The ham operators are going to rent Sable facilities where they can stay and operate. The only permanent residents on Sable are 500 horses and seals that have to be protected from visitors.

FP St. Pierre & Miquelon Isl. Eric **KV1J** #31247 is planning on a June-July 2023 trip to operate as FP/KV1J.

HC8 Galapagos Island. James **WB2REM** #48365 and friends are planning a March 1-11th trip. All bands, modes and digital FT8. Unknown callsign. LoTW.

J6 St. Lucia. Dan **W0CN** #27026 and Bill K9HZ #2618 will be back in St. Lucia from February 28th to March 7th and the ARRL DX SSB contest using J68HZ. Outside contest Dan may be using J68CN.

PJ2 Curacao. Andreas **DK5ON** #54260, will be on Curacao Island from March 4-22nd. All modes, LoTW.

V2 Antigua. Eleven operators will be using V26EI from Antigua from March 24 to April 2nd. The 10-10 members are Declan **EI9HQ** #71019 and Thos **EI2JD** #73610.

V3 Belize. Uwe **DL8UD** #70315, will be in Belize from September 6-14th. His new call will be V31KO or maybe V3O if they authorize his special request.

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.qsl.net/propagation/>.

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

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

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

ARRL DXCC : <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.YouTu>

Download the DXbe.com/watch?v=GcbtTKSRkus'ers Handbook by Bryce Anderson K7UA/SK, at: www.K7UA.com.

Propagation: I expect the solar flux to range from 125-185 during the Spring, with a rise of flux. The 2023 Spring Equinox is Monday March 20th, and Spring starts for us in the northern hemisphere. The Earth is equally over the equator, giving us equal daylight/night time days. Cycle 25 started on November 17, 2019. There are 5 sunspots visible on the sun today with one near X class flare and 2 M class flares last week! Sunspots are seen by looking at the Sun and the flux is measured at 2.8 GHz.

The 2022/23 monthly **max** solar flux: Jan was 130, Feb 130, Mar 151, Apr 166, May 180, Jun 149, Jul 176, Aug 128, Sep 154, Oct 163 Nov 142, Dec 166, 2023 Jan 234 and Feb 215. **Average 163.**

The 2022/23 monthly **min** solar flux: Jan was 84, Feb 93, Mar 94, Apr 96, May 98, Jun 96, Jul 91, Aug 95, Sep 116, Oct 105, Nov 108, Dec 119, 2023 Jan 136 and Feb 134. **Average 105.**

On March 1st, the solar flux was 161, the A index was 24 and K index was 4. There have been many sunspots on the Sun and the past nine months with increased solar flux up 20-30+ points. The USAF solar flux forecast for March 1st to April 14th is from a high of 180 to a low of 140 with average flux at 162, which is a record high average.

My Prediction: Over the next three months, the best conditions on Ten could be: March 16-20th; April 12-17th; May 9-13th; and June 5-10th. For the USA, expect a 85% chance of DX to Europe, Asia, S. America or Pacific. Use the beacons 28.175-28.300 MHz to find if the band is open. If Ten is closed for SSB, go to 28074 and use FT8 for another Q.

Three new DX members joined in Dec 22 to Feb 2023.

Dec: none; Jan 2023: none; and Feb: Gilbert VA3NQ #78103, John VE3TG #78116 and Dan VE7VU #78121. The highest 10-10 issued is to Rick KX4PP #78154.

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 and Email: N5MT@aol.com .

DX IS! 73 Mike Davidson N5MT #24949

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10-10 SUPPLIES FOR LOCAL EVENTS

If you are current in your membership and want to represent 10-10 at a local event, supplies are available on request from the Supplies Manager, Mel, KD6DE (kd5de@ten-ten.org). This is a great opportunity to spread the word!

Dave NF0J #

RF SAFETY

RF Hazards come in two varieties. One is radiation. Current FCC regulations provide standards for safe amounts. Use the worksheets and analyze your station, even if you think you may be exempt by virtue of power levels and spacing. Be sure.

A second hazard comes from direct contact with antenna elements carrying RF currents. Ground-mounted verticals and inverted Vee ends provide the greatest hazards, since both children and adults can come into contact with them – either directly or with some implement having a long metal handle.

Isolate ground-mounted verticals with fencing or other barriers which are effective especially in preventing children from touching a potentially active antenna. A vertical in or adjacent to a children's play area may mean station silence during periods when children are present: if contact is not a danger, radiation may be.

Elevate and insulate horizontal antenna ends above the level where anyone can touch them with a metal rod. Never underestimate the ingenuity of a child with a small mean streak or a large curiosity.

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."

L.B Cebik, W4RNL #41159 (SK)



Net Report

Bob Farrow, N6OPR
(#45715)

Net Report for 4th Quarter 2022

Monday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
3-Oct	15	5
10-Oct	6	0
17-Oct	2	0
24-Oct	32	10
0-Jan	0	0
7-Nov	38	2
14-Nov	23	2
21-Nov	23	5
28-Nov	23	3
5-Dec	28	4
12-Dec	36	12
19-Dec	28	4
26-Dec	35	13

Tuesday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
4-Oct	10	5
11-Oct	6	0
18-Oct	17	2
25-Oct	17	0
1-Nov	20	3
8-Nov	38	2
15-Nov	33	5
22-Nov	28	5
29-Nov	10	0
6-Dec	130	6
13-Dec	23	6
20-Dec	25	6
27-Dec	23	12

Wednesday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
5-Oct	6	1
12-Oct	7	3
19-Oct	17	2
26-Oct	7	0
2-Nov	3	1
9-Nov	58	8
16-Nov	8	8
23-Nov	10	3
30-Nov	11	3
7-Dec	30	10
14-Dec	15	2
21-Dec	42	3
28-Dec	9	2

Thursday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
6-Oct	37	7
13-Oct	26	6
20-Oct	36	4
27-Oct	47	15
3-Nov	38	10
10-Nov	31	10
17-Nov	33	9
24-Nov	18	6
1-Dec	42	9
8-Dec	38	11
15-Dec	55	20
22-Dec	32	18
29-Dec	40	11

Friday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
7-Oct	31	4
14-Oct	40	5
21-Oct	39	9
28-Oct	39	12
4-Nov	35	3
11-Nov	38	8

Friday Nets (Cont.)

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
18-Nov	41	7
25-Nov	44	12
9-Dec	39	9
9-Dec	32	0
16-Dec	29	5
23-Dec	34	10
30-Dec	44	10

Saturday Nets

----- 28.380 MHz -----		
DATE	TOTAL	NO 10#
1-Oct	11	1
8-Oct	26	7
15-Oct	27	4
22-Oct	25	5
29-Oct	20	4
5-Nov	30	10
12-Nov	24	8
19-Nov	19	5
26-Nov	28	8
3-Dec	19	7
10-Dec	3	0
17-Dec	28	8
24-Dec	27	6
31-Dec	39	7

10-10 Has One Official Daily Net
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QSO Parties

Dan Morris, KZ3T
(#41015)

2023 Winter PH QDO Party

February 4 - 5

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N5XZ	4530	391	1240	2022
2. NC0B	74875	210	343	763
3. KE6GFI	72985	238	265	741
4. K7QXG	5956	176	158	510
5. N5MT	24949	110	185	405
6. F6IRG	39399	128	144	400
7. AB6QM	63114	136	126	398
8. NA9A	31121	124	117	365
9. K8DEL	2978	99	159	357
10. N1API	25468	100	105	305

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
NC0B	74875	210	343	763
K0KY	8655	53	72	178
N0LAY	43501	39	24	102
KA0HZP	31562	15	33	63
KB0ARZ	48754	16	20	52
N7WY	9565	7	8	22
KC0VDY	72580	8	1	17

CALL AREA 0 (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
AF0Z	28290	3	2	8
KO9V	32490	4	0	8

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	100	105	305
N1DFD	65460	57	100	214
WA1LAD	67155	56	54	166
N1ZN	73599	18	12	48
AI1G	77223	10	6	26
W1IG	43006	10	2	22
NZ1I	72759	9	1	19
N1RLR	76619	4	0	8
WE1M	59183	3	0	6

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	34	34	102
WC2Y	76481	28	27	83
N2LDV	59445	25	30	80
WA2CNV	65510	20	22	62
WA2SUH	407	24	7	55
N2LEC	58183	11	9	31
W2VTV	71275	8	3	19
N2TPQ	77465	5	0	10

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
K3TC	33876	46	104	196
W3MPG	77859	15	4	34
WA3NFV	77643	9	4	22
N3DUE	41066	8	1	17
KA3UIH	55744	2	1	5

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KM4ODS	77504	52	82	186
W4SOT	63201	45	23	113
KA3MTT	73110	34	28	96
K4FET	77603	26	22	74
KZ3T	41015	22	30	74
NC4GK	77965	17	15	49
KO4BWN	78001	17	9	43
KO4PK	60883	16	10	42
KA5VZG	46596	17	0	34
WO4ROG	77815	10	11	31
KB4LOA	78009	9	12	30
AK4YS	75328	13	3	29
K4BBH	77937	9	10	28
KI4W	62657	11	3	25
KC4SOT	77861	10	3	23
WA8YVF	75210	6	8	20
KD4MQY	63215	9	1	19
KK4AMR	76031	3	11	17
AD4TT	47358	6	1	13
K4PGM	77579	6	0	12
AB4WS	60801	5	0	10
N4ERM	34524	5	0	10
K4SHF	73837	4	1	9
K1HG	65447	3	1	7
WA4JA	72743	3	0	6
N3GTG	78008	2	0	4
WB4MM	76750	2	0	4

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5XZ	4530	391	1240	2022
N5MT	24949	110	185	405
KD5DE	33513	57	42	156
KC5TT	77474	44	57	145
AJ4F	39439	38	65	141
W2ODH	30859	34	65	133
KD5ILA	77652	28	36	92
KF5KWO	73879	25	31	81
W5SUM	2019	26	10	62
KM5FF	50356	11	19	41
KI5KOI	77853	6	13	25
KM5EH	71103	8	1	17
K5EIS	11091	4	0	8
N5EKO	77892	3	0	6

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	136	126	398
WB6IZG	55393	78	48	204
KE6FQC	69047	71	54	196
N7WLC	63782	28	17	73
N6GP	21149	21	4	46

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
KE6GFI	72985	238	265	741
K7QXG	5956	176	158	510
AJ7B	7675	90	81	261
KR7RK	63324	60	28	148
N7QOZ	62599	32	20	84
N7AME	27859	29	22	80
KA7RRA	74459	28	17	73

CALL AREA 7 (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
N7YG	65084	20	20	60
WA7SKG	77548	24	2	50
K7MTD	78087	14	0	28
AI7OZ	78111	11	0	22
W7IBI	61844	8	2	18
KD7DGK	76407	8	0	16
N7VS	60964	0	3	3

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
K8DEL	2978	99	159	357

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
NA9A	31121	124	117	365
K8CTM	77275	56	67	179
KC9EOQ	74609	48	51	147
KD9AC	78012	25	13	63
N9TOD	46771	2	40	44
K9DXA	75703	13	16	42
KC9TQU	77157	14	0	28
NK9Y	37014	11	1	23
N9TNT	77872	5	0	10
KD9QAL	78056	1	0	2

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
N0LAY	43501	39	24	102
AK4YS	75328	13	3	29
NK9Y	37014	11	1	23

MOBILE

CALL	10-10#	CTX W	CTX WO	TOTAL
W9YOY	76637	20	20	60

ARGENTINA

CALL	10-10#	CTX W	CTX WO	TOTAL
LU1BJW	39329	6	1	13

CANADA

CALL	10-10#	CTX W	CTX WO	TOTAL
VA7TEN	24752	66	70	202
VE3RVZ	77949	11	1	23
VE2GT	71022	1	0	2

FRANCE

CALL	10-10#	CTX W	CTX WO	TOTAL
F6IRG	39399	128	144	400

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL6DK	39944	62	31	155
DH1PAL	69212	37	32	106
DF3TE	69610	17	0	34

HAWAII

CALL	10-10#	CTX W	CTX WO	TOTAL
NH7PE	74456	0	0	0

IRELAND

CALL	10-10#	CTX W	CTX WO	TOTAL
EI9HQ	71019	43	52	138

LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
F6IRG	39399	128	144	400
AB6QM	63114	136	126	398
N1API	25468	100	105	305
AJ7B	7675	90	81	261
N1DFD	65460	57	100	214
VA7TEN	24752	66	70	202
KE6FQC	69047	71	54	196
KM4ODS	77504	52	82	186

LOW POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
K0KY	8655	53	72	178
WA1LAD	67155	56	54	166
KD5DE	33513	57	42	156
KR7RK	63324	60	28	148
KC5TT	77474	44	57	145
AJ4F	39439	38	65	141
W2ODH	30859	34	65	133
DH1PAL	69212	37	32	106
KD5ILA	77652	28	36	92
N7QOZ	62599	32	20	84
WC2Y	76481	28	27	83
KF5KWO	73879	25	31	81
N2LDV	59445	25	30	80
N7AME	27859	29	22	80
K4FET	77603	26	22	74
KZ3T	41015	22	30	74
N7WLC	63782	28	17	73
KA0HZP	31562	15	33	63
W5SUM	2019	26	10	62
WA2CNV	65510	20	22	62
N7YG	65084	20	20	60
WA2SUH	407	24	7	55
KB0ARZ	48754	16	20	52
WA7SKG	77548	24	2	50
NC4GK	77965	17	15	49
N1ZN	73599	18	12	48
N6GP	21149	21	4	46
KO4BWN	78001	17	9	43
K9DXA	75703	13	16	42
KO4PK	60883	16	10	42

LOW POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
KM5FF	50356	11	19	41
DF3TE	69610	17	0	34
KA5VZG	46596	17	0	34
W3MPG	77859	15	4	34
N2LEC	58183	11	9	31
WO4ROG	77815	10	11	31
KB4LOA	78009	9	12	30
K4BBH	77937	9	10	28
K7MTD	78087	14	0	28
KC9TQU	77157	14	0	28
AI1G	77223	10	6	26
KI4W	62657	11	3	25
KI5KOI	77853	6	13	25
KC4SOT	77861	10	3	23
VE3RVZ	77949	11	1	23
AI7OZ	78111	11	0	22
W1IG	43006	10	2	22
WA3NFV	77643	9	4	22
KD4MQY	63215	9	1	19
NZ1I	72759	9	1	19
W2VTV	71275	8	3	19
W7IBI	61844	8	2	18
KC0VDY	72580	8	1	17
KK4AMR	76031	3	11	17
KM5EH	71103	8	1	17
KD7DGK	76407	8	0	16
AD4TT	47358	6	1	13
LU1BJW	39329	6	1	13
K4PGM	77579	6	0	12
AB4WS	60801	5	0	10

LOW POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
N2TPQ	77465	5	0	10
N4ERM	34524	5	0	10
N9TNT	77872	5	0	10
K4SHF	73837	4	1	9
AF0Z	28290	3	2	8
K5EIS	11091	4	0	8
KO9V	32490	4	0	8
N1RLR	76619	4	0	8
K1HG	65447	3	1	7
NH7PE	74456	3	1	7
N5EKO	77892	3	0	6
WA4JA	72743	3	0	6
WE1M	59183	3	0	6
KA3UIH	55744	2	1	5
N3GTG	78008	2	0	4
WB4MM	76750	2	0	4
N7VS	60964	0	3	3

HIGH POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
N5XZ	4530	391	1240	2022
NC0B	74875	210	343	763
KE6GFI	72985	238	265	741
K7QXG	5956	176	158	510
N5MT	24949	110	185	405
NA9A	31121	124	117	365
K8DEL	2978	99	159	357
WB6IZG	55393	78	48	204
K3TC	33876	46	104	196
K8CTM	77275	56	67	179
DL6DK	39944	62	31	155

HIGH POWER (Cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
KC9EOQ	74609	48	51	147
EI9HQ	71019	43	52	138
W4SOT	63201	45	23	113
WA2HMM	40510	34	34	102
KA3MTT	73110	34	28	96
KA7RRA	74459	28	17	73
KD9AC	78012	25	13	63
N9TOD	46771	2	40	44
N7WY	9565	7	8	22
WA8YVF	75210	6	8	20
N3DUE	41066	8	1	17
KD9QAL	78056	1	0	2
VE2GT	71022	1	0	2

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
HOUSTON SHOT	2	2167
CATT	4	1309
POSSUM TROT	17	1148
LOUISIANA PELICAN	2	810
NEANDERTHAL	7	588
OREGON TRAIL	2	560
CITY OF LIGHTS	3	554
STEAMBOAT	4	399
CASTLE CRAIG	3	359
CHIEF SEATTLE	1	261
GATEWAY	2	91
NM MUD DUCKS	1	41
TANGO	1	13
ALOHA	1	7

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	110	185	405	N5MT
K4MN	24874	52	82	186	KM4ODS
W5RRV	42114	57	42	156	KD5DE
DL0BIC	77526	62	31	155	DL6DK
KQ4PK	77935	45	23	113	W4SOT
W4OIX	54432	45	23	113	W4SOT
DK0DWK	73418	35	0	70	DH1PAL
DK0HHC	73417	17	0	34	DH1PAL
DL0KAC	73416	17	0	34	DF3TE

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
KV0I	3024	107	227	441	
W0IZ	0	129	130	388	
WA5PFJ	14262	52	59	163	
N7DSX	77707	56	36	148	
V51MA	64688	24	51	99	
N1GNF	52418	12	53	77	
N0VLR	0	20	13	53	
KD4ADC	60710	22	8	52	
K4CRM	74163	15	18	48	
K1LHO	13754	13	9	35	
K6DW	0	16	2	34	
W0ADL	0	13	8	34	
W1YSM	0	11	0	22	
CT1BWW	64689	4	13	21	
AA0FO	0	10	0	20	
NR7Z	35542	10	0	20	
W7VC	0	9	0	18	
KB3ORR	74883	6	4	16	
K5SPP	0	7	0	14	
W4PF	2665	6	2	14	

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
CT2GTT	0	1	7	9	
K2JF	74400	3	0	6	
K5ZZR	0	3	0	6	
IX1CKN	0	2	0	4	
K7JKM	0	2	0	4	
KK4CS	0	2	0	4	
NS4E	0	2	0	4	
VA2YZX	0	2	0	4	
VA3EON	0	1	1	3	
WB4E	74267	1	1	3	
AA5AH	0	1	0	2	
K5IX	0	1	0	2	
KO4IJH	0	1	0	2	
W5JEF	0	1	0	2	
WB8WUA	0	1	0	2	

60th ANNIVERSARY RESULTS FOR 2022

CALL	10-10#	CTX
1. N5MT	24949	9
2. KZ3T	41015	4
3. N1API	25468	1

VOLUNTEER RESULTS FOR 2022

CALL	10-10#	CTX
1. KZ3T	41015	13
2. N5MT	24949	10
3. N1API	25468	9

HOW-TO SET UP N1MM LOGGER+ FOR TEN-TEN QSO PARTIES

Just for everyone's information N3FJP's Ten-Ten QSO Party Program (most used by 3 to 1) and N1MM Logger+ are the two most used programs submitted for our Ten-Ten QSO Parties followed by WIN1010, 10qsologger and several other programs. N3FJP's program is a very minimal cost and N1MM Logger+ is free.

There are many different UDC's (User Defined Contests) or types of contests that can be used for the N1MM Logger+ contest logger. I have conversed with some people at N1MM who have helped me determine which UDC to use and how to set it up in order to get the required information not only in the cover sheet but in the main body of the file where the QSO records are listed. As it stands now, I get logs that use a number of different UDC's. The correct UDC to use for Ten-Ten QSO Parties is 1010RTTY. If it is not in your list of contests when you create a new log, please download it from the UDC page of N1MM and ensure it is put into the User Defined Contests folder. DO NOT use TENTENRTTY, that is an older UDC and the formatting is not correct. Even using the correct UDC there will still have to be some manual editing in the Cover Sheet info.

Anyone who currently has N1MM should already have your station information set up. There is one item that needs to be entered in there and that is the Ten-Ten Chapter affiliation. If you have a Ten-Ten Chapter affiliation you want to use (Branding Iron, etc), click on the Config tab and then select 'Change Your Station Data.' Since N1MM does not have a field for Chapter you must enter your Chapter affiliation in the CLUB field, EX: CLUB – BRANDING IRON. This information will always be put into the cover sheet info going forward. If you change chapter affiliation, make sure you change that data each time.

There is a standard Cabrillo format to use, however, depending on the contest the Cabrillo format changes. When participating in any of the Ten-Ten QSO Parties it is necessary to make sure you pick the 1010RTTY contest UDC from the list. Above is an example screen shot of how you should set up your event. Click on File > New Log or New Database, however you use your contest logger. I chose New Log in Database KZ3T.s3db. This window is where everyone needs to make sure everything is filled out correctly to have the same format.

Select Contest Type for New Log

Log Type: 1010RTTY | TenTen QSO Parties

Start Date: 2023-02-18 00:00:00

Total number of contacts in database: 64

Contest: Associated Files

Category: Show Setup Show Rules

Operator: SINGLE-OP State for Log Type QSO PARTY

Band: 10M Note - the program does not validate categories. Check the contest rules for valid categories.

Power: LOW

Mode: SSB

Overlay: N/A

Station: FIXED

Assisted: ASSISTED Time Category: N/A

Transmitter: ONE

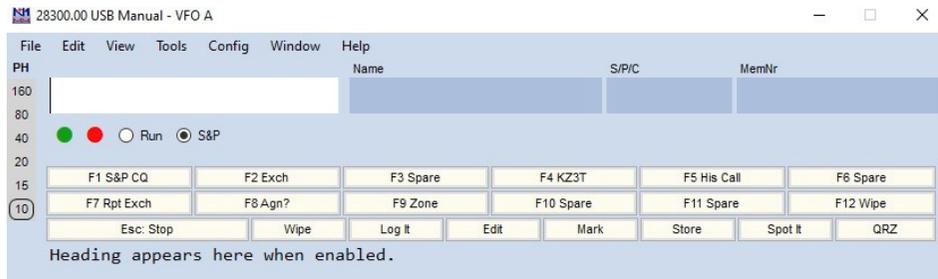
Sent Exchange: DAN NC 41015 Omit RST. E.g. CQWW: 05 SS: A 56 EMA

Operators: KZ3T Update Ops from Log

Soapbox

OK Help Cancel

In the above example at the top, you see that 1010RTTY was chosen. The other fields are self-explanatory. Band 10M. Mode depending on the QSO Party. N1MM Logger+ does not have a 'Category' so you must use Power (for High, Low or QRP). You have to click on drop the down arrow under 'Station' to select Mobile and if a Club you will have to edit that manually under 'Station.' Now, this is important! In the 'Sent Exchange' field. Enter your name, QTH (2 letters, NC, DX, etc) and then your 10-10#. If you do not have a 10-10#, then enter 0. The next two you should enter your call sign for Operators and all comments go in the soapbox area.



Now for the entry screen. It should look like the one above:

The above should be self-explanatory with Call sign worked, name (as given over the air), 2 letter abbreviation for QTH (NC, WA, DX, etc), and finally 10-10# if any. PLEASE, if there is no 10-10#, enter a 0.

Also, this contest logger will flag dupes, so, if you are running a frequency and see DUPE in red letters, disregard logging. However, if you do log it check your log and make sure the contest logger entered a 0 for the score.

```

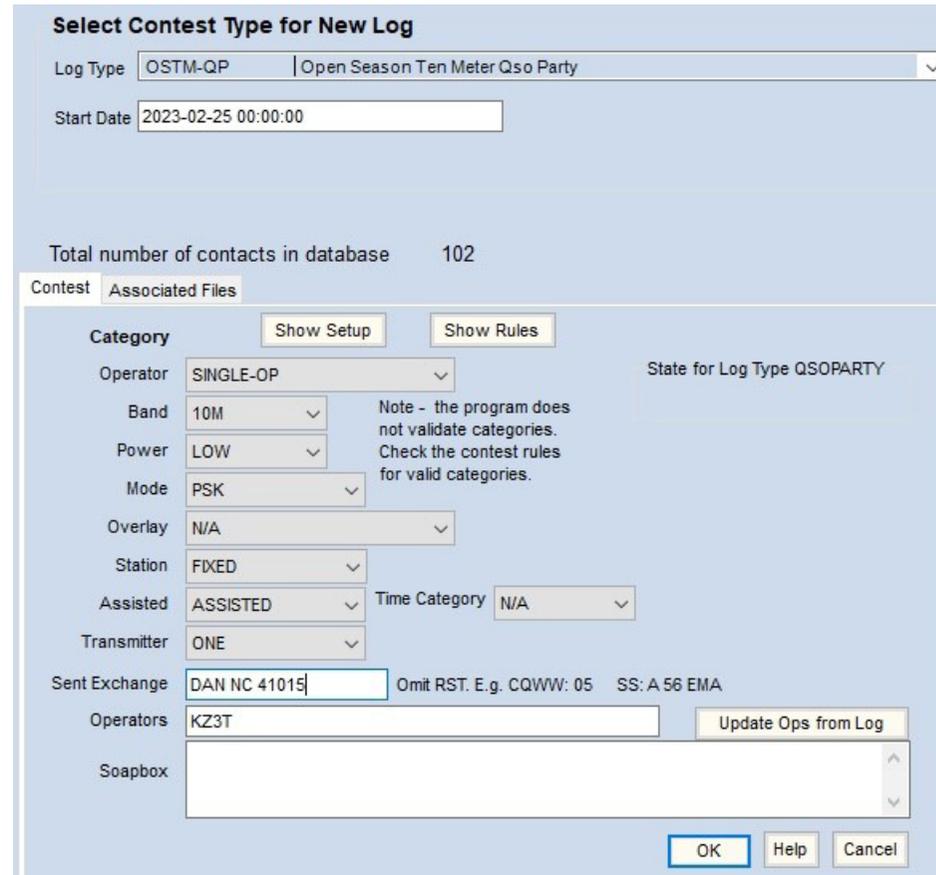
START-OF-LOG: 3.0
LOCATION: W4
CALLSIGN: KZ3T
CLUB: POSSUM TROT
CONTEST: TENTEN-WINTER PHONE
CATEGORY-OPERATOR: SINGLE-OP
CATEGORY-ASSISTED: ASSISTED
CATEGORY-BAND: 10M
CATEGORY-MODE: SSB
CATEGORY-POWER: LOW
CATEGORY-STATION: FIXED
CATEGORY-TRANSMITTER: ONE
CLAIMED-SCORE: 4
OPERATORS: KZ3T
NAME: Dan Morris
ADDRESS: 1234 Main St.
ADDRESS-CITY: Wilmington
ADDRESS-STATE-PROVINCE: NC
ADDRESS-POSTALCODE: 12345
ADDRESS-COUNTRY: USA
GRID-LOCATOR: EM95FU
EMAIL: bobobob@gmail.com
CREATED-BY: N1MM Logger+ 1.0.9811.0
QSO: 28300 PH 2023-02-18 2311 KZ3T      DAN      NC  41015  W0ZZZ      BO      CO  0
QSO: 28300 PH 2023-02-18 2314 KZ3T      DAN      NC  41015  IK4ABC      JOHN   DX  0
QSO: 28300 PH 2023-02-18 2314 KZ3T      DAN      NC  41015  N5AA       ED      TX  12345
END-OF-LOG:
    
```

Now, to the Cabrillo format with cover sheet information. Above is an example of what it should look like.

In the above example, LOCATION:, there will be a 2 letter state or country abbreviation. That needs to be replaced with the Call Area (ex. W4, W8 or DX for outside the US. CONTEST; you will have to fill in after TENTEN-(WINTER PHONE or whatever QSO Party it is). In the Category, if you operated Mobile or Club you will have to fill that in otherwise choose from what is listed on the 'Select Contest Type.' Notice what should go in the QSO part of the log after your CALL. The Name, QTH & 10-10# if available (otherwise a 0) was entered

earlier in the 'Select Contest Type' in the box labeled 'Sent Exchange.'

Now, there has been a new UDC added for the Ten-Ten Open Season QSO Party. This UDC needs to be downloaded and put into the User Defined Contests folder. The name of the UDC is OSTM-QP.udc.



Above is an example of the setup screen.

In the above example for Open Season, OSTM-QP was the UDC selected. Basically, all info would be the same for setup as it was in the earlier setup screen. Only exception is Mode will be PSK. Just ensure in the 'Sent Exchange' you enter your Name, 2 letter abbreviation for state or DX for country outside the US and Ten-Ten# if one is available or 0 if no Ten-Ten#. This UDC may show Name/SPC/0-0-0 but do not use that.

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.



The entry screen will be a bit different. In the above example first part is self-explanatory. Under ALL-CLUBS just enter the numbers you receive from the operator for Ten-Ten#-EPC#-P070# as received. If the station has no numbers then enter 0-0-0. In the points field enter the number of points according to how many numbers you receive. In this example, you would enter 2 for the two numbers you received. If no numbers at all (0-0-0) then enter a Zero (0).

Next is the log information screen.

MM-DD HH:MM	Call	Freq	M...	Name	E...	Comment	Pts
02-22 14:17	W1ABC	28300.00	USB	ED	MA	12345-1243-0	3
02-23 12:10	IZ3AAA	28300.00	USB	MARIO	DX	0-0-0	1

In the above example is what your log screen will look like. As you can see, when you entered a 2 for the points in your entry screen, the program will add the extra point for the contact automatically after you log the contact. In the case of no numbers you entered a zero (0) and when you logged the contact the program automatically accounted for the contact and added the extra point in there for you.

I believe this should get everyone going. I plan on using a compiler (Author Randy, AJ7B) to run these logs through. So having a fairly standardized format will hopefully alleviate most problems that may arise. We understand that there are going to be problems and we hope to figure them out as we go forward. It takes the end user to do their part ensuring they select the correct QSO Party (contest UDC) and then editing as necessary.

If anyone that uses N1MM Logger+ has anything to add to this, please let me know and I will try and get the information out to all that use this contest program. Together we should be able to make it a better contest program.

If anyone has any questions, please let me know.

Dan Morris KZ3T

Dbmorris315@gmail.com



President Dave Ruch NF0J #19553 and Director Chuck Dockery N7UQ #72774 man the Ten-Ten booth at HamCation 2023

QSL Bureau News

The QSL Bureau manger, Jim Stoeber WI9X #49635 became a Silent Key. Contact Mel Sojka if you are interested in managing QSL cards for the 10-10 International Net.

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>

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.	10000	K6PZE	1341
7.	9800	N5DAS	35877
8.	8800	AC6FU	10937
9.	8800	N6OPR	45715
10.	8200	K5FBS	48461

TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	10100	WD0SFT	37933
2.	4400	K6MQ	71487
3.	3600	DL0X	75555
4.	2100	W8PGW	74726
5.	1900	W1NRG	29650
6.	1200	NM5MD	72385
7.	1200	W4MNM	75450

1000+ MILESTONE BARS

1300 BAR

NO.	CALL	10-10#
1000	DL6DK	39944

2300 BAR

NO.	CALL	10-10#
472	W4MAA	74584

4000 BAR

NO.	CALL	10-10#
171	KZ3T	41015

5000 BAR

NO.	CALL	10-10#
106	WA2SUH	407

8800 BAR

NO.	CALL	10-10#
33	N6OPR	45715

11400 BAR

NO.	CALL	10-10#
14	DL8YBM	36109

Worked All Continents (WAC)

NO.	CALL	10-10#
634	W9LN	32042



Ten-Ten Bar Application Submissions

A BASIC HOW-TO GUIDE FOR SUBMITTING BAR AWARD APPLICATIONS

Now that 10M band conditions are getting better and people are starting to make more contacts, we are starting to see a few more members submitting Ten-Ten Bar Award Applications. So, I thought I would put out a how-to guide, if you will, especially since we have many new members that have joined Ten-Ten during the bottom of the last solar cycle and have not really had an opportunity to learn more about how to go about submitting bar applications.

First, there are two Bars managers. I do the 100-900 Bar Awards and Rob, KE0MIZ is now doing the 1000+ Bar Awards. Bar numbers are not actually issued for the 100-900 bar awards, just a date of issue. Once a member attains the 900 bar all applications for 1000+ Bars will then be sent via email (if possible) to Rob, KE0MIZ. Rob will start issuing actual bar numbers for each bar award he issues in addition to the dates of issue. It is imperative that everyone, as best they can, keep track of their bar applications.

Anyone that has WIN1010, as long as it still works, has the means to submit Bar Awards. The future of WIN1010 is not known as the author is now an SK. Ten-Ten will try to revive WIN1010 or try and come up with another program to be able to keep track of awards. For now, there really is no program for keeping track of 10-10 bar applications. If anyone has Excel or LibreOffice, it is a pretty simple process to keep track of your bar award applications including duplicates. I have a template that anyone can use but it is very simple to create your own. If anyone would like a copy of the Excel template, just send me an email requesting the form. There is an official 10-10 Bar Awards Application form on the 10-10 web site. It provides all the information needed to submit a bar award.

First:

- All contacts must include 10-10#, call sign, name, QTH and date in 10-10# numerical order in increments of 100 at a time. Extra contacts are encouraged in case of errors.
- E-mail the application if at all possible and if not, then USPS is fine. It is much easier to get into an electronic form if sent via email.
- A 10-10# may be used only once in a bar award program.
- Let the awards manager know which bar application you are submitting for.

Most errors in bar applications are no more than typos and they are very easy to do. For instance, someone submits an application and shows a 10-10# as 41587 but it may really be 41687 based on the call sign, name and QTH. Same with the call sign. K1AAB instead of K1AB. Easy to do. All errors have to be corrected or send in an additional contact to replace any errors noted. It also must be emphasized that all information must be copied over-the-air. If you missed any of the information (Call, Name, QTH or 10-10#), it is not a valid contact. Please don't get the information from a QSL or email. That is not in the spirit of 10-10 operations.

Other Ten-Ten award applications are basically the same depending on the type of award in which certain information needed may vary. If there are any questions about Bar Award applications, please contact me for 100-900 Bars and Rob, KE0MIZ for 1000+ Bars via email and we will help out as much as possible. For other Awards like Counties, Digital, CW, etc. please contact that awards manager first and they can give you the most accurate information you need to submit for that particular award. Thank you.

Dan Morris KZ3T #41015
100-900 Bar Awards Manager
Lucky 13 Awards Manager
dbmorris315@gmail.com

Rob Cromer KE0MIZ #77647
1000+ Bar Awards Manager
rdcromer@rccomps.net

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	rccromer@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	Mel Sojka, KD5DE #33513	353 Atlantic Ave., Shreveport, LA 71105-2909	(318) 286-2963	kd5de@nwla.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



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
01476	N2VW	John D. Imhof - Westampton, NJ
04637	WB0BLJ	William E. Whitaker - Lakewood, CO
05236	W1DMX	Michael J. Pyrch - Stafford Springs, CT
07463	W6SKM	John C. Capron - Lathrop, CA
08859	K3ZO	Alfred A. Laun - Temple Hills, MD
09592	WB9JSR	John P. Wehmer - Sheldon, MI
10167	K3RPP	Raymond O. Sewell, Jr. - Glen Burnie, MD
11081	K4IN	Gerald J. Coleman - Theodore, AL
11945	K0IVM	Lawrence M. Johnson - St. Louis Park, MN
12271	VK5NC	Trevor D. Niven - Mount Gambier, SA
12525	KF7KA	Bruce R. Meadows - Helena, MT
12923	K0PFV	John W. Lord, IV - Omaha, NE
14852	W9HWQ	Duane R. Fruechte - Trempealeau, WI
17625	KD4U	Jimmy K. Edwards - Louisville, KY
18689	VE7NF	Oran J. Flory - Port Alberni, BC
20367	AB5W	Robert L. Cecil, Sr. - Shreveport, LA
21378	K7RQ	Harold F. Potter - Mulino, OR
21599	GI4FUM	David Hutchinson - Antrim, IRL
22774	N5GMR	Jewell F. Crowson - Benton, AR
25223	WA2GEA	Harvey Bussell - Schenectady, NY
25998	UA0SE	Sergey Y. Karpov - Angarsk - Irkutskaya, RUS
27070	N0ZH	Michael Dolson - New Bloomfield, MO
28052	KA9BLW	Ronald L. Smith - DeKalb, IL
28100	W1IB	Francis A. Baker - Deerfield Beach, FL
29174	WV4Z	William F. French, Jr. - Lumberton, NC
29302	K2VPR	John A. Tyburski - Springfield, VA
29576	KB8XO	Howard B. Fryling - San Antonio, TX
30782	N0CFJ	Fred W. Meyer - Marshalltown, IA
31392	KY1C	Paul E. Gooch, Jr. - Wells, ME
31399	N1BPC	William H. Box - Bethlehem, CT
32451	KO9T	James T. Hammer - Cherokee, IA
32516	N1BNM	Joseph R. Long, II - Madison, WI
33435	W4TTF	Willard D. Stevens - Cocoa, FL
34366	K7GDS	Gary D. Schultz - Lake Oswego, OR
35775	N4GTQ	William H. Lindset - DeFuniak Springs, FL
35855	KC5YC	Charles B. Colligan - Singer, LA

10-10#	Call	Name - City, State
36846	N0EFW	Ward E. Culbertson - South Sioux City, NE
39578	KY3W	David A. Stout - Berwick, PA
39579	KC3TO	Samuel R. Fao - Mount Airy, MD
40296	VE5KZ	Jerome M. Kuntz - Regina, SK
40466	NR1H	Norman E. Roch - West Warwick, RI
40469	K1FRD	Dean W. Spencer - Cheshire, CT
40701	NU4O	Dale R. Dickerson - Livermore, KY
41203	AG9Q	Martin E. Zimmerman - Chicago, IL
41995	KA2WGV	Stephen J. Boldis - Williamsville, NY
42213	KA7UND	James Haveron - Phoenix, AZ
42901	VE5JAK	Jacob A. Kutarna - Lumsden, SK
43337	WY4TT	Wyatt E. Batchelor - Campbellsburg, IN
44685	KK6XX	Allan H. Kaufman - Whittier, CA
45099	KA0VAD	Albert D. Becker - Scottsbluff, NE
45248	KC1ZI	James Worrell - Dorchester, MA
46281	AL7G	James P. Vansant, III - Cordova, AK
46908	KA3FHV	Jeffrey D. Rowles - Bridgeville, PA
47880	W8OD	Lance Adair - Temperance, MI
49926	N4UFD	Grover E. Conrad - Louisville, KY
50416	VE5FN	William G. Till - Lloydminster, AB
52262	W4WM	Marcus E. Rinks - Old Hickory, TN
52332	NC3T	Robert S. Bollinger - Great Cacapon, WV
52944	KB0ECQ	Dick Zeman - Bemidji, MN
53060	N4LKU	Jane C. Plunkett - Pukaski, TN
55888	W5FPT	Francis P. Tullier - Jasper, TX
56612	WD8MHL	Raymond G. Masko - Medina, OH
57549	KE4BVP	Tama M. Bird - Deerfield, VA
57782	KB8JOP	Eugene G. Opperman - Akron, OH
58004	KB7KOA	Gary E. Morton - Layton, UT
58506	KA3NBO	Dennis R. Moyer - Reading, PA
58568	WZ3J	Adriel J. Nickels - Parkville, MD
58583	K3EVB	James Carl Dempsey - Brookline, NH
60173	KB1Z	Henry B. Stevens - Alton, NH
60506	N3IWJ	Klaus M. Gross - East Bank, WV
61007	KF8VX	James B. McAdams - Mentor, OH
61275	KI7JF	Ralph L. Fuller - Yakima, WA
61467	N9MHF	Joseph P. Spulvado - Nekoosa, WI
61619	WA1EHK	May E. Blakley - Ansonia, CT
62329	WA0GRM	Lester E. Look - Hays, KS
62403	KA1JGQ	Warren G. Shadrack - Mansfield, MA
62635	W4TNX	John R. Youell - Chester, VA
64236	AB2GI	Clark W. Gadd - Akron, NY
65325	N9PSN	Robert J. Widish - Milwaukee, WI
66055	V31MD	Robert A. Fox - Catskill, NY
66228	W5TXV	Kenton E. Marshall - Tomball, TX
67416	N9NR	Richard A. Shandor - Harland, WI
68413	K4JJR	James Russo - Nokesville, VA

10-10#	Call	Name - City, State
69695	W3IY	Carl M. Chernan - Tarentum, PA
70685	KD1KK	Alton F. Sabin, Jr. - Bangor, MA
70878	KO4R	Paul F. Chapman - Maryville, TN
71104	KF4MLT	Charles M. Aulick - Statesboro, GA
72366	W7OM	Rodney L. Linkous - Seattle, WA
73602	VE4AHH	Harry J. Humby - Winnipeg, MB
74282	K9REH	Richard E. Harris - Morgantown, IN
75078	K0YNE	Paul E. Buresh - Nelson, NE
75600	WA9AQL	Philip J. Tollefson - Pewaukee, WI
75966	KC0DTD	James M. Cline, III - St. Louis, MO
75977	N1JCW	James C. Wolf - Hanson, MA
77804	KF7RM	Radar S. Matt - Phoenix, AZ

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

ANTENNA SAFETY NOTES

Tower and Coax: Some studies have shown that the bulk of lightning current travels in the shield of the coax. A considerable voltage difference can exist between a tower leg and the coax braid if the first connection between the two is at the bottom of the tower. You may want to consider breaking your coax near the top of the tower, having one section to the antenna with the flex loop to accommodate rotation and another section down the leg of the tower. Securely fasten a plate to the tower leg and use a double female connector with chassis nuts (often called a bulkhead connector) to join the two coax lengths. This gives you a connection between the coax braid and the tower leg. This is not the only ground you should use, but an extra one.

Total Disconnection: During violent electrical storms, surges can enter the station equipment from several sources: the antenna lines, the AC power lines, and ground. When dealing with surges, do not think in terms of complete electrical paths. A surge can charge components, cases, and chassis, and create high voltages across components that are designed for low voltages. Hence, during violent storms, do a complete disconnect.

Outdoors, disconnect all antenna feed lines and reconnect them to a ground rod in the station ground system. Indoors, disconnect antenna feedlines from the station equipment. Unplug all equipment – or that power strip you use as a master switch. Most power switches are single pole, so one must unplug in order to break the neutral and ground line paths along which surges can travel. Also disconnect the station equipment from the master ground lead to the outdoor ground rod system. If you do some careful planning, you can make all these moves in under a minute. Just be sure that all the connections are accessible and require no tools to connection and disconnection.

While it may be true that a direct strike is rare, most damage occurs from nearby strikes that place heavy voltage surges on power lines, antennas, and the ground. You can do a lot to keep them outdoors, where they belong.

Towers: Towers, whether free standing or on the roof top, require some special thought. Too few hams actually study tower installation before putting up the first one. Here are some things to think about:

1. What are the requirements for the tower base, including the concrete, rebar, excavation, etc.? Never under-support a tower at its base.
2. What, if any, are the guying requirements? If a tower is a guyed model, install the guying system to at least the manufacturer's standards. Be certain that guys are correctly and adequately anchored – and that they do not present a hazard to those who use your yard. If the tower can use a building support, be sure that building is up to the job. Most roof-line facial boards on a house are not.
3. Where does the tower go? Place it where it cannot hurt neighboring property (or people) if the tower and antenna fall under the worst conditions imaginable. Also try to place it where it will not hurt your own home and family if it falls.
4. Where do the feedlines go? Be sure that feedlines do not create either an electrical or a physical hazard for family members or visitors.
5. What are the codes? The more urban your setting, the more you may be subject to codes and ordinances that require permits, special requirements (for example, conduit for control voltages over a certain value), inspections, and, in some cases, licensed installers. Do not under any conditions bypass these requirements. Investigate in advance to know what you have to do and what it will add to the cost of the installation.
6. What about intruders? Towers are in some places classified as attractive dangers, which is why they might be to a neighborhood child with an urge to climb. Hollering is a deterrent, but not protection. Consider fencing in or cladding the lower tower sections so that the tower cannot be climbed.
7. Are any of the tower conveniences dangerous? Crank-up and tilt-over towers are convenient, but usually rely on cables, pulleys, and gearing to go up, come down, and stay in position.

Analyze the stresses on these auxiliary parts to ensure that they can safely handle the loads. Develop a maintenance schedule for inspecting and for replacing cables before their lifetime is ended. If they die on the job, disaster often results.

Insurance: Carry all you can afford that may be relevant to hazards that antennas may present. However, never let the existence of insurance be a substitute for the best possible practice in the installation and maintenance of antennas and their supports. The lives you preserve may include your own and those of your loved ones.

This is not a complete look at all the facets of antenna safety. We have not even reminded you to keep your antenna and supports well away from power lines. But perhaps we have said enough to prompt you to do a periodic inspection of your own safety measures – and perhaps some reading into the handbooks and other literature. The three key words are these: protect, divert, and prevent.

L.B Cebik, W4RNL #41159 (SK)

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.

2023 Ten-Ten QSO Party Schedule

Event	Dates	Postmark
Spring Digital	April 29-30	May 8
Spring CW	May 6-7	May 15
Open Season	June 3-4	June 12
Weak Signal	July 8-9	July 17
Summer Phone	Aug. 5-6	Aug. 14
Sprint	Oct. 10	Oct 18
Fall CW	Oct. 21-22	Oct. 30
Fall Digital	Nov. 11-12	Nov. 20
Anniversary (61)	Jan 1 - Dec 31	Jan 8, 2024
Meet the Volunteers	Jan 1 - Dec 31	Jan 8, 2024

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 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.

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 "61" in their membership number (i.e., 72061, 69615,66154, 61126, 00607) 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):*

- 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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