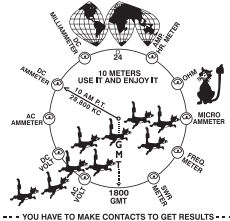


TEN-TEN INTERNATIONAL NET, INC.



TEN-TEN INTERNATIONAL **NEWS**



Member
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NEWS SERVICE

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ARRL NORTHWEST DIVISION CONVENTION



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The Ten-Ten International News

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News items should be sent to the Editor. Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted must be typed, 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 September 2016

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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From the Editor

Randy Mather, AJ7B
 #7675

With this edition the voting begins for new officers and directors of the 10-10 International Net. You will find pictures and biographies on each candidate in this issue. Please make sure you read the bios and then vote. President Sojka has some words on voting. Please read his column on page 5. There are additional instructions on the ballot and the candidates BIO page.

Information on 10-10 activity was a little light this last quarter. Propagation being the way it is makes for few contacts in the QSO parties. Also net check-ins are low. However, I did attend the ARRL Northwest Division Convention this June and wrote an article about my experiences while attending the event in Seaside Oregon. Met some new hams and learned a lot about what's going on in the hobby.

I did receive a few responses to my request for information on what "VP" stands for. Al, N1API wrote: "As I remember it VP is exactly what it stands for Vice President. It was an honorary position you obtained when qualifying for the awarding in the early years when 500 10-10 contacts was a difficult thing to obtain." Next I got an email from Garry, VA7SJ who wrote: "I was told that once you have earned the VP, you are then an 'Honorary Vice President'."

Horacio, LU1BJW sent me a copy of a letter he got from 10-10 when he obtained his VP in May of 1986. What is significant about this letter is it is from the person who received VP #1, Grace Dunlap, K5MRU (SK) #218. I think this letter gives us the definitive answer I and others have been looking for. As the letter itself is a photo copy and doesn't display well in this newsletter, I will retype the text of the letter here.

THE INTERNATIONAL 500 OF THE WORLD

In May of 1971, Frank Orcutt, W4JO, who was then Awards Manager for 10-10, founded the International 500 of the World to provide additional activities for 10-10's Honorary VP's – those who had worked and attained Bars for at least 500 other members of 10-10. President was Grace Dunlap, K5MRU, and Vice President was W6LRY, Claude Martin. Both W4JO and W6LRY are now silent keys. At the time of Frank's death, only 31 of the VP's had worked as many as 100 other VP's, and only 2 had worked 200.

In addition to providing more activity for VP's, Frank Orcutt's arrangement had one other objective in view, and that was to provide opportunities for contacts in portions of the 10 meter band not so frequently used at the time. For that reason, he specified that contacts to attain the VP awards must be made either between 28.500 MHz and 28.550 MHz, or above 29.000 MHz. Because of the cyclical nature of 10 meter propagation, there will be periods when those portions of the band will still have little or no use, unless some deliberate attempt is made to encourage such use. For that reason, the rule will still apply.

Any member of the 10-10 International Net who has earned his 500 bar is automatically a member of the International 500 of the World. The number attached to his 500 bar is also his number for VP activities.

(Editor's note: At this point the letter spells out how to get VP certificates which is too lengthy to include in this column.)

Grace Dunlap, No. 218, VP No. 1

Thank you Horatio for finding and sharing this piece of 10-10 International Net history.

73, Randy

Ten-Ten Top Operator Award

This award is based upon the number of times a member's call appears on new applications. Quarterly winners are awarded a certificate. The overall winner for the year will be awarded a plaque. There are two categories; one for Net Control station and one for the current members at large. This quarter there was a ten-way tie.

The Top Operators for Q2 are:

Operators - **DK7LA** Wolfgang Dethlefs #66048
DJ3LA Marianne Dethlefs #70617
DH1PAL Werner Theis #69212
DF3TE Elfie Herre #69610
DL5HAN Jurgen Radtke #69621
DL5HCN Elke Radtke #69620
DL1KBQ Hans Zitzen #70303
DH3KAT Heide Zitzen #70302
DF4UM Marion Moller-Herrmann #69822

Net Control - **N6OPR Bob Farrow** #45715

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Alan, WB9WZI	#76209	IL
Mon (28.800)	Doc, WB6OJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Tues (28.800)	Ann, KE6OIO	#68997	CA
Wed (28.380)	Marilyn, WM2W	#76400	FL
Wed (28.800)	Louise, N6ELK	#36654	CA
Thu (28.380)	Bob, N6OPR	#45715	AZ
Thu (28.800)	Robert, KQ4PK	#63201	NC
Fri (28.380)	Terry, N0TW	#36547	FL
Fri (28.800)	Bob, K6DNR	#75386	CA
Sat (28.380)	Dan, KC8IM	#31959	MI
Sat (28.800)	Open. Contact N6OPR for info		
Sat (28.125) CW	Jim, W19X	#49635	IL

Sunday **NEVER ON SUNDAY**

NET CONTROL STATIONS NEEDED

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

10-10 Has Two Official Daily Nets

28.380 and 28.800

Both Run At 1800z

Every Day Except Sunday

**There is also a CW Net on 28.125 MHz
starting at 1800z on Saturdays**

Listen And If You Can Hear Us Join IN!!!

NEW LIFE MEMBERS

09706	WA1PIO	Robert J Rogers	ME
17731	W4ODY	Dennis R Cogswell	VA
54364	W5LIF	Stephen P Elliott	CA
59055	KI6JQ	David G Hatch	CA
63336	AA5WT	Thomas J Brooks	LA
75838	KJ4SLK	Stephen A Myers	FL
76263	K9TRV	George Byrkit	MI



From the President

Mel Sojka KD5DE
#33513

UPPER LEVEL QRM

"Woe is me", when I was young living in the country the use of soap in a child's mouth to discourage profanity was common. Currently there are no words that are considered in poor taste. Not on TV, in the movies, or on the street. Anger, hate, and violence seem to be the norm. It seems that in today's morality all is OK and there is in fact very little morality. Maybe that is really the root to the evil that seems to be prevalent in today's world? All that said, I maintain what I was taught to be correct and normal, therefore "woe is me" is how I comment on current 10 meter band conditions.

For the first time since I was elected as your President, I was unable to attend the Dayton Hamvention. This is the prominent event on the Amateur Calendar and critical to the growth and visibility of 1010. Over the past 3 years I have become a caregiver and at this point I can not leave my spouse alone for more than a couple hours max. The cost of nurse care is now beyond what my retirement can afford and politics now dictate that the majority can receive no assistance in these cases. Therefore, instead of fishing, hunting, or QSO parties I have to remain physically visible to my wife. I will say it is a unique experience.

This brings back into focus the fact that using the retired community and the foundation for growth is treacherous at best. Four of the current Officials have spouses with major health issues, two have had heart surgery, three have resigned due to health issues, and we had one pass while in office. Recently a friend wrote an article in another Amateur publication making a similar conclusion. I will make this statement in all honesty, the office of 10-10 President is not exactly what one needs to seek as retirement entertainment. Younger officers are the doorway to growth, those of us 70 and older are using tools gained from experience that is 20 years in the past. I can and have built transceivers, but to program today's rigs is beyond me.

On a side note, after many years of service as our recording Secretary, Jerry Heien, N9AVY #43313 recently resigned. Jerry felt that he could no longer serve since he is continuing to run his business well past the retirement age. That can be a downside to self-employment. Thank you Jerry for your service to the 10-10 organization.

As the cycle ebbs, the need for local chapters is becoming increasingly critical. I often receive emails from new members asking about the chapters in their vicinity. In most instances I reply that there are none and the need is there. I am considering moving the local 10-10 net back to Thursday evening, maybe even back above 28.500. There are far too many contests and DX conflicts on Saturday morning. Even when there is activity, I do good to have a half dozen make the net. This seems to now be common with many of the older chapters. Some of the old chapters with a very large membership are now history with more in danger of becoming extinct.

It was approved to use on-line video conference tools for the BOD meetings several years ago. We have tested the program several times and will hold the first meeting in early June. The conference tool will allow up to 50 to join the conference. That means about 35 guests can be in conference with the officials. This is a very cost effective means of conference. No travel or housing is required. This makes it possible for members that are not retired to serve easily in official offices. The only issue is the time frame for meetings. Sunday afternoon at 3:30 Central works for the US, but would mean late evening for Europe or early morning for Oceania. The meeting agenda required modification and the reports will be distributed in a document prior to the conference. Changes with Internet technology and better access speed make this a feasible means of conference. We may have monthly meetings and possibly open these to members at large.

Well here we are, election time once again. You will find in this edition the BIOS of all the candidates. You will also find the ballot with only the contested offices included. You can use the enclosed ballot or vote electronically on the web. Voting on-line is extremely simple. Access the website at [HTTP://www.ten-ten.org](http://www.ten-ten.org) and login using the credentials you selected. If you are a paid up member, you will see a menu item on the far right labeled Members. Click on that menu and you will see a drop down of menu items that are available to paid-up members. Find the item labeled 2016 Election. Click that item to begin the ballot.

Once you start the ballot process, you cannot stop and return. You must finish the ballot in one sitting. Before you click the submit button at the bottom of the ballot, check your votes to make sure you have voted correctly. Once you submit the ballot, you can not return to change a vote.

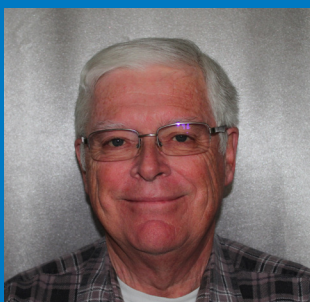
When you click the submit button, your vote will be automatically tallied, and your name will be recorded in the Voted Queue to prevent you from voting again. The Election Teller will have access to the Voted Queue to De-conflict any mail-in ballots but will not have any access to view how one voted.

If the Election Teller receives a mail-in ballot from someone who has voted electronically, both of those votes will become null and void.

Please vote, with electronic voting. There is no reason not to cast a ballot.

May the RF be with you!

God Bless & 73, Mel KD5DE #33513



Chapter Coordinator

Jim Fox, KA0ZPP
#43428

General News

- 1) I blew it last issue, over-correcting some of the summer net times in the Ten-Ten Net Guide. I thought the "ZSUM" times of 0001 were incorrect, but they were OK. If a net meets at 0100 in the winter, it will meet at 0000 in the summer in order to keep the same local time for the net. 0001 is used, instead, to avoid confusion with the day of the net. Thanks to those who pointed this out to me. If there are any other corrections, let me know. Note to our DX members: "Summer Time" (a.k.a. "Daylight Savings Time") in the U.S. now runs from the end of March until the beginning of November.
- 2) If your chapter is planning a special during the months of October, November or December, please let me know so I can include the details in the September newsletter.
- 3) Over the past year, we have had several chapters become QRT. Two common reasons have been hard drive crash, losing all records, and Chapter Head or Certificate Manager becoming Silent Key. I urge all CH to make succession plans to keep the chapter active in those events. With the advent of inexpensive "Cloud" storage, there is no reason to lose chapter history and data to a local drive malfunction.
- 4) The stated purpose of Ten-Ten has always been "to promote activity and good operating practices on the 10 meter amateur band." This is especially important during those times when the solar cycle is not favorable for long distance communications. Local chapters are essential to keep the band active during such times, and your efforts are appreciated.
- 5) Reminder of Quarterly Reports Due: In Extremis (no report of activity since first quarter 2015 or earlier), will lose affiliation if a report is not received by August 1: Bauxite, Chesapeake Bay, Down Under, Gold City, Kentucky Cardinal, Keystone/Keystone Stars, Maineiacs, New Mexico Mud Ducks, Oklahoma Route 66, Sky Blue Waters/Tin Lizzie, Space Coast, Steel City, Twin Cities. If you did submit a report in the past year, please send me another copy since it was not in the materials I received from Cliff. Past Due (no report received during first quarter when due): Chief Seattle, Major

League Baseball. Reports received after May 30 (date of this report) are not included here and will be acknowledged in the Chapters section of the 10-10 website.

Chapter Reports Due in Coming Months. August: Minuteman/Old Ironsides, Tango; September: Possum Trot. Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2015 in which the last report was received.

CHAPTER NEWS

- 1) City of Lights celebrated 2043 consecutive nets in January. Gateway Chapter will celebrate its 3000th consecutive net in July.
- 2) City of Roses, Portland Bridges and Restoration Project are suspending weekly net operations for the summer and will resume in September.
- 3) Oregon Trail has changed their weekly net frequency to 28.330 MHz on Sunday in order to attract more Technician licensees.
- 4) Chapters that accept email upgrades as of May 30. All the listed chapters generally need previous, new and total points and seals claimed. Any transaction with the CM that requires that a certificate be issued, and most worksheet specials, should still be handled via US Mail. Also, it is good practice to keep a detailed listing of the upgrade in the event that the CM should require verification. Requirements peculiar to a particular chapter are noted.

(** indicates change)

Alii – CM WH6S, wh6s@outlook.com. Use form available from the CM.

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

Bay Area – CM K6RDK, k6rdk@arri.net

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

Branding Iron II/Tail Driver – CM N5SCA, n5sca@sbcglobal.net

Castle Craig – CM N1API, n1api@cox.net

Chesapeake Bay – CM N3TGB, n3tgb@aol.com

City of Roses – CM K7PRZ, k7prz@isp.com

Colorado Centennial/Colorado Frontier Gang – CM WB0CON, wb0con@comcast.net

Cradle of the Confederacy – CM K4PO, k4po@charter.net

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

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

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

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Sky Blue Waters/Tin Lizzie – CM KA0ZIA, sbwtl1010@gmail.com

Space Coast – CM K5FBS, k5fbs@yahoo.com

Speedway – CM W7CAR, w7car@arrl.net

Steamboat Plus – CM KD5DE, kd5de@nwla.com

Steel City – CM KE9WZ, ke9wz@windstream.net

Twin Cities – CM K0DBK, kzerodbk@gmail.com

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

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

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distinguished amateurs!

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www.qcwa.org/join-renew.php

For more information contact
gm@qcwa.org

TEN-TEN NET GUIDE

As of June 1, 2016

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SUN	0300	0400	Chief Seattle	Seattle, WA	28430	WED	1400	1500	EU DX/Branding Iron	Bergamen, DL	28355
SUN	1300	1400	Arlington	Arlington, VA	29200	WED	1700	1700	Gold City	Rutherfordton, NC	28425
SUN	1400	1500	Neanderthal Chapter/ Springbok	Leichlingen, DL	28355	WED	1700	1800	Channel Islands	Oxnard, CA	28340
SUN	1430	1430	Cincinnati Area Ten Tuners	Milan, IN	28960	WED	1930	1930	Route-66	Boonville, IN	28370
SUN	1630	1730	Possum Trot	Raeford, NC	28345	WED	1930	1930	Windfarms	Livermore, CA	28485
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28375	THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350**
SUN	1800	1900	Portland 500	Portland, OR	28350	THU	0100	0200	Gateway	St. Louis, MO	28650
SUN	1900	2000	Oregon Trail	Dallas, OR	28330**	THU	0001	0100	Cow Town	Arlington, TX	28460
SUN	1930	1930	North Georgia	Atlanta, GA	28610	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
SUN	1930	2030	Steel City	Eubank, KY	28420	THU	0100	0200	Channel Islands	Oxnard, CA	28340
SUN	2030	2030	Santa Fe Trail/Springbok	Galesburg, IL	28385	THU	0230	0330	Windfarms	Livermore, CA	28485
SUN	2030	2030	Santa Fe Trail/Springbok	Galesburg, IL	28120 PSK	THU	0230	0330	Up The Crick	Eugene, OR	28450
SUN	2100	2200	Possum Trot	Raeford, NC	28150 CW	THU	0300	0400	Chief Seattle	Seattle, WA	28430
MON	0001	0100	Chesapeake Bay	Chestertown, MD	28435**	THU	1930	1930	Speedway	Rainer, OR	28350
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	THU	2000	2000	Branding Iron	Kemper, TX	28345
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	FRI	0001	0100	Fort McHenry/Cornerstone/ Yodar Kritch	Arbutus, MD	28370**
MON	0100	0100	Lonestar	Arlington, TX	28460	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
MON	0130	0230	Bauxite	Benton, AR	28470	FRI	0310	0410	Kentucky Cardinal	Russellville, KY	28600
MON	2030	2030	Space Coast	London, KY	28355	FRI	0310	0410	Kentucky Cardinal	Russellville, KY	28480
MON	2330	2330	Sky Bl Wtr/Tn Lzz/Twn Ct	Inver Grove Heights, MN	28380	FRI	1400	1400	New Waterkant	Boerm, DL	28355
TUE	0001	0100	Branding Iron	Kemper, TX	28325**	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530
TUE	0001	0100	Ft McHenry/Cornerstone/ Yodar Kritch	Arbutus, MD	28370**	SAT	0001	0100	MAINE-iacs	North Haven, ME	28777
TUE	0100	0200	CO Centennial/ CO Frontier Gang	Lakewood, CO	28340	SAT	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430
TUE	0130	0230	City of Lights	St Charles, IL	28720	SAT	1400	1400	Hanse	Hamburg, DL	28355
TUE	0130	0230	Bauxite	Benton, AR	28470	SAT	1500	1600	Republic of Texas	Eules, TX	28460
TUE	0130	0230	OK Route 66 Chapter	Oklahoma City, OK	28390	SAT	1510	1610	Louisiana Pelican	Livingston, LA	28450
TUE	0300	0400	Bay Area	Hayward, CA	28475	SAT	1600	1700	City of Roses/ Portland Bridges	Ridgefield, WA	28835
TUE	0430	0430	Aloha	Hilo, HI	28490	SAT	1730	1730	Tango	Buenos Aires, LU	28650
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835	SAT	1800	1800	Keystone/Keystone Stars	Brea, CA	28765
T/W	2330	0030	Republic of Texas	Eules, TX	28560	SAT	2000	2000	Restoration Project/ Feline Friends	Port Alberni, BC	28750
T/W	2330	0030	Minuteman/Old Ironsides	Saugus, MA	28409	SAT	2200	2200	Alii	Lihue, HI	28730
WED	0001	0100	Castle Craig	Meriden, CT	28375**	** Indicates a change since the last published list.					
WED	0001	0100	Cincinnati Area Ten Tuners	Milan, IN	28800	All changes to the above times and/or frequencies should be referred to the Chapter Coordinator if you desire your net information to be accurate. Chapter Coordinator: KA0ZPP, Jim Fox, PO Box 135, Mayhill, NM 8839-0135. E-mail: ka0zpp10ten@gmail.com .					
WED	0100	0200	Houston SHOT	Houston, TX	28488						
WED	0100	0200	Gateway	St Louis, MO	28650						
WED	0200	0300	10 Bar X	Canutillo, TX	28445						



DX News

Mike Davidson, N5MT
(#24949)

Welcome to the 2016 Summer season as we prepare for the non-1010 event called Field Day. Many of you have operated on Ten during Field Day in past years but this year its going to be a tough band to make contacts on. The average solar flux is staying at one hundred or less, so less energy from the Sun will provide less propagation during Field Day, thus lower scores on all bands will occur this year. It has been several years since I operated from home for Field Day as I am active with my local club here in the Houston area and we are going to try and win our category, like we did last year. Some 10-10 members do operate Field Day and swap numbers, but the event can produce some unexpected propagation paths on Ten that we do not see during the past winter months. So get on the air and put out a signal on Ten during the last weekend of June for Field Day 2016.

Last quarter, I encouraged you to send in your computer logs to the LoTW system at ARRL. If you will do this update once a quarter, you should get good results. If you update after a major contest, that is also fine, just get the data into LoTW. Many hams are now using LoTW as their main QSL procedure to reduce postage costs and time to process paper QSL cards. After several good DXpeditions during the Spring, I have upload my recent logs to LoTW and picked up a few more band countries! So you need to do the same for your station. Good luck.

During the VK0EK Heard Island DXpedition, there was a real time web page that showed call signs that were being logged by the DXpedition in real time. There was about a one-two minute delay, but it was a fantastic sight to see when I worked them on 10 MHZ with my 14 MHZ antenna! I went to the **DXA.VK0EK.org** web site and there was my call in a list of just worked stations! So my non-resonate antenna was heard on Heard for another band country. This web site had a real time display of where they were making contacts on a world map. Thus, you could see where the propagation was trending. There was a QSO search at the bottom of the web page for you to put in a call. The results showed which bands you had worked the VK0EK on. This feature reduce the number of duplicate contacts hams made and this helped get more calls into the log!

You can use the DXSummit spotting network to watch which bands the DX is being spotted on at: <http://www.dxsummit.fi/>. You can set a DX filter to just watch Ten meters by clicking on a tab and saving the filter. Likewise, filter CW spots vs SSB or RTTY. Do not forget, you can send a spot that you hear into the cluster by using a box on the right side of the page where you can enter the station's info. It's a spotting cluster for contest info and on the air events that may not be DX.

There was a all-time-new DX country with a 10-10 member who operated from Juan de Nova this past quarter. In March-April, FT4JA operated by Flo **F5CWU** #71812, provided a few of us with a new 10-10 country from the Indian Ocean. Propagation to the USA was poor on all bands when the DXpedition started and it took several days before we could hear a weak signal on Ten but they were workable in the USA. Towards the end of the DXpedition they were on CW/SSB with a better signal. The best propagation was on 15 Meters going into Europe, where they had the most QSOs.

As I am finishing up this article, and I see that there were 19 reported operating events this quarter. Compared with previous quarters, our 10-10 members have operated from fewer DX countries this year. Looking at the planned events for the rest of 2016 shows only eight DX events and this fact must be a record low number of upcoming events as compared to my past articles! The good news was there were seven new DX members that joined 10-10 this past quarter!

I found a new web site for solar propagation and ham radio at: www.SolarHam.net. Good luck.

Countries Award: There was no Basic Countries Award and no upgrades issued this past quarter. If you apply for any 10-10 award, please check the website for a complete list of the rules.

The 10-10 Countries award began 35 years ago in September 1981 with about fifty members applying for the new award. Our award is the equal of the ARRL DXCC award but we must also work/swap our 10-10 numbers on Ten. Our award starts at 25 countries vs 100 for DXCC. As of today there have been only 641 members issued a 10-10 Basic Countries award but there are 7250 ARRL DXCC Ten meter endorsement certificates. 10-10 records only show 51 members who have credit for 100 countries. This ratio is less than 1 percent of the total ARRL Ten DXCC stats! On Ten meters, the most 10-10 countries worked is 302 by your DX Editor N5MT and for ARRL DXCC it is 366 by JH1AJT who is not a 10-10 member.

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

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

8R Guyana. Esmond **8R1AK** #72405, used special call 8R50GI from May 26th to June 2nd.

9A Croatia. Paul **N4PN/9A4PN** #74476, was in Croatia from March 1st to 8th with friends.

A9 Bahrain. Max **KE5JA/A93JA** #5185, was active during the SSB DX contest on March 5-6th. Max came home to the Houston area in May. Al **N5XZ** #4530, Max and myself had lunch and we swapped DX stories. Max is back in Bahrain as he was in the CW contest last weekend.

CU Azores. Dave **K1ZZ** #4852, operated call CU4DX from the Azores during the CQ WPX CW contest in May.

E5 South Cook Islands. John **AI6Y** #23332, was active as E51XYZ on Rarotonga from May 23-28th.

FP St. Pierre & Miquelon. Eric **KV1J** #31247, was expected to return for his tenth time to the island on March 17-29th 2016 mostly SSB and Digi. LoTW.

FO/M Marquesas Islands. Tom **GM4FDM** #31864 and friends, were on Marquesas from March 3-15th on CW, SSB and RTTY using a K3 radio, amps and hex-beam. Website: www.Marquesas2016.de.

FR/FT Juan de Nova. A DXpedition to the sixth most wanted country, Juan de Nova, took place in the Indian Ocean from March 29th to April 11. Call used was FT4JA. This well organized group had 7 stations running at the same time. The only 10-10 member was Flo **F5CWU** #71812 who is a good DX operator and there will be a new 10-10 country as a result of his operating. Web site: <http://www.JuandeNovaDX.com>.

H44 Solomon Islands. Roly **ZL1BQD** #19039, was on Honiara Island for several days ending May 25th.

HR Honduras. Gerard **F2JD** #63443, is back in Copan, Honduras as HR5/F2JD until July 13th using CW, SSB and RTTY and on all bands. QSL to F6AJA.

KH8 Am. Samoa. Tom **KC0W** #67688, operated only CW from Tutuila Island during April and May 2016.

LA Norway. Rene **DL2JRM** #69623, operated from Spjaeroy Island Norway during May.

P4 Aruba. Mike **K9NW** #29804 and John **W6LD** #72367, operated as P40L from March 5-6th.

PJ4 Bonaire. David **NA2AA** #40574, operated as PJ4G during the DX contest March 5-6th. Charles **PJ4/KG9N** #17038, operated from March 15- 22nd.

PZ Suriname. Matt **K0BBC** #76064, was with N0AT in Suriname from March 2-7th using call PZ5W. The radio was an IC-7600 sending CW, SSB and PSK.

T32 East Kiribati. Lee **N8LJ/T32LJ** #61088 and Stan **AC8W/T32WW** #62885, were with a group operating from East Kiribati from March 1-16th. They had

four stations using CW, SSB & Digi. There were seven ops so you had to find Lee or Stan to work a 10-10 member.

VP5 Turks and Caicos Is. Clint **W9AV** #75958, was in the SSB DX contest on March 26-27th with call VQ5E. The web site is: www.QRZ.com/db/vq5e.

YS El Salvador. Mario **YS1MAE** #9079 and friends, operated the WPX SSB contest March 26-27th with call HU1A. During SSB DX contest look for YS1YS.

YN Nicaragua. Mike **W1USN/YN5RN** #51238 and Bob **AA1M/YN5PL** #17930, were active from February 24th to March 4th. LoTW.

ZP Paraguay. Dale **N3BNA** #32100, was in Paraguay visiting friends and operated contest station ZP5DBC during the SSB DX contest the first weekend in March. His call was ZP5/N3BNA outside of the contest.

UPCOMING DX & NEW 10-10 ACTIVITY:

CY9 St Paul Island. In August, a group of ops will fly to St Paul Island and use call sign CY9C for ten days. Look for Randy **N0TG** #12990 and Will **AA4NC** #15774, who have operated from the island in the past.

FJ Saint Barthelemy. Jay **FJ/W9AEB** #6914, will be on the island from June 17-29th.

FM Martinique. Mac **WT4BT** #76242, will be with friends on Martinique from Oct 29th to November 4th.

OZ Denmark. Rene **DL2JRM** #69623, will be on Hjarbo Island during the IOTA contest at the end of July.

PJ7 Sint Maarten. Phil **K0CD** #42627, will be operating PJ7/K0CD at the end of November 2016. He will be low power QRP on 10-40 Meters.

PY0F Fernando de Noronha. Will **AA4NC** #15774, will be operating portable PY0F/AA4NC from October 17-27th 2016, especially in the CQ DX SSB contest.

T31 Central Kiribati. A twelve day DXpedition is being planned for October 2017 to Kanton Island. Call sign T31W. Members are: Arnie **N6HC** #29959, and Gene **K5GS** #15119. Website: www.T31W.com.

ZL7 Chatham Island. Haru **JA1XGI** #55571, will be on Chatham Island from November 24th to December 1st. All bands but mostly CW and RTTY. LoTW. Justin **G4TSH** #42972, will be with a group on Chatham from October 27th to November 10th using call AL7G. LoTW.

MISCELLANEOUS ITEMS & NOTES:

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

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

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

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

Propagation: I expect the solar flux to range from 78-114 the third quarter of 2016, which is a slight reduction from the past six months. The Summer solstices is on June 20th and HF propagation will shift as we get better signals from South America.

In February 2014 this solar cycle reached its peak flux of 170.3 and now over two years later, the **average** for May was 94.2. Note, we still have four more years of declining solar flux before the next cycle starts!

The **maximum solar flux** for each month of 2016 was: Jan 115, Feb 125, March 101, April 115 and May 116.

On June 1st the solar flux was 86, the A index was 10 and K index 2. The solar flux high on May 15th was 9 points lower than the max of 125 on February 4th.

Over the next four months, look for the best conditions on: June 10-13th, July 8-10th, August 3-6th, September 1-4th. For USA stations, expect a 5% chance of DX to Europe or Asia with a 50% chance of DX to S. America and the S. Pacific, later in the day. Listen to the beacons from **28.175-28.300 (especially 28.200)** so you will know where the DX path is open to in real time.

NEW 10-10 DX MEMBERS' MARCH TO MAY 2016:

March: None; **April:** 77475 VE3MT, 77478 DR2F, 77479 DR2Z; **May:** 77485 DK4VF, 77486 DO1UKR, 77487 DG8HJ, 77488 DG5NEW.

Thanks to the QRZ-DX, The Daily DX by W3UR #25731 and the Ohio/Penn DX Bulletins. Info to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA Email: N5MT@aol.com.

DX IS! Mike Davidson N5MT #24949

W6OI #109 ON THE AIR

REPORT FOR THE 10-10 INTERNATIONAL CLUB STATION W6OI ENDING 5/31/16

W6OI continues to be on the air for the various 10-10 QSO parties. Band has not been very favorable! I do continue to make a couple contacts in each 10-10 QSO party, but it takes lots of calling and of course listening!

May has been an interesting month with some propagation occurring usually in the early evening. At least here in Central US. I run a program on my smart phone which tells me if 6m or 2m has any sporadic openings. What has happened is that as I get notice of 6m opening, I go to 10m and usually find stations on from the same general direction that is happening on 6m. You can check out this free service at www.gooddx.net on the web or there is a free app for your phone called

EsSense. The free app works great since it will run in the background on your phone and give you an alert when contacts are being made from your general location. Check it out. And then come on back to 10m and have some fun!

I'm happy to report that we had a volunteer to operate during the digital party April 23-24, 2016 using the club call W6OI! Jim, ND6M, operated from Tennessee during the event. Jim managed 19 contacts, with 3 having 1010 numbers! I was truly happy to finally get someone to come forth and operate our party events. Anyone with interest contact me via email.

As noted in the April Newsletter, the W6OI special event has been canceled until further notice. I have not received any comments yet from the notice. I have also made note on the 1010 website forum that the event has been canceled. Hope propagation improves so activity increases for our various yearly events.

The 10-10 Club Station, W6OI, is available for operation to any current (dues paid) member or chapter for use as a special event station. AND, also available if any member would like to operate W6OI during any of the 10-10 QSO Parties. Just send your request along with copy of license and paid up membership to the following or via email (treismine2@yahoo.com):

Jerry Kopstein N9AC
8041 W. Lakeshore Drive
Burlington, WI 53105

W6OI is one of three official 10-10 club stations, the others being VE9TEN (trustee Rob, VE9KM) and DL0X (trustee Henry, DL8YBM). W6OI is operated on CW by Brad, K0DBK who makes available FISTS and SKCC numbers. W6VY, Bob operates on Geratol nets to give out W6OI Geratol number and promote 10-10.

Louise, N6ELK continues to operate W6OI on the 10-10 daily nets, which meet at 1800Z on 28.380 and 28.800. Bob, N6OPR also gives out W6OI details on the daily nets if Louise is not available.

Paper chasers working W6OI can request a list from Jerry, N9AC. It is available in ML format or just plain text. Listen for W6OI!

73's Jerry, N9AC

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.



Net Report

Bob Farrow, N6OPR
#45715

Net reports for first quarter of 2016

MONDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
4-Jan	17	5	4-Jan	11	0
11-Jan	31	3	11-Jan	11	0
18-Jan	2	0	18-Jan	12	1
25-Jan	2	0	25-Jan	14	0
1-Feb	2	0	1-Feb	13	0
8-Feb	2	0	8-Feb	11	0
15-Feb	54	14	15-Feb	12	2
22-Feb	2	0	22-Feb	10	0
29-Feb	2	0	29-Feb	17	0
7-Mar	30	5	7-Mar	14	0
14-Mar	2	0	14-Mar	13	0
21-Mar	2	0	21-Mar	15	2
28-Mar	2	0	28-Mar	7	0

TUESDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Jan	17	5	5-Jan	11	0
12-Jan	25	6	12-Jan	11	1
19-Jan	40	12	19-Jan	8	1
26-Jan	5	0	26-Jan	9	1
2-Feb	15	3	2-Feb	9	0
9-Feb	8	4	9-Feb	12	0
16-Feb	37	10	16-Feb	7	0
23-Feb	8	1	23-Feb	5	0
1-Mar	9	0	1-Mar	11	0
8-Mar	38	8	8-Mar	14	1
15-Mar	4	0	15-Mar	15	7
22-Mar	4	0	22-Mar	12	2
29-Mar	5	0	29-Mar	9	3

WEDNESDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
6-Jan	30	7	6-Jan	7	0
13-Jan	34	13	13-Jan	10	1
20-Jan	10	2	20-Jan	5	0
27-Jan	2	0	27-Jan	7	0
3-Feb	22	6	3-Feb	10	0
10-Feb	45	8	10-Feb	10	0
17-Feb	11	0	17-Feb	12	1
24-Feb	23	5	24-Feb	6	0
2-Mar	13	4	2-Mar	8	1
9-Mar	43	17	9-Mar	10	0
16-Mar	8	1	16-Mar	4	0
23-Mar	2	0	23-Mar	6	0
30-Mar	5	1	30-Mar	8	0

THURSDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
7-Jan	32	5	7-Jan	5	0
14-Jan	36	13	14-Jan	6	1
21-Jan	33	8	21-Jan	7	2
28-Jan	21	4	28-Jan	4	1
4-Feb	43	17	4-Feb	4	0
11-Feb	50	13	11-Feb	11	1
18-Feb	45	12	18-Feb	6	0
25-Feb	43	17	25-Feb	4	0
3-Mar	36	10	3-Mar	7	1
10-Mar	38	11	10-Mar	5	1
17-Mar	5	0	17-Mar	8	1
24-Mar	6	0	24-Mar	6	2
31-Mar	5	0	31-Mar	2	0

FRIDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
1-Jan	49	8	1-Jan	8	0
8-Jan	32	7	8-Jan	10	0
15-Jan	5	1	15-Jan	8	0
22-Jan	36	12	22-Jan	11	0
29-Jan	28	5	29-Jan	13	0
5-Feb	3	0	5-Feb	10	0
12-Feb	0	0	12-Feb	11	1
19-Feb	0	0	19-Feb	21	3
26-Feb	8	2	26-Feb	7	1
4-Mar	9	2	4-Mar	10	0
11-Mar	48	18	11-Mar	12	0
18-Mar	5	0	18-Mar	10	1
25-Mar	4	0	25-Mar	10	0

SATURDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
2-Jan	58	14	2-Jan	5	0
9-Jan	39	12	9-Jan	2	0
16-Jan	28	3	16-Jan	2	0
23-Jan	38	7	23-Jan	3	0
30-Jan	6	3	30-Jan	2	0
6-Feb	0	0	6-Feb	0	0
13-Feb	63	18	13-Feb	3	1
20-Feb	2	0	20-Feb	2	0
27-Feb	32	8	27-Feb	4	2
5-Mar	2	0	5-Mar	2	0
12-Mar	10	2	12-Mar	2	0
19-Mar	2	0	19-Mar	2	2
26-Mar	2	0	26-Mar	2	0

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Mon (28.380)	Alan, WB9WZI	#76209	IL
Mon (28.800)	Doc, WB6OJB	#70675	CA
Tues (28.380)	Ray, K7CWS	#50288	AZ
Tues (28.800)	Ann KE6OIO	#68997	CA
Wed (28.380)	Marilyn, WM2W	#76400	FL
Wed (28.800)	Louise, N6ELK	#36654	CA
Thu (28.380)	Bob, N6OPR	#45715	AZ
Thu (28.800)	Robert, KQ4PK	#63201	NC
Fri (28.380)	Terry N0TW	#36547	FL
Fri (28.800)	Bob, K6DNR	#75386	CA
Sat (28.380)	Dan KC8IM	#31959	MI
Sat (28.800)	Open. Contact N6OPR for info		
Sat (28.125) CW	Jim WI9X	#49635	IL

Sunday **NEVER ON SUNDAY**

NET CONTROL STATIONS NEEDED

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

ARRL NORTHWEST DIVISION CONVENTION

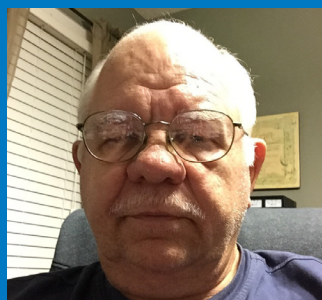
This June, I joined about 2,200 other Amateur Radio Operators and attend the 2016 ARRL Northwest Division Convention in Seaside Oregon. The train trip to Portland was very comfortable, and went through some very beautiful country on the drive from Portland to Seaside.



Seaside is a cozy little town whose western border is the Pacific ocean. It's also the place where Lewis and Clark ended their cross-country trek. It has a population of approximately 6,800 within its 4 square miles. When the weather cooperates, it is a beautiful place to visit. And the weather did cooperate during the convention. It was always clear with a very light fog on all three convention days. When Portland was reporting upper 90 degrees, Seaside stayed cool.

The convention was your typical convention, in that there was a sea of tables on the main floor that made up the flea market. Forty seven companies/vendors setup their booths as well. Some of the major equipment manufacturers like ICOM, Elecraft, Yaesu, Kenwood, and Flex-Radio were present. There was no shortage of booths where you could be separated from your money.

The first seminar I attended was "Getting Started with Amateur Digital Modes". The room was packed with standing room only. People were still arriving but left because there was no place to stand. I think if the fire marshal would have come by, more people would have had to leave. The information covered by Sholto Fisher (K7TMG) was a history of how the digital modes evolved in Amateur Radio community. Sholto walked us through the evolution of the digital modes, from when CW was the only mode available, to the long list of digital modes you can choose from today. At the end of the session, Sholto would play a sound and then ask the audience to identify the digital mode. There are some very strange sounds on the air these days.



QSO Parties

Dan Morris, KZ3T
#41015

2016 SPRING DIGITAL QSO PARTY

April 23 - 24

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. K4QHH	26040	7	43	57
2. N4ERM	34524	4	9	17
3. ZL3TE	53431	6	1	13
4. WA2HMM	40510	1	10	12
5. KZ3T	41015	1	7	9
5. WA3GM	46927	1	7	9
6. W2VTV	71275	1	3	5
7. AB6QM	63114	2	0	4
8. W0RTV	13962	1	0	2
8. K5CC	50708	0	2	2
9. KA5VZG	46596	0	1	1

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
W0RTV	13962	1	0	2

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	1	10	12
W2VTV	71275	1	3	5

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	1	7	9

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
K4QHH	26040	7	43	57
N4ERM	34524	4	9	17
KZ3T	41015	1	7	9

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
K5CC	50708	0	2	2

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
AB6QM	63114	2	0	4

COUNTRY ENTRIES

NEW ZEALAND

CALL	10-10#	CTX W	CTX WO	TOTAL
ZL3TE	53431	6	1	13

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
GOLD CITY	1	57
POSSUM TROT	2	26
GATEWAY	1	2

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NQ4K	0	0	1	1	

2016 SPRING CW QSO PARTY**May 7 - 8****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. KJ4RV	37776	19	6	44
2. N0TW	36547	13	9	35
3. N4ERM	34524	8	3	19
4. K0NM	75901	4	7	15
5. KN4Y	17757	5	2	12
6. KR4OE	62657	5	0	10
6. WB6OJB	70675	5	0	10
7. KU4W	20986	4	0	8
7. KW4BG	47350	4	0	8
7. KI4EZL	74359	4	0	8
7. AK4YS	75328	4	0	8
8. W1LIC	46677	2	2	6
8. ZL3TE	53431	3	0	6
9. AB6QM	63114	1	3	5
10. N5AF	1919	2	0	4
10. KD5DE	33513	2	0	4
10. N3GTU	50585	2	0	4
10. K5CC	50708	2	0	4

CALL AREA ORDER**CALL AREA 3**

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	1	0	2

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
KJ4RV	37776	19	6	44
N0TW	36547	13	9	35
N4ERM	34524	8	3	19
KN4Y	17757	5	2	12

KR4OE	62657	5	0	10
KU4W	20986	4	0	8
KW4BG	47350	4	0	8
KI4EZL	74359	4	0	8
AK4YS	75328	4	0	8
W1LIC	46677	2	2	6
N3GTU	50585	2	0	4
KZ3T	41015	0	2	2

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
K0NM	75901	4	7	15
N5AF	1919	2	0	4
KD5DE	33513	2	0	4
K5CC	50708	2	0	4

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
WB6OJB	70675	5	0	10
AB6QM	63114	1	3	5

QRP

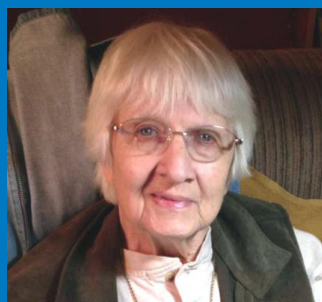
CALL	10-10#	CTX W	CTX WO	TOTAL
KI4EZL	74359	4	0	8
N3GTU	50585	2	0	4

COUNTRY ENTRIES**NEW ZEALAND**

CALL	10-10#	CTX W	CTX WO	TOTAL
ZL3TE	53431	3	0	6

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
POSSUM TROT	9	111
HOUSTON SHOT	1	15
STEAMBOAT	1	4



Silent Keys

Ruth Bartholomew, N0KDB
#48715

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
156	WB6GGL	Neil E Banks Sr - Blair, OK
790	K3YAY	David C Holland - Berlin, MD
1663	K8RFN	Delbert C Crook Jr - Bay City, MI
3867	W2KPZ	Robert C Paulsen - Poughkeepsie, NY
5090	W9JJT	Richard G Wood - Leaf River, IL
5816	W5QP	Richard D 'Rick' Henry - Fayetteville, AR
6268	K6OP	Ronald N Rasmussen - Sun City West, AZ
6496	WA2QIQ	Milton L Trzaska - Clarksburg, NJ
7036	W3BIV	Warren W Burtis - Shamong, NJ
7538	W5BUB	Ewell D Pendergrass - Cedarville, AR
8128	W4JIK	De Witt R Gooch V - Elizabeth City, NC
8686	WA9RAP	William E Kindred - Fort Wayne, IN
8832	K7YQI	Thomas C Folkman - Tempe, AZ
9714	W1ALX	Walter F Alden - Danvers, MA
10383	K2KXG	Robert M Norman - Mesa, AZ
11637	K5EYL	Ira C Manire Jr - Willis, TX
12399	W4STX	William K Penhallegon - Clearwater, FL
12492	W8AOQ	Steven C Gabridge - Warren, MI
12660	WB2FBP	Bernie J Kolacki - Broadalbin, NY
12900	KD4DJ	Robert F Sawinski - Leicester, NC
13032	W6HFJ	Sidney Saperstein - Marina Del Rey, CA
13568	K4OCF	William A 'Tony' Blalock - Ocala, FL
13883	W6AQ	David L Bell - Encinitas, CA
14408	WA3HUP	Mary A Crider - Duncannon, PA
14529	K8OMO	Donovan P Whitaker - Alliance, OH
15250	K0TWG	Kenneth L Youngberg - St Paul, MN
16018	K0VRW	Richard R Garrison - Strafford, MO
16085	K0PE	Christopher P Charron - Maxwell, IA
17215	W5JOV	George I Hunsaker - Albuquerque, NM
17504	WD4FCC	Raymond T Buchholz - W Palm Beach, FL
18200	WB2MUT	Roger E De Laney - Durhamville, NY
19485	WB0YWW	Robert L Burris - Moorland, IA
20054	KB9OC	Sus Musashi - Milwaukee, WI
20141	KR4EW	James A Davies - West Grove, PA
20580	WA1ZOO	William A Shaffer - Torrington, CT
20914	WD4AHZ	Ronald C Wetjen - Sarasota, FL

10-10#	Call	Name - City, State
21187	WB6ULU	Lloyd T Harwood - Orange, CA
22298	W7CO	Michael E La Combe - Port Orchard, WA
23060	WA4TKL	Robert E Harvey Sr - Columbus, GA
23146	W9TDQ	Sheldon J Shalett - Mesa, CO
26851	WA4PPC	Cecil T Jernigan - Wilmington, NC
28125	KZ1Z	Peter W Kemp - Wesley Chapel, FL
29364	KN2B	Harry G Polhemus - Manahawkin, NJ
29423	WD5GJP	Darril G Holland - Groves, TX
31175	AL9A	Gary R Senesac - Wasilla, AK
31363	K1IEQ	Kenneth D Harmon - Mason, NH
31365	W1EDL	Eugene D Lavalley - Millbury, MA
31623	K6VMN	Harry M Shroyer - Camarillo, CA
32404	N9BCP	Jack W Fulk - Cromwell, IN
32586	KA1FGI	Charles R Mock - Meriden, CT
33197	N9FMN	William F July - Milwaukee, WI
34523	NG4E	Oliver T 'Tom' Webb JR - Morgantown, NC
34576	K4AVK	James A Allen - Birmingham, AL
34984	KA0KUC	Donald J Krampfer - Dakota City, NE
35463	KD8XQ	Rex G Burton - Danville, WV
35864	KE7LT	Rev William T Farley - Teton, ID
38179	K9AAA	David L Burk - Kalamazoo, MI
38290	N9DKK	Charles W Riley - Normal, IL
39896	KA9KOB	Edward G Doran - Barry, IL
41643	WA0TNS	Charles H Eaton - Wichita, KS
42436	W3TFA	Stanley F Brigham - Takoma Park, MD
43265	N4MQW	Fredrick A Alvis - Lynchburg, VA
43988	WA2UXE	Eugene M Caporale - Patchogue, NY
44143	WA3IBE	Russell M Lockett - Summersville, WV
44524	WD8BNE	Donald R Symonds - Sandusky, OH
46397	N6NRX	Sam C Bigham - Magalia, CA
47035	WR2R	William J Fortuner - Ilion, NY
47495	DL1MDX	Robert Brunke - Karlsfeld, GER
47736	ex-NN8M	Stanley Friedman - Canton, OH
48027	W3LD	Richard V Haire - LeRaysville, PA
48157	W1WTG	Charles L Chapman - Virginia Beach, VA
48719	KB0CRQ	Bobby G Cunningham - Leesville, LA
49386	KA5NXV	Joseph Warshawsky - Morristown, TN
49857	WD8PVB	Robert F Woodworth - Rome, OH
52258	WD4MVL	Frank E Roddy - Acworth, GA
52864	WJ8H	Edward J Thaman - Lima, OH
53491	WB3IWU	William C Belt, - Westminster, MD
53622	N4RMO	Myron J Sasser - Birmingham, AL
53748	W6RVA	Donald J Sinex - Huntington Beach, CA
55679	AC7DX	Ron G Lago - Eugene, OR
56450	W7UMR	Richard J Nolan - Salem, OR
56508	N1FOJ	John C Moore - Contoocook, NH
58189	W2IDO	Douglas Cherkas - Wantage, NJ

10-10#	Call	Name - City, State
58505	K3PT	Bobby J Manning - Harrington, DE
59889	AB8GD	Jack E Reed - Columbus, OH
60271	AA9IX	Chester E Shafer - Indianapolis, IN
60552	W2JAJ	Maurice I Sasson - Port Saint Lucie, FL
60864	KC4VU	Neil R Leibowitz - Plantation, FL
61062	N8QQA	Carl E Moore - Galion, OH
61337	W3RFQ	Kenneth G Mc Kee Jr - Odenton, MD
61457	WE9M	Gregory D Taylor - Westport, IN
61783	WA2ZMS	Edward R Egolf - Lakeland, FL
62691	KR4WN	James G Rice Jr - Montgomery, AL
63268	KU4PC	Michael W Jensen - Jupiter, FL
64260	W2SMW	Steven M Wiseman - Tonawanda, NY
64718	KR4IC	James E Thomas - Ringgold, GA
65551	W2GFJ	Warren R Potter - Franklin, NC
66354	N7YNU	Lloyd M Kelley - Auburn, WA
68425	KC4MOC	Richard H Greene - Metamora, IL
70224	N8FI	Michael D Fielder - Royal Oak, MI
72176	W2AKT	Paul M White - Herman, ME
72382	K10W	Larry R Holm - Grand Forks, ND
72917	N8UOS	James C Luman - Tiffin, OH
73392	W3MDM	Robert W Seaberg - Wheaton, IL
73401	VA3GRL	Michael David Brown - Oakville, ON, CAN
73865	K5SFA	Lawrence D Rulfs Jr - Nacogdoches, TX
74370	AE2AA	Walter J Lange - Bayonne, NJ
74578	N6HF	Robert L Burdett, - Fullerton, CA
74738	K5NDB	David E Barber - Houston, TX
75324	W7LOU	Robert L Boswell - Dallas, OR
75696	LU2BPM	Fernando Perez Asinari - Buenos Aires, ARGENT
75738	K5WMW	Mel W Whitley - Burnet, TX
76715	KE7ZWP	Charles E 'Chuck' Jones - Ridgefield, WA

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

Ruth 73/88, N0KDB #48715

TEN Meter Beacons

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

I would appreciate a message from anyone with thoughts of activating a beacon. wj5o@amsat.org

73 Bill WJ5O

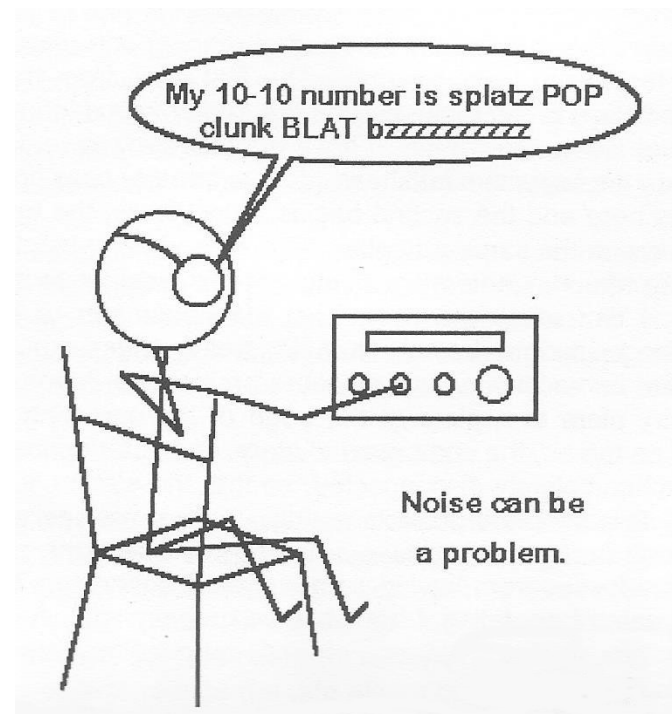
IARU Region 2 HF Beacon Coordinator

<http://www.qsl.net/wj5o/bcn.htm>

ANTENNA NOISE

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.

We often hear reference to "noise" in antenna work, but often we are not sure what kind of noise is being talked about. So let's talk about noise and antennas. "Noise" comes in a wide variety of styles, but here is one way to divide the group into usefully smaller chunks:



1. Man-made noise: This category includes the usual machinery sparking, faulty signs, auto engine sparking, etc. As you can see from thinking about the sources, it largely derives from spark generation and hence produces useless RF over a wide frequency range. Most human-made noise is vertically polarized and of ground wave propagation. Hence, ground-mounted verticals are most susceptible to this category of noise. A horizontal antenna generally shows an immediate significant noise reduction. Additionally, antenna elevation also helps reduce the noise level.

Finally, a narrow-band antenna also reduces the total amount of noise energy in this category from reaching the receiver. A parallel feedline-ATU arrangement sometimes shows improvement over the same antenna fed with coax by filtration action, i.e., narrowing the bandwidth of the energy allowed to reach the receiver.

One technique that has been the subject of recent articles is the use of a short vertical noise sensing antenna (long enough to pick up local noise but too short for effective reception of propagated signals), inverting its signal, and combining the result with the regular antenna signal. With proper adjustments, local human-made noise can be cancelled quite effectively, with only slight reductions in received signal strength. The benefit lies in the large improvement in signal-to-noise ratio, the truer mark of effective reception.

Except for very nearby sources, such as an arcing pole pig, Man-made noises create the most problems on the lower HF bands.

2. Atmospheric: There are two sources of “atmospheric” noise and energy coupling to antennas:

a. Sparks: Nature also generates wide-band sparks in the form of lightning. There are other atmospheric noise sources, but especially on the lower HF bands, QRN is largely propagated lightning signals. As with all spark energy, the energy decreases as the frequency increases, hence, the quieter high bands. There is little difference in the reception of propagated spark energy between vertical and horizontal energy, since the polarization is lost in the skip refraction. Narrow-banding the pre-receiver reception system can reduce the total energy from such signals that reaches the receiver front end.

b. Charges: the more that air molecules strike each other, the more they lose electrons and become charged. The thinner the atmosphere, as at high altitudes, the longer molecules can stay charged before recombining with lost electrons. It is from phenomena such as these that we get the static charge build-up on antennas. For most home antenna systems, charge build-up was no real problem with tube grids, but a real problem with solid-state front ends. The longer the antenna wire, the windier the location, and the drier the air, the more likely that static charge can build to damaging proportions. At the very least, static charge collection on an antenna is an additional noise source and problem.

For some antennas mounted very high, the energies involved could not be drained effectively before damage occurred to antenna elements. At the extreme, the development of the quad loop was to solve HCJB's end coupling problem with its Yagi: at high altitudes of Quito, Ecuador, the energy coupling was burning the ends off the antenna elements.

Loop antennas have no ends: hence, for a portion of the incoming energy, there is a reduction in the amount of energy coupled to the antenna from wire-end capacitance. Where the high voltage region is distributed across a wire length, whether vertical or horizontal, capacitive coupling is minimized. For this reason, some operators find quads and other loop antennas quieter than Yagis and dipoles.

Regardless of antenna type, static charge is simple to drain away. One technique is to have the antenna at DC ground. Some antenna designs are naturally at DC ground. Loops go from the coax center to coax braid, and if the braid is well grounded, the charge does not build up. Placing an RF choke across the antenna terminals or from the hot terminal to a ground line can continuously drain charge build-up. In some multi-band antenna systems, parallel feed lines can carelessly omit this protection, but a pair of RF chokes, one from each line to ground where the feedline enters the house, can protect equipment. However, remember that the impedance level at that point can be high, requiring a very high value of RF choke to ensure that significant signal energy does not go through the choke.

3. Mixing products: Two signals, neither of which is on the frequency to which we are tuned, can be mixed and produce a third signal (or a bunch of signals) that may fall on a frequency we want to use. The cure for mixing products begins by locating where the mixing occurs. If the mixing occurs in the receiver, then filtration of the unwanted frequency (or frequency range) is the best solution. If the mixing occurs externally to anything one's receiving and antenna system can control, then there is no cure immediately at hand. However, such problems often involve violations of technical standards by one or both of the signal generators involved as the sources of the mix, and patient bureaucratic pressure can sometimes alleviate the problem. If the mixing occurs within one's antenna system, then there is usually something wrong with the system—bad connections, unwanted couplings, less than optimal tuning set-ups: all of these are correctable and should be part of one's routine periodic maintenance on the antenna system.

These are not all the noise sources. Power company equipment problems, such as arcing pole pigs, require a simple procedure: locate the problem transformer, keep reporting the situation until you get action, and hope there is a ham on the technical staff that handles such complaints. RFI from light dimmers and other home products that use AC waveform chopping to control a voltage level has been noted in many articles and requires that we locate the source and cure it individually. Likewise with noise from computer timing circuits.

Finally, some folks are condemned to live in areas where noise is beyond control and even beyond the ability of the best noise blanker to handle. The solution, short of illegally de-powering these sources, is to save money and move to a quiet location—or to concentrate on portable operation. However, antenna choice, feed system choice, filtration, noise cancelers, and noise blankers can go a long way toward reducing currently unlivable noise to a mere constant irritation.

SOME MISCONCEPTIONS ABOUT SWR

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.

We have all read dozens of articles about SWR. So we all know that the Voltage Standing Wave Ratio is a complex function of the relationship between the feedpoint impedance of our antenna and the characteristic impedance of our transmission line. When the antenna feedpoint impedance is a pure resistance, the relationship is simple: SWR equals the larger of the two divided by the smaller of the two. If the antenna feedpoint exhibits reactance in addition to resistance, then the SWR is higher by a somewhat more complex calculation.

We also all know that generally, the better the match between the load, the transmission line, and the source (our transmitter outputs), the more power is consumed by the load. Hence, it is generally wise to strive for a well-matched antenna-feedline-transmitter system. So we place an SWR meter in the line at or near the transmitter and monitor the SWR at that point.

Despite all this knowledge, I still encounter some interesting misunderstandings about SWR. Of course, they come from outside the 10-10 ranks, so everyone can claim, "Well, I knew better than that." Even so, it may be useful to review a few of them.

1. My SWR is low, so my transmitter is safe. In olden days when tube-type rigs had adjustable output circuits, folks worried about burning out tubes and other components "because" of SWR. Actually, the combination of resistance and reactance seen by the transmitter output circuit would sometimes permit only a small RF transferal. What is not RF in a final is heat, and that excess conversion of DC power to heat is what destroyed tubes and stuff around the tubes.

Today's transistor rigs have feedback circuits that sample the reverse voltage at the output and automatically reduce drive to the finals in the event of a high SWR output load. However, SWR is NOT the only thing that can hurt a rig. Overdrive, with or without SSB compression, is a source of major stresses on a rig's circuitry. However, the chief rig killer seems to be voltage surges coming from the antenna, the power line, or the ground. And that is a matter of safety that calls for measures outside the rig – like disconnecting the antenna, power cord, and system ground to totally isolate the rig when not in use.

2. "My antenna system is fine, because the SWR is better today than when I put it up three years ago." The fact of a lower SWR over time is often true. However, the conclusion drawn is false. If the SWR is lower than it used to be, the chief reason is an increase in losses in the system. Losses represent that portion of energy converted to heat along the line and at the antenna terminals, energy that is no longer available as energy to radiate. As systems age, cables become "lossier," terminals become corroded, and a variety of other things contribute to the problem.

Yes, a lowering of SWR can indicate problems, not improvements. It is not impossible, but it is exceedingly rare for an antenna system to change its feedpoint impedance to match the transmission line. It is so rare that the lowering of SWR with time should always be taken as a sign that it is time for antenna system maintenance. Clean, deoxidize, tighten, and seal, as appropriate. If things do not improve, replace the outdoor coax with new stock (but save the old stuff for noncritical uses if it has any life left in it).

3. "My antenna is operating very well because my SWR is a perfect 1:1 match." Unfortunately, my dummy load gives nearly perfect 1:1 match, and I cannot hear anyone when it is in the line. SWR is one measure of impedance match, but it is not an indicator of the quality of antenna performance as an antenna. Antennas convert radio frequency energy – a form of AC voltage and current – into electro-magnetic radiation (and also the reverse for reception); and they also manage to focus that radiation in various patterns. How well an antenna does this job is only indirectly connected with the impedance match to the transmission line carrying the energy to be converted and directed.

The practical consequences of this fact are pretty basic. First, before committing to an antenna, try to determine what kind of operating you want to do and select an antenna that will enhance that operation – within limits of what you can handle in terms of finances, maintenance, and home site restrictions. Second, maintain your antenna regularly – even more regularly than most folks change automobile oil. Preventative maintenance will keep your antenna operating to its maximum ability. Third, if you build your own antenna for a long-term installation, use sensible quality materials. Stainless steel hardware is a must. Tubing and wire made for antennas or equally strong and conductive are necessary. Applying No-Ox or similar antioxidation conduction materials at connections of dissimilar metals is always a good idea.

4. "My antenna has a feedpoint impedance of 100 ohms. Surely 50-ohm coax will give me lower losses than the more highly mismatched 450-ohm parallel feedline." This misconception stems from the belief that SWR is a direct measure of the ability of an antenna to "absorb" energy and convert it into radiation. SWR is only part of the story.

Every transmission line displays two kinds of losses: first is a basic loss based on two significant factors: the ability of the wires to handle RF currents and the leakage between wires through the insulation. Because any coax we can afford compromises cost vs. effectiveness, all common coaxial cables have a higher basic loss per 100 feet than parallel feedline, whether 300-ohm or 450 ohm. In fact, for the HF bands, most parallel feedline has a minuscule loss compared to coax.

The second loss source is a result of SWR – or rather the mismatch that SWR indicates. Since peak voltages climb, leakage increases. Since peak currents climb, heat conversion losses are higher. In effect, SWR puts a multiplier on the transmission line's basic loss. Since coax begins with significant basic

losses, additional losses due to SWR are that much more significant. Parallel transmission lines begin with almost insignificant losses, and the same or higher multipliers usually mean that losses are still insignificant. Under some common conditions, a parallel transmission line with a 10:1 SWR may have lower power losses than a coax with a 3:1 SWR. Parallel transmission line is almost always the best bet for multiband wire antennas that require an antenna tuner.

But remember that even a 3:1 SWR on the lower bands, like 80 meters, coax losses will still be too low to worry about. If your 75 meter dipole shows an SWR at the low end of 80 within the limits of your rig's built-in antenna tuner to handle and you would like to work a little CW, go for it.

5. "My meter shows the reflected power to be 25 watts. I'm worried about losing that power at the antenna and what it must be doing to my rig."

Most folks who see these kinds of readings have never looked seriously at their forward power under the same conditions. Suppose you set your rig to exactly 100 watts output. Your reflect power reads 25 watts on a decent meter. Your forward power will read at least 125 watts – perhaps a couple of watts more to account for the cable losses just described (and your rig will be putting out about 102 watts). The difference is 100 watts. Where is it – and where did the extra forward power come from?

The reflected power simply returns to the forward direction and adds to the rig's power along the line. No need to worry about the rig, since it is not affected by the reflected power except as the reverse voltage may activate may activate a power reduction circuit). The antenna is receiving and converting 100 watts of power (less only the very small amount changed to heat due to cable losses). A receiving station cannot tell the difference in signal strength between an exactly matched dipole and one running a 10:1 SWR to a parallel feedline and ATU system. The received signal strengths will be the same, assuming the antennas occupied the same transmitting positions with the same propagation conditions. Both antennas converted just about 100 watts of RF energy into radiation. It may take about a dozen cycles for the high SWR system to build to full power and an equal number to return to zero, but when you have millions of cycles per second to use, those few make no difference to the signal intelligence.

I hope these notes help all those "other" folks approach SWR and antennas a little more intelligently. World Radio's Kurt N Sterba occasionally runs into SWR misconceptions, and I assure you that his treatment is far more entertaining than mine – except to the sources of those misconceptions, who are technical writers who ought to know better. He is a good incentive for writers to keep things right and sensible. The best extended treatment of SWR and for SWR misconceptions is still Walt Maxwell's book, *Reflections*. Unfortunately, it appears to be out of print, although a new edition will appear soon. Mine is too dog-eared to be borrowed. Anything right in these notes belongs to Walt. Anything wrong is likely to be noted by Kurt.

Editor's Note: Although *Reflections* is hard to get now; you can read Walter Maxwell's series of QST articles on SWR from www.arrl.org. Go to the QST archive and type in "Another look at Reflections" in the title field of the search page. These seven articles were the basis for his book.

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.



ELECTION TIME LINE

- ☑ Call for Nominations will be printed in the January and April 2016 editions of the 10-10 NEWS.
- ☑ 1 May 2016 - Candidates must have names and bios to Nominating Committee.
- ☑ 1 June 2016 - Nominating Committee will develop slate of candidates and notify members who applied but were not selected.
- ☑ 15 June 2016 - Deadline for Petitions for Candidacy to Secretary.
- ☑ Ballots and all Candidates' bios to be printed in July 2016 edition of the 10-10 NEWS.
- ☐ 1 October 2016 - "**In Hand**" Deadline for return of Ballots.
- ☐ 1 November 2016 - Election results posted on 10-10 Web Site.
- ☐ 1 January 2017 - Newly elected officers take office.
- ☐ Election results posted in January 2017 edition of the 10-10 NEWS.

Ten Ten International Net, Inc.
Official Ballot for the election of Officers and Directors

Ballot Instructions

Vote for three (3) Directors. The offices of President, Vice President, and Secretary are unopposed. Incorrectly marked ballots will void your vote. You may cut this ballot out or photocopy it to be completed and mailed. Place **ONE** ballot only in an envelope and write your name, call, and Ten Ten number in the upper left-hand corner of the envelope.

Envelopes not displaying this information will not be counted.

If you would rather vote electronically instead of by mail, follow the Electronic Voting Instructions on page 25. You must be a registered member.

MAIL TO:

Jeff Steinkamp N7YG #65084
OFFICIAL BALLOT
6755 E. Rosewood Cir.
Tucson, AZ 86701

Mail your ballot as soon as possible. Ballots received after October 1, 2016 will not be counted.

MARK YOUR BALLOT CAREFULLY!!!

CANDIDATES FOR DIRECTORS

VOTE FOR THREE (3) ONLY

- ☐ Gregory Malone, WA3GM, #46927
- ☐ Paul Hemby, WN4AMO, #73825
- ☐ Bob Farrow, N6OPR, #45715
- ☐ Jim Stoeber, WI9X, #49635

Terry Webb, NØTW, #36547 – PRESIDENT (UNOPPOSED)

My involvement with 10-10 began in 1984 and I must confess that 10 meters is my favorite band. My wife is Marilyn, WM2W, whom many of you may recognize since she is also a Net Control Station. We have 4 children and 6 grandkids. I am a retired Electrical Engineer and served with the Naval Security Group during Vietnam.

I am currently a Director, QSL Bureau Manager, Net Control, Senior Life Member and have been a member for 31 years. I participate in many 10-10 QSO Parties and have operated from four DX locations

during these events. I also enjoy collecting 10-10 awards and participating in Chapter Nets.

As 10-10 Director, I've served as QSO Party Committee Chairman and Chair of the 2014 and 2016 Nomination Committees. It's been a pleasure to represent 10-10 at many hamfests.

Many hams that I talk with are unaware of 10-10. My goal is to increase our awareness to other hams and to increase membership.

Thanks for your support.

Josh Long, W9HT, #72151 – Vice President (UNOPPOSED)

I joined 10-10 International as #72151 in 2000 and was a recipient of the 10-10 Scholarship for several years. I currently work as a university professor and am actively involved with re-energizing the student ham radio club at Indiana Tech (Fort Wayne, IN). I also serve on the 10-10 Scholarship Committee.

Over the past two solar cycles, I have enjoyed working on the HF bands (including on ten meters when the band is open). In terms of operating activities, I am pursuing DXCC Honor Roll and DXCC on the 10m band and am also working on improving my CW skills.

If chosen to serve in a leadership role within 10-10, I hope to encourage growth in membership numbers, especially among newly licensed operators, and to continue to support the development of the 10-10 Scholarship Fund for future operators and scholarship applicants.

73, Josh W9HT

Kevin Gilot, NZ1I #72759 – Secretary (UNOPPOSED)

I am seeking the position of Secretary with 10-10 International. I have been a member for over 14 years and a Life Member for much of that time. I obtained my Novice Class License in 1983. I then upgraded to then Technician -Plus Class and have been an advocate for the 10-meter band since. I have followed the natural progression of license upgrading and now hold an Amateur Extra Class License. I was spurred on by the quality folks I met while operating on the 10-meter band via many different modes. Most are very willing to help and give of themselves for the benefit of the hobby. I have tried my best emulate

them and help expand interest on the 10-meter band by working as the 10-10 Forum Modes Moderator, Awards Committee Member, Publications Committee Member, Operator of W6OI Special Event Station, and current Worked All Continents Awards Manager. As the Secretary I will work to uphold the By-Laws of 10-10 International, continue to promote the growth of the 10-meter band and 10-10 International both on the air and in person.

Gregory Malone, WA3GM, #46927 – Director

I am seeking the position of director for the 10-10 International Net.

I have been a member of 10-10 since 1987 almost 30 years ever since I was licensed. Ten Ten is and always has been a great organization with friendly people who always made one feel welcome especially new comers as they did to me when I first became a ham.

I am a member of many chapters and use to do a lot of Paper Chasing with 10-10 back in the day and made many great acquaintances. I participate in all 10-10

Contests no matter what the mode and enjoy the fun of contesting. I continually promote the use of 10 meters and the 10-10 organization in most of my qsos in whatever mode I am operating.

I am 62 years of age. I spent 12 years in the PA Army National Guard attaining the rank of SFC and that of acting First Sargent before my retirement. My early career was spent as a Disc Jockey/Newsman back in the early 1970's. I then entered the call for Uncle Sam at Ft. Dix, NJ. After the service I spent the next 40 years as a Police Sgt where I served in various departments and units to include Highway Safety, S.W.A.T., Patrol, Detectives and finally retired 4 years ago as the Departments Administrative Staff Sergeant.

If elected as a director I will ensure to uphold the By-Laws of 10-10 International and strive to attain new members as I currently do now.

Thank you for your time and your vote of confidence in me.

73, Greg WA3GM # 46927

Paul Hemby, WN4AMO, #73825 – Director



I am Paul, WN4AMO, an incumbent director running for reelection to the Board of Directors. My present job as a director is to handle our advertising, such as in QST, and promotion of 1010 International, in addition I serve on the QSO Party Committee. Part of my duties is to promote 1010 on a local level as well as at various Hamfest, such as Orlando, Dayton, and any others that I am able to attend. I try to listen to the issues which the general membership consider important and present that view to the other Board members. I am a very avid 1010 DX chaser as well

as a digital operator. I am continually looking for ways to insure that 1010 International is seen as a positive force in the radio community and look for ways to see that our operating cost are kept to a minimum. I would appreciate your continuing support.

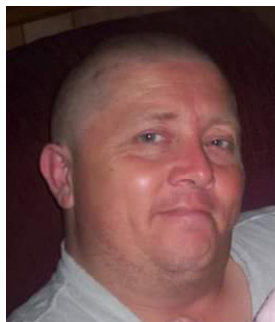
Bob Farrow, N6OPR, #45715 – Director



I am Robert, (Bob), Farrow, N6OPR, #45715. I am an incumbent Director running for reelection to the 10-10 Board of Directors. I have been a ham since 1986 and received my 10-10 number in 1987. I am a Senior Life member. I am an active member of 10-10, calling the net on Thursday on 28.380 MHz since 1991. Besides being the net control, I am also the Director of Net Management. I regularly check into the other 10-10 daily nets. I also run the MLB chapter, as Chapter Head and Certificate Manager calling this net on Sundays. I have attended the last eight bi-annual conventions and several Hill Country Picnics.

I can be found operating SSB, PSK31, RTTY, and CW. I participate in most of the 10-10 QSO Parties with my favorite being the 10-10 Sprint. I joined the Board in 2006. As Director I am responsible for the running of the 10-10 Nets. My main responsibility is to ensure that proper net procedures are followed, important 10-10 events are announced during the nets and that all nets are called as scheduled. I have represented 10-10 at various clubs, hamfests and conventions. I would appreciate your support.

Jim Stoeber, WI9X, #49635 – Director



I am a 46 year old lifelong resident of southwestern Illinois, and I currently reside in Caseyville, IL- about 8 or 9 miles due east of the Arch in St. Louis. I passed my novice in July, 1986 at the ripe old age of 16, receiving the ticket about a month later. This was, of course, before the advent of the Internet, so we actually had to wait for the ticket to come in the mail before we could get on the air.

In those early days, I hated CW. I wanted nothing more than to pass my Technician ticket so I could run 2 meters and get away from the mess on 27 mhz.

That wasn't how it worked out, however; all I could afford was a cheap hamfest special- a cheap HW-101, and I had a cheap CB antenna that my dad had put up for me. A love for 10 meters and CW would begin.

I have been a member of 10-10 since 1988, FISTS since 1991, and SKCC since 2007. It is my goal to help 10-10 grow by encouraging use of CW on 10 meters. This is one criticism that I have of 10-10; I acknowledge that 10-10 has the CW parties, but it seems at times the SSB activities take precedence. I would love to see more activity on the bottom 200 khz of the band outside of the testers (Field Day, 10 meter contest, etc.). My desire is also to foster a good relationship between 10-10, FISTS and SKCC.

Electronic Voting Instructions

To vote on-line:

1. Go to <http://www.ten-ten.org> and login using your credentials. If you are a paid up member, you will see a menu item on the far right labeled Members.

2. Click on the "Members" button.

Warning: Once you start the ballot process (next step) you cannot stop and return. You must complete voting in one login session.

3. Click on "Election" in the drop-down menu that appears under Members.

4. Make your Director selections and be sure your ballot is correct before clicking on the Submit button. Once you submit the ballot, you cannot change your vote.

4. Click the Submit button to register your vote. Your vote is automatically tallied and your name is recorded in the Voted Queue. You will not be able to vote again.

If you choose not to use the electronic ballot process, there is a mail-in ballot with instructions printed on page 19 of this Newsletter. If you mail in a ballot and also vote online, both votes will be null and void.

TEN-TEN AWARDS

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

TOP TEN HONOR ROLL

No.	CONTACTS	CALL	10-10#
1.	24600	WA5JDU	3017
2.	11700	K0PV	9902
2.	11700	N5XZ	4530
4.	11200	DL8YBM	36109
5.	10500	N1API	25468
6.	10000	K6PZE	1341
7.	9800	N5DAS	35877
8.	8800	AC6FU	10937
9.	8200	K5FBS	48461
10.	8100	WB3FGU	16728

TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	10100	WD0SFT	37933
2.	4400	K6MQ	K6MQ
3.	3000	DL0X	DL0X
4.	2100	W8PGW	W8PGW
5.	1800	W1NRG	W1NRG
6.	1200	NM5MD	NM5MD
7.	1100	W4MNM	W4MNM

1000+ MILESTONE BARS

6000 BAR

NO.	CALL	10-10#
69	LU1BJW	39329

DIGITAL AWARDS

Basic CONTACTS

NO.	CALL	10-10#
125	LU1BJW	39329

50 CONTACTS

NO.	CALL	10-10#
71	LU1BJW	39329

75 CONTACTS

NO.	CALL	10-10#
55	LU1BJW	39329

100 CONTACTS

NO.	CALL	10-10#
47	LU1BJW	39329

MOBILE

75 CONTACTS

NO.	CALL	10-10#
54	DK7LA	66048

WPX AWARD

700 BAR

NO.	CALL	10-10#
15	LU1BJW	39329

800 BAR

NO.	CALL	10-10#
14	LU1BJW	39329

AWARDS MANAGERS

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
Bar 1000+ . . .	Marilyn Webb, WM2W, #76400	1103 Fulford Rd. Monticello, FL 32344-4352	(614) 216-5334	wm2w10@yahoo.com
VP Bar	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP WAS.	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
VP Lucky 13 ..	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	dbmorris315@gmail.com
WAC	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	kevinemt1d@tvconnect.net
Counties	Brad Kimble, K0DBK #55192	3855 66th St. E., Inver Grove Hts, MN 55076-2222	(651) 450-1173	kzerodbk@gmail.com
Countries	Mike Davidson, N5MT #24949	3518 Bellefontaine St. Houston, TX 77025-1310	(713) 668-8408	N5MT@aol.com
CW.	Lee Zalaznik, KI6OY #50948	334 Olivina Ave., Livermore, CA 94551-6137	(925) 455-0361	lee.zalaznik@sbcglobal.net
Digital.	Mel Sojka, KD5DE #33513	353 Atlantic Ave., Shreveport, LA 71105-2909	(318) 861-7012	kd5de@nwla.com
Mobile	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	rabisch@hotmail.com
OM/XYL.	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	buckml@lobo.net
WAS	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	wb0con@comcast.net
WPX	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	elbble@gmail.com
GB Counties ..	Mike Crawshaw, G4BLH #18446	50 Kibble Grove, Brierfield Nelson Lancs, England BB9 5EW	01144 1282 613754	g4blh@zen.co.uk
Scouts	Rex Landreth, KD6FEC #77131	30 Alida Road, Braintree, MA 02184	No Phone	kd6fec@gmail.com

ANTENNAS AND LOW SUN SPOT COUNTS

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.

As much as we hate to admit it, 10 meter conditions have been rotten. Instead of sunrise to sunset contacts across the ponds east to west, we hear only some weak north-south dx and a few weaker U.S. stations (from the U.S. perspective, of course). Occasionally during the day, the band will open a little for east-west skip. So, what kind of antenna is best for these conditions?

The answer depends on another big question: what kind of operating do you want to do? Let's look at three main answers: a. I want to work my local chapter and friends. b. I want to work those super weak signals. c. I'll take whatever I can get whenever I can get it. Each answer suggests some different antennas.

Local: Local chapters of 10-10 and other area communications are still wide open on 10 meters. That is because they are primarily point-to-point. Note: we habitually call local communications on 10-meters "ground-wave" contacts. However, we have to be close to the ground and "point-to-point" radiation between elevated antennas. Surface wave peter out on 10 very quickly. Just as on VHF, our elevated antennas look directly at each other: that is point-to-point. Figure 1 illustrates the difference between surface waves and point-to-point "waves."

Since most hams who use SSB and who strive for DX contacts have horizontal antennas, a vertical can be a disadvantage unless everyone is very close to each other. Cross-polarization of point-to-point signals can result in very serious reductions in signal strength. However, in some areas, mobile FM and other

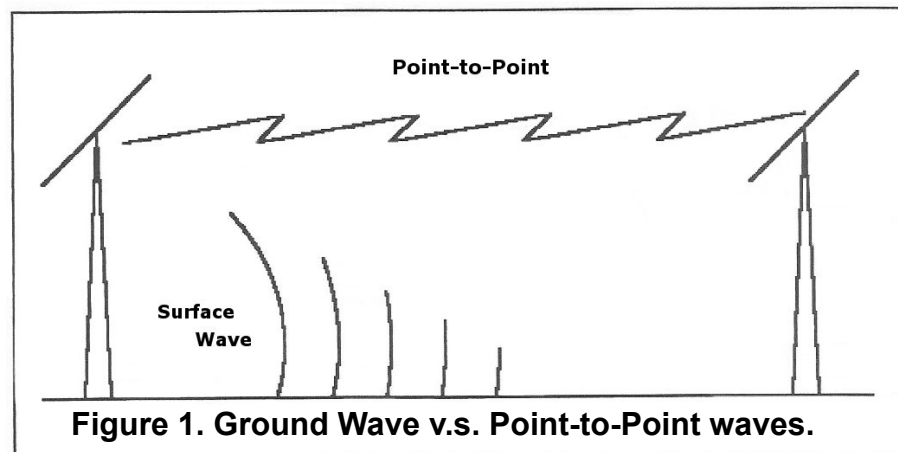


Figure 1. Ground Wave v.s. Point-to-Point waves.

types of 10-meter work results in a predominance of vertical antennas in the local area. In such cases, it pays to set up a vertical, even if you use it only for local nets and chats.

The basic local horizontal antenna is still the dipole. If possible, make it rotatable, even if by hand, and as high as you can get it. Aluminum rod or tubing about 16' long, fed with coax at the center on a single mast works quite well.

If you live on the fringe of your local group, consider a simple 2-element beam, either fixed to point at the group or rotatable. The commercial HF5B is a typical compact multi-band design with a wide forward lobe (to catch everybody in

the group) and modest front-to-back ratio. Since there is little trouble from QRM, the modest F-B ratio actually lets you hear someone off the back of the beam better than a station with a large beam designed to suppress virtually everything off the backside.

You can build a 2-element Yagi from supply store parts. If you are into building antennas, you might want to consider other designs for the fun of it. The Moxon rectangle, a wire beam, has about the broadest forward lobe and excellent rear suppression, but a little less gain. The X-beam is a bit tricky to set up, but is quite compact (a square under 10' on a side). Linear loaded Yagis can cut the element length from 16 to 12 feet. And the ZL-special can be built from 300-ohm parallel line (TV ribbon) on a light frame or suspended at its ends and fed with coax. You can look at any of the antenna books to gather some basic ideas.

Weak Signal Work: Much of the weak signal work done on 10 during sun spot lows is via backscatter, that is, by bouncing signals off the edge of the ionized layer, as weak as it is. See Figure 2. That same layer, weakly hovering over the tropics, is responsible for the north-south skip that appears while the east-west path is too weak to support communications. So many 10-10ers point their beams south (or, if in the southern hemisphere, north) and listen carefully.

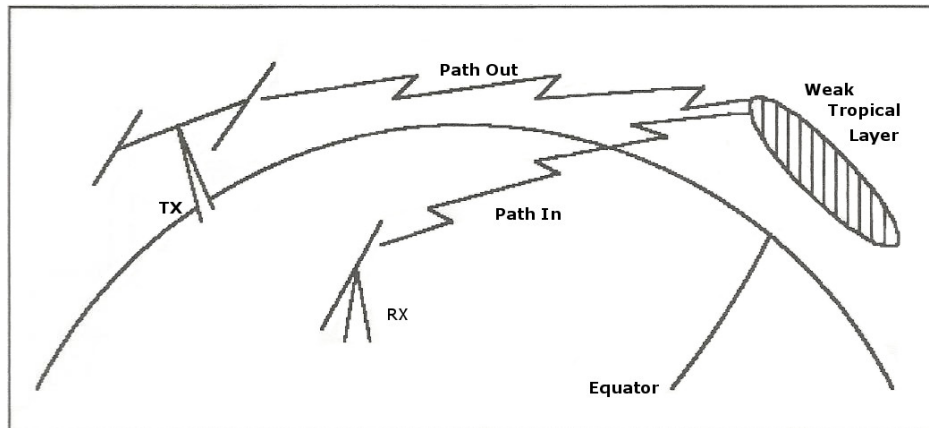


Figure 2. Weak-Signal Backscatter

For the best results on backscatter and very weak skip, an antenna with the maximum forward gain is best. Again, the front-to-back ratio is unimportant, since there is no QRM. (However, few hams want the antenna just for sun spot lows, so they do pay attention to front-to-back ratio.) A long Yagi is perhaps best among the aluminum antennas. If designs are optimized, the gain depends on the boom length, so the longer the better (if you can support it).

Some wire antennas are capable of excellent gain, even if bidirectional. The extended double Zepp is over twice as long as a dipole, but narrows the

beam width and has gain over the dipole. Dipoles (that is, antennas fed in the center) of a full wavelength can be set about a quarter wavelength apart and fed 180 degrees out of phase for additional gain. So too can EDZ dipoles (1.25 wavelengths long). These antennas usually (but not always) require parallel feeders and an antenna tuner. But the materials are cheap. Run the wires east to west for north and south lobes. For sun spot low backscatter and transequatorail skip, a fixed wire beam is not a bad choice.

Anything I Can Get: For general operation, use what you have and be patient. First, learn the band's habits. When do the openings occur? In what direction? How long do they last? Then plan your operating accordingly. Second, be sure your receiver is quiet so you can hear what there is. Early synthesized rigs are noisier internally than the preceding generation of crystal-mixing rigs. Direct-digital synthesis in today's rigs still leaves some noise on 10. That's why Ten-Tec offers both synthesized and crystal-mixing rigs and why some hams hang onto their Drakes, TS-520s, and so on. The antenna is part of a system, not a solution to everything.

Third, plan your antenna for long term use, not just for the present lull in apparent activity. If you have room for antennas and like to build, have fun with experimental designs. But also plan the main system for the day when the sun spots return. (And, although we 10-10ers hate to admit it, that planning may involve operation on other bands, too.)

Finally, use your antenna! Very often a band is only as dead as the operators sitting around complaining about it. Listen to 10 on contest weekends to discover its true potential. Contesters (inadvertently) QRM each other on a supposedly dead band. Vertical or horizontal, your antenna will do you no good if everyone thinks the band is dead without checking. Find net frequencies, especially the daily 10-10 nets, and listen. If you cannot hear the NCS, request a relay check-in to find out if anyone is in the right place to hear you. Try some "CQs" near frequencies that used to be active. Make your presence known. Of course, within the boundaries of good operating practice. 10 meters is almost always more open than you think.



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. For 2016 we will be supporting five \$2000 scholarships. At the Scholarship Foundation meeting in June, the Foundation Board voted to guarantee the funding for five \$2000 scholarships to be awarded in 2017. 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 received a donation from the Suwannee Amateur Radio Club in Live Oak, FL. 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 have an employer matching program, please let us know.

If you make a donation of \$15 or more you will receive the current year pin. For a donation of \$25 or more we will also send you one of the older 10-10 pins. If you do not want a pin and want the maximum amount of your donation to go to the students, please let me know (my info is on page 2). To pay by credit card see payment information on Page 31 or send your check to me or the Data Manager. Our addresses can be found on Page 30.

The members listed below became 10-10 Scholarship Foundation Supporters during the months of March, April and May, and we appreciate their support.

Platinum (\$1000 or more)

None

Gold (\$500 to \$999)

None

Silver (\$100 to \$499)

W7KD	Robert Shauger	06454
AJ7B	Randy Mather	07675
N0TW	Terry Webb	36547
N3FP	John Peters	47239
WB0CON	Eva Donaldson	53964
KB0KVA	Carl Nielsen	63844
WB6OJB	Dr. Arnold Kalan	70675
KD5HIP	John Zumbro	71476
AA2MA	Mark Morgida	73000
N6SKM	Steven McGrogan	77095

Bronze (Up to \$99)

W6QQ	Wesley Weathers	04810
KE9UA	Dennis Mills	16966
WM4R	William Rowlett	26722
JH1CML	Tetsou Kitou	50451
KD4AMP	Jon Beaver	59739
KD4BTU	Patsy Beaver	59754
DK7LA	Wolfgang Dethlefs	66048
KX5B	Bobby Brooks	67034
K7OAH	Skip Moretti	71628
W6HST	Wilbert Harris	71857
W9HT	Joshua Long	72151
N4SVC	Suwannee ARC	75836
WI2R	L. Frank Heffner	77338
KF5YUB	Michael Pansini	77452

10-10 SCHOLARSHIP APPLICANT INFORMATION

Each year the 10-10 International Net, through our nonprofit corporation, the 10-10 Scholarship Foundation, funds five \$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. The four most recent winners were featured in the Fall issue of the 10-10 News and on the 10-10 website. Over the past 28 years, 10-10 has funded 103 scholarships valued at \$117,000.

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. Completed applications must be received by FAR prior to April 15th of each year. Download an application from FAR's website: <http://www.farweb.org> or request an application from:

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

Meet The Volunteers

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 2016

AD4RX.....	Director	KQ4PK.....	Net Control
AJ7B.....	Newsletter Editor	KR7RK.....	Treasurer
G4BLH.....	Awards - GB	KZ3T.....	QSO Party Manager
K0DBK.....	Awards - Counties	N0KDB.....	SK Manager
K1IEQ.....	Committee Member	N0TW.....	Director
K4QHH.....	Award Manager-Mobile & VP	N5MT.....	Awards - DX
K5BKT.....	Committee Member	N6ELK.....	Net Control
K5CC.....	Committee Member	N6OPR.....	Director
K5ERJ.....	Committee Member	N7YG.....	Director
K6DNR.....	Net Control	N9AC.....	W6OI Trustee
K6RDK.....	Data/ Membership Manager	N9AVY.....	Previous Secretary
K7PRZ.....	Committee Member	NP2MR.....	Committee Member
KA0ZPP.....	Director	NZ1I.....	Secretary, Awards WAC
KA5OVO*.....	Historian (Open)	VA7SJ.....	Committee Member
KA5VVD.....	Committee Member	VE3MEW.....	Committee Member
KC1BTA.....	Scout Award Managerv	W4MAA.....	Committee Member
KC8IM.....	Net Control	W5DJT.....	Committee Member
KD4BVG.....	Committee Member	W9HT.....	Committee Member
KD5DE.....	President	WA2SUH.....	Vice President
KD6FEC.....	Scout Certificage Manger	WA6POZ.....	Past President
KE1HG.....	Committee Member	WB0CON.....	Awards - WAS
KE6OIO.....	Net Control	WB6OJB.....	Net Control
KI6OY.....	Awards-CW	WB9WZI.....	Net Control
KM5EH.....	Director	WM2W.....	Awards – 1000+ Bars
KM5FF.....	Awards-WPX	WN4AMO.....	Director

* Silent Key

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 off 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, Money Order or IRC's (\$1USD per IRC). 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 five \$2000 10-10 Scholarships that will be awarded next year. For donations of \$15 you will receive a current year's lapel pin as a thank you gift, and for \$25 or more a second pin from a previous year will be sent. To pay by credit card, see the payment information on page 31. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

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

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

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

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

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

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

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

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

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

5.2.3 FREQUENCY AND MODES

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

5.2.4 ENTRY CLASSIFICATION

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

INDIVIDUAL: 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.

QRP: same as an individual as listed above except that output power does not exceed 5 watts with CW/Digital operations and/or 10 watts with Phone operations during the entire event.

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

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

5.2.5 TRANSMITTER INFORMATION

An operator may operate mobile, portable or fixed. If they change their exchange QTH during the QSO Party, the operator must show same in their log. The operator may enter a log from one call district, province, or DX country. Multi-transmitters (two or more transmitters operating simultaneously, sharing one call sign) are NOT permitted in any QSO Party. If a single transmitter becomes inoperable, it is permissible to change to a replacement transmitter.

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 and whose operating location is within 150 miles of the primary net location of that charter, may assign the entrant's score to that chapter.

QSO Party scores for the Sprint may not be assigned.

5.2.9 QSO PARTY ENTRIES

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR Mail to insure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a check log. Any logs received more than 15 days after the entry deadline, regardless of postmark, will be discarded. All logs may be sent via Email. Logs (if cabrillo, adif, or text) may also be uploaded at www.hamclubs.info/scorer/. Please no .Q95 files.

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 15 calendar days (this will always be a Monday) after the close of the event. Mailed entries for the Sprint (held on 10/10) shall be postmarked no later than October 25th, unless that day falls on a Sunday, then the postmark deadline shall be October 26th.

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, CLUB, MOBILE and CHAPTER. Electronic certificates will be sent to the 2nd and 3rd place scorers in these categories.

5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

These events run from January 1 0001 UTC to December 31 2359 UTC. In the Anniversary event, entrants may submit a log of contacts with members that have the anniversary year contained in their membership number. Example: 2010 is the 48th anniversary year of 10-10 International Net, Inc. Contact with members containing a "48" in their membership number (i.e., 72048, 69485, 64854, 48126, 00487) would count toward the event. Each year the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band. All general rules are applicable with the following exceptions: During the calendar year (January 1 through December 31) make legal 10-10 contacts with 10-10 Number, Date, Call Sign, QTH with members containing the anniversary year in their membership number as described above. In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is permitted, regardless of mode of contact. In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.). All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call, Name, QTH

and Mode, in that order. These events are for Individual entries as described in section 5.2.4 and certificates will be awarded for the TOP Ten, however all entrants will be listed in the 10-10 NEWS. Logs MUST be postmarked no later than January 15th of the year following both the Anniversary and Meet the Volunteers events. Only members in good standing (with dues paid) are allowed to submit logs.

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

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

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

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

5.2.13 10-10 SPRINT (October 10) QSO PARTY

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

5.2.14 W6OI/VE9TEN/DL0X SPECIAL EVENT

This event is held during the 3rd weekend of November each year from 0001 UTC Saturday through 2359 UTC Sunday. 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 party event - name, call, QTH, 10-10 number if one is available. As contacts are made, provide info on 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.

2016 10-10 QSO PARTY COVER SHEET

Event	Dates	Postmark	Event	Dates	Postmark
Winter Phone	Feb. 6-7	Feb. 22	Summer Phone	Aug. 6-7	Aug. 22
Spring Digital	April 23-24	May 9	Sprint	Oct. 10	Oct. 25
Spring CW	May 7-8	May 23	Fall CW	Oct. 15-16	Oct. 31
Open Season	June 4-5	June 20	Fall Digital	Nov. 12-13	Nov 28
Spirit of 76	July 4-10	July 25	Anniversary (54)	Jan. 1 - Dec 31	Jan. 15
			Meet the Volunteers	Jan. 1 - Dec. 31	Jan. 15

Name _____ Call _____ 10-10# _____

Address _____

City _____ State/Province/Country _____ Zip _____

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

PLEASE LIST CONTEST EXCHANGE

Call _____ Name _____ 10-10# _____ QTH _____

ENTRY TYPE

- ☐ **INDIVIDUAL**
- ☐ **QRP** 10 watts or less Phone,
5 watts or less CW/ Digital
- ☐ **MOBILE** See QSO Party rules.
- ☐ **CLUB** Only for those operating
as a Club Station. If Operating under
a Club call, please list all operators and
their 10-10 numbers (if any) on the log.

**US Call Area (W0-W9)
Or ARRL DX Country
You operated from**

Chapter Assignment
(Not valid for Sprint)

Claimed Score

Contacts WITH
10-10 Number: _____ x2= _____

Contacts WITHOUT
10-10 Number: _____ x1= _____

Total
Contacts: _____ Total Pts _____

All submissions must contain this cover sheet (or a reasonable facsimile), the log in UTC Date/Time order,
And a Dupe Sheet (if more than 50 contacts) in call sign order or in grid format.

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

Logs may be emailed to tentencontest@ten-ten.org. Members are encouraged to upload logs at the KJ4IZW con-
test scoring web site: www.hamclubs.info/scorer.