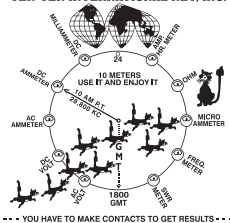


TEN-TEN INTERNATIONAL NET, INC.



# TEN-TEN INTERNATIONAL **NEWS**

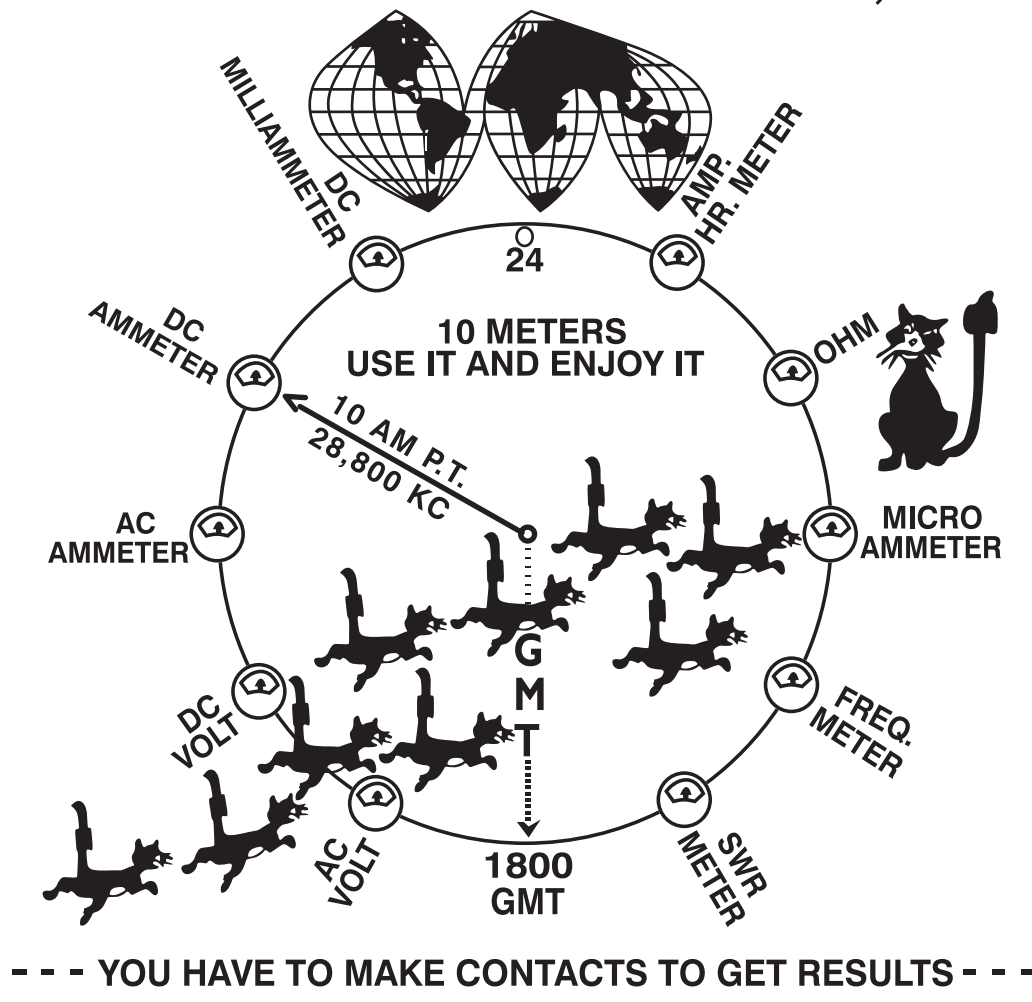


Member  
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Volume 57 Issue 3

July 2019 (Summer)

## TEN-TEN INTERNATIONAL NET, INC.



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Monitoring 28.380 and 28.800 MHz daily at 1800Z except Sunday

## The Ten-Ten International News

Is published four times annually by the TEN-TEN INTERNATIONAL NET, INC. Publication dates are approximately mid January, April, July and October.

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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 2019**

**PLEASE MAIL ALL ARTICLES AND PHOTOS TO:**

**EDITOR Ten-Ten News**

**E-mail: [editor@ten-ten.org](mailto:editor@ten-ten.org)**

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

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

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

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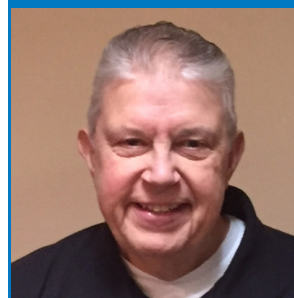
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# From the Editor

Randy Mather, AJ7B  
 (#7675)

It's that time of year when there doesn't seem to be enough minutes in a day to get everything done. Putting this newsletter together just weeks before Field Day keeps me hopping. As a member of my local radio club, I especially enjoy the field events the club participates in. So, in addition to filling these pages before the review deadline, I'm very involved in preparing for the club's participation in Field Day. This involves Field Day team meetings, scouting out the Field Day site, and checking equipment.

This year I expect that there will be much more interest in using the FT8 mode for Field Day. Thanks to the WSJT-X software group, a contest feature has been added that will make it much easier to add contest exchange information to an FT8 QSO. They made similar additions to accommodate North America and Europe VHF and ARRL RTTY Roundup contests.

The addition of the Field Day contest feature along with what is expected to be very poor propagation conditions, I would expect a bigger push toward using the digital modes. More specifically FT8 on the HF bands.

Over the last couple of weeks I have been working on installing WSJT-X and JTAlert software on our club's five laptop computers. We usually operate four stations under our normal call sign (WA7LAW) and a GOTA station under another call sign. That requires five laptops networked together into one log file to record all Field Day contacts. In addition to installing the software, it has been a challenge to get the new software to work with our logging software (N3FJP Field Day Log). Turns out we didn't have the latest logging software, so more time spent upgrading that program.

Not complaining mind you, although you would probably hear me mumble some unkind words about Microsoft from time to time. I do feel a sense of accomplishment when all is installed and working.

It appears that next year we will have another digital mode (FT4) that is even more accommodating to contest events. Faster, more versatile and applicable to more contest events. Maybe even more 10-10 Net friendly.

It's still possible to send 10-10 contact info in a FT8 QSO. Please look at the FT8 video on the 10-10 website to see how it's done. We may be updating it when FT4 is publicly released. Hope you had a great Field Day.

Randy - AJ7B #7675



## From the President

Mel Sojka KD5DE  
#33513

### UPPER LEVEL QRM

Well the Dayton Hamvention 2019 is a wrap. The crowds on Friday and Saturday were quite large, and Sunday about normal for the half day. We had 171 drop by and sign the register. Over two dozen members renewed their membership while one new qualified member was added to our rolls. This would not have been possible without the assistance of the booth volunteers. The official helpers were KR7RK Keith #63324 and KA6SPS Linda #69700. When things got hectic, we had some extra help from WA6POZ Gerry #21274 and Jason KR7JAS #75500.

The next event on the calendar will be the Texas Hamcom, followed by 3 or 4 large hamfests before the year is out. Due to solar conditions, we do plan to set up two stations at these events to assist in membership qualification. This means a little more luggage for me, but worth the effort when we gain members.

During the Hamvention, one long-time member made the comment that 10-10 is dying. As a retired self-employed business owner and military non-commissioned officer, I almost lashed back in anger. I will advise that person to never volunteer, since their heart is not in the effort. Of course, in one sense they are correct. But it has nothing to do with the sunspots. It is much more sublime than the obvious. It has become a problem with every membership-based organization and not just amateur radio related organizations. True, that as of this writing, we have issued over 77,000 membership numbers, but less than 45,000 are still around to be active. Medical science has reduced life expectancy once again in the US. In the early 70's they were forecasting it to be 81 by this time. But after it reached 78 things began to change. The most current report stated that 76 is now the average life expectancy in the US for males. Within 10-10 we have lost nearly 35% of our membership. The problem appears to be the death rate among the baby boomer generation. This generation was from 1946-1964 and included 85,358,000. Last check reflected that nearly 23% have passed and another passes every 18.8 seconds.

Now on the up side of the gloom and doom there is still hope, especially

within Amateur Radio. Generation X (1961-1981), and the Millennials (1981-1999) for some reason did little to boost the hobby. The current generation appears to be the generation of discovery. Interest in Morse Code is on the rise, weak signal modes are gaining a following, and the activation programs are attracting interest. SOTA, and park activation have become popular. We could be on the brink of exciting times that do not require a bunch of sunspots. Also there is still interest among the baby boomers as they retire.

Recently I have been promoting the return of local chapters to 10-10 and changes within current chapters. This year I meet several members that were involved with large local nets on ten in different areas of the country. Guidelines for affiliated chapters are quite simple and clear cut. A chapter requires that there be a minimum of 7 active (paid up) local members, a local chapter official to be responsible for reporting, and a weekly net. It is not required to have a certificate series. However, currently available graphic software makes an electronic certificate easy to create. An upgrade system is also not required, but it is suggested that you solicit membership from the non-local area. If you have a local 10-meter net, you might drop a note to KA0ZPP and consider forming a chapter.

If you have a local chapter that seems to be waning, you might consider a change. Our local chapter was organized in 1975 and has gone through many changes. For several years we held our weekly net on Saturday morning at 1430 / 1530 UTC as to allow the stations in Europe to participate. After the band went down so did this net, as locals had other activities on Saturday morning. Back around the first of the year we made a change. There is a local 2 meter net at 6:30 PM and like most, only lasts 15-20 minutes. We began announcing the 7 PM 10-meter net on the 2-meter net. This has been a very successful revision. 10-10 gained five new members almost immediately with five consecutive membership numbers. One of the stations that checked in was in Wisconsin and we had enough members on the net to qualify that station for membership. We are running around 15 locals every Thursday evening and are considering social activities. We do have at least three chapters that have a very successful and active net. Maybe it's time to make a change in time or day if your local net is not exactly great.

If you glance at the organization chart on the web, you might note it resembles a retirement home when you consider the age of many of those listed. On page 2 of this news there are only five listed that are not retired. We have several areas within 10-10 needing volunteers. We have been in need of legal counsel for several years, there are daily nets that need a net control station, and the publications committee needs volunteers skilled in literary composition. Contact me if you are interested in being a volunteer and let me know your desired area of service.

Every day it seems that new technology or a new contact mode appears.



Since our mission is to promote activity on 10 meters, these changes must be recognized and accommodated as to fulfill that mission. FT8 and soon FT4 are modes that present us with challenges. To use these modes to qualify for membership or to use the contact for awards require some manual input. To allow otherwise would be improper since these exchanges are required for all other modes. Of course we need to encourage the use of these modes as to promote the use of the band. Therefore, ideas are being considered to develop some type of Auto Contact awards or categories. Those members that have struggled to gain bar awards by making complete exchanges do not deserve to be in competition with those that simply click on a call. Without the on the air exchange of the 10-10 number, the organization will eventually meet its demise. New technologies also present us with new challenges. There are now devices in production and use that allow you to control your station with any device that includes a web browser. In the past we had activity via software links and through VHF/UHF repeater links, but this new technology may impact all of amateur radio in ways that are yet to be imagined.

Of course, when all the infrastructure fails and there is no Internet, no cell, and no electricity, Amateur Radio will rule. A solar powered station, battery powered QRP rig, and the ability to use Morse code will prevail. If we stray from this aspect of Amateur Radio then all is in jeopardy.

God Bless & 73  
Mel KD5DE #33513

## 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.

The Top Operator and Net Control for Q1 are:

Operator - **KD5DE Mel Sojka #33513**

Net Control - **KQ4PK Robert Jones #63201**

## NEW LIFE MEMBERS

02348	W5IU	Keith D Pugh	TX
27768	KK6M	David Roy Godden	CA
53897	AB4TF	Alan Anderson	VA
55082	KA1UQO	Daniel Roche	MA
60494	AF7RP	John S Weir III	ID
69811	VE9KM	Robert J Ireland	DX



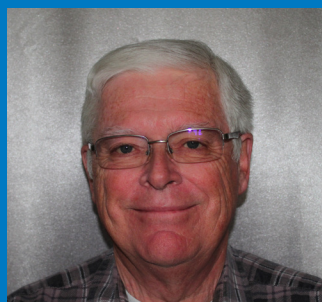
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and licensed today?*

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Wireless Association, Inc.**

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



## Chapter Coordinator

Jim Fox, KA0ZPP  
(#43428)

### GENERAL NEWS

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

2) If your chapter is planning a special during the months of October, November or December, please let me know before September 1st so I can include the details in the October newsletter.

3) Reminder of Quarterly Reports Due: **In Extremis** (no report in over a year): Bauxite, Channel Islands, Down Under, South Central Illinois Ten Meter Club. **Past Due** (no report received during the prior quarters when due): Fort McHenry/Cornerstone/Yodar Kritch, Cradle of Confederacy, Route 66. 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 during third quarter:** Chief Seattle (Jul), Colorado Frontier Gang/Centennial (Jul), Neanderthal (Jul). Note that Quarterly Chapter Reports may be sent any time. The months indicated here are the dates in 2018 in which the last report was received.

4) I thank **ALL CH/CM** who sent me a **complete report** during 2018 so I have up to date contact and net information. Other chapters, please send me a complete report in 2019. See [www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms](http://www.ten-ten.org/index.php/resources/ten-ten-documents/ten-ten-forms) for a form to download or [www.ten-ten.org/chapters/quarterly-report](http://www.ten-ten.org/chapters/quarterly-report) to fill out and submit electronically. Thanks to IT Manager Jeff, N7YG, for developing this easy-to-use form.

5) Poor propagation in recent years has certainly affected Chapter Net activity. If any of you have ideas on ways to increase participation in our Chapters, please contact me at the address given below. One of the primary purposes of Ten-Ten International is to promote activity on this band, especially in such times as these. I welcome your input.

### CHAPTER NEWS

1) **10-Bar-X** chapter has been **reinstated** as an active chapter. According

to new CH Michael, KD5KC, their Wednesday nets have been ongoing, but reports had not been filed due to health problems of former CH W5AAM.

2) **Speedway Chapter** will restart its weekly nets in August, 2019, Tuesday at 1930 UTC on 28.350 MHz. They will host a **Special** between November 1-30, 2019. Those who wish to participate may request a Special Designator either by email or with a chapter upgrade before October 12, 2019. Send requests to CM Dave, W7CAR, at [w7car@arri.net](mailto:w7car@arri.net). A participation certificate will be available on request to all who share either their Speedway Chapter information or Special Designator during the month of November.

3) Chapters below 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](mailto:wh6s@outlook.com). Use form available from the CM.

**Bauxite** – CM K5BKT, [k5bkt@nwla.com](mailto:k5bkt@nwla.com). Bauxite and Arkansas Visitor numbers only.

**Bay Area** – CM K6RDK, [k6rdk@arri.net](mailto:k6rdk@arri.net)

**Branding Iron** – CM DL6DK, [bic-cm@voits.de](mailto:bic-cm@voits.de)

**Castle Craig** – CM N1API, [n1api@cox.net](mailto:n1api@cox.net)

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**Oregon Trail**– CH/CM K7QXG, [k7qyg2@gmail](mailto:k7qyg2@gmail) \*\*

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**Speedway** – CM W7CAR, [w7car@arri.net](mailto:w7car@arri.net)

**Steamboat Plus** – CM KD5DE, [kd5de@nwla.com](mailto:kd5de@nwla.com)

**Twin Cities** – CM K0DBK, [kzerodbk@gmail.com](mailto: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](mailto:ka0zpp10ten@gmail.com)

## TEN-TEN NET GUIDE

As of June 1, 2019

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SUN	0001	0100	Chesapeake Bay	Chestertown, MD	28345	TUE	0430	0430	Aloha	Hilo, HI	28490
SUN	1300	1400	Arlington	Arlington, VA	29200	TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835
SUN	1400	1400	Neanderthal Chapter	Leichlingen, DL	28355	WED	0001	0100	Castle Craig	Meriden, CT	28375
SUN	1630	1730	Possum Trot	Raeferd, NC	28345	WED	0100	0200	Cincinnati Area Ten Tuners	Milan, IN	28430
SUN	1700	1700	Major League Baseball	Gilbert, AZ	28380	WED	0100	0200	Houston SHOT	Houston, TX	28488
SUN	1800	1900	Portland 500	Portland, OR	28350	WED	0200	0300	10-Bar X	El Paso, TX	28445
SUN	1900	2000	Oregon Trail	Dallas, OR	28330	WED	1400	1500	EU DX/Branding Iron	Bergamen, DL	28355
SUN	1930	1930	North Georgia	Atlanta, GA	28410	WED	1700	1700	Gold City	Rutherfordton, NC	28425
SUN	2100	2200	Possum Trot	Raeferd, NC	28150 CW	WED	1930	1930	Route-66	Boonville, IN	28370
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	THU	0001	0100	Cradle of the Confederacy	Pike Road, AL	28350
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	THU	0100	0200	Gateway	St. Louis, MO	28650
MON	0100	0100	Lonestar	Arlington, TX	28460	THU	0100	0100	Cow Town	Arlington, TX	28460
MON	0100	0100	So. Illinois Ten Meters Club	Centralia, IL	28405	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
MON	0130	0230	Bauxite	Benton, AR	28470	THU	0230	0230	Windfarms	Livermore, CA	28450
MON	1630	1730	Chief Seattle	Seattle, WA	28430	THU	0230	0330	Up The Crick	Eugene, OR	28450
MON	2330	2330	Sky Bl Wtr/Tn Lzz/Twn Ct	Inver Grove Heights, MN	28380	THU	1930	1930	Speedway	Rainer, OR	28350
TUE	0001	0100	Ft McHenry/Cornerstone/ Yodar Kritch	Arbutus, MD	28370	FRI	0001	0100	Fort McHenry/Cornerstone/Yodar Kritch	Arbutus, MD	28370
TUE	0100	0200	CO Centennial/CO Frontier Gang	Lakewood, CO	28340	FRI	0001	0100	Steamboat Plus	Shreveport, LA	28430 **
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0130	0230	City of Lights	St Charles, IL	28720	FRI	1400	1400	Hanse	Hamburg, DL	28355
TUE	0130	0230	Bauxite	Benton, AR	28470	FRI	2230	2130	Down Under (Summer in NZ is winter in US)	Auckland, ZL	28530
TUE	0300	0400	Bay Area	Hayward, CA	28475	SAT	1710	1610	Louisiana Pelican	Baton Rouge, LA	28450 **
						SAT	1730	1730	Tango	Buenos Aires, LU	28650
						SAT	2200	2200	Alii	Lihue, HI	28730





## DX News

Mike Davidson, N5MT  
(#24949)

The Spring quarter has passed and we are moving closer to the new solar cycle, where we will begin to have better propagation. As I write this in mid-May, the band has brought me new digital contacts from South America, as I just worked four FT8 contacts with DX stations but none were 10-10 members. Later that day, I finally got a number exchange on FT8 from Canada when I worked Mike VE3FGU #8482, who lives just north of Toronto. The solar flux was up to a 77, which helped with the north/south skip and the FT8 contacts on Ten. **News Flash**, I just saw Greece SV1CIF on my FT8 Ten meter waterfall and I called him! He replied to my weak signal and he is now in the log. My first European on FT8 on Ten at the bottom of the cycle!

The band has stayed open all afternoon on May 13th and I now have eleven new FT8 digital countries on Ten. This is my first chance since I installed FT8, to get a few digital Q's in the log. I see at least twenty stations calling/working a Q in the FT8 waterfall. I see other Louisiana stations in the waterfall but they are just too weak for me to work. The station HI8S from Dominican Republic, has a +17db signal, the strongest DX signal I have ever seen on FT8 on Ten.

I hope all of you have adjusted to the change of daylight saving time. The 10-10 daily net on 28.380 MHz is now one hour after noon time for us in the middle of the US and most of the days the propagation is poor, but today I checked into the daily net. My contact did not last long as net control had a weak signal and I may have been his only check-in as I did not hear him close the net. The only other signal I heard, was the local beacon on 28.211 MHz located 15 miles away. The 10-10 Winter QSO Party in early February was another challenge for my vertical antenna with a solar flux of 70. I managed to come in second in the fifth call area behind Mel KD5DE #33513, who is about 200 miles northwest of me, in Shreveport, LA. The propagation that weekend favored Germany as the top four scores were all DL stations. Robert KQ4PK #63201, was in fifth place followed by other fourth call area stations with the best scores in the USA.

I was talking with our local Pelican 10-10 net last Saturday at 10:10 local time on 28.450 MHz. I have to use the HF amp so all the local members can hear my station with my low vertical antenna. The extra power helps me to

be heard on ground wave. I was making my last transmit with the amp, when a solder joint melted in a low-pass filter in my transmit feed line in the radio room! The filter got hot and I did not know there was a problem until I stopped talking and then things got quiet. The power meter was showing no power output. I began to feel my equipment for any hot spots when I quickly found a hot filter. I turned things off and removed the filter and moved the coax to the power meter. All signals were back to normal and the local net was over by then, but Murphy had visited the station again.

I continue to use the SILSO website for Sun data and any new Sun spot activity that might bring us better solar flux. The SILSO website address was misspelled in my last article so please update to: [www.Sidc.Be/SILSO/](http://www.Sidc.Be/SILSO/). A panel of experts for NOAA and NASA, released a forecast for cycle 25 in April. The panel reached a consensus that cycle 25 will most likely peak from 2023 to 2026, with a max sunspot number between 95 and 130. Thus, cycle 25 will be similar to the present cycle 24, which peaked in April 2014. Note: The SILCO site tracks Sun spots which is not Solar Flux. They are two different numbers so be careful and do not confuse them on graphs. In most of my DX articles, I reference Solar Flux values.

Since I do chase DX on other bands besides Ten, I have been spending time on 17 & 30 Meters using an old vertical that I have had for 30+ years. Its time to replace the antenna and use something better that has a good resonate frequency and low SWR on all bands. I have seen videos of good multi-band antennas on the internet. My new Hygain vertical has arrived, it has been put together and has being tuned for lowest SWR on nine bands. Now I will use it in the Open Season PSK QSO party today, June 1st.

**Countries Award:** There were no Countries Awards submitted this quarter. A DXCC Most Wanted list can be found at: <https://secure.clublog.org/mostwanted.php>.

The old DOS Countries Award program has been replaced by a new OS version. The new program is improved and updated on this computer. The update was made by Gerry WA6POZ #21274. Thanks again to Gerry for the software upgrade.

There are a total of 340 countries on the current ARRL DXCC list. Here are the ten most wanted: 1. North Korea P5; 2. Bouvet Is. 3Y/B; 3. Crozet Is. FT5/W; 4. Scarborough Reef BS7H; 5. San Felix Is. CE0X; 6. Pratas Is. BV9P; 7. Kure Is. KH7K; 8. Johnston Is. KH3; 9. Kerguelen Is. FT5/X; and 10. Peter First Is. 3Y/P.

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

### GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

**3D2 Fiji.** Antoine **3D2AG** #72719, did not make it back to Rotuma in April. He



has been in Fiji using his 3D2AG call since March 4th. He was in Tuvalu from Feb 20-27th using call T2AR but I saw no Q's on Ten by him.

**7P Lesotho.** A group of seven ops got into Lesotho from March 8-16th and used call 7P8LB. The only 10-10 member was Gerald **OE7PGI** #36910. Website: <http://www.LA9VPA.com/7P8LB/index.html>.

**9G Ghana.** Emil **ZS6EGB** #71820, has left Ghana for good and will not return soon. Please use LoTW to confirm any QSO's. His callsign was 9G5ZS while in Ghana.

**CU Azores.** Herman **HB9CRV** #72110, arrived on Flores on May 24th and will leave on June 11th. In a IARU Field Day event, he will change calls to CR2V. LoTW.

**EA Spain.** Hans **ON6ZK** #70109, was active as EA7/ON6ZK from May 14-19th from Los Terreros.

**HH Haiti.** Dale **N3BNA** #32100, was in Haiti for a week in May. I logged him with FT8 on 30 Meters but not Ten.

**J6 Saint Lucia.** Three members were in Saint Lucia for the ARRL DX contests. They stayed from March 1-9th and May 6-11th. Bill **K9HZ** #2618, Dan **W0CN** #27026 and Kyle **WA4PGM** #50763. They were using J6/home call before/after the contest. During the contest they used call J68HZ and upload logs to LoTW.

**K USA.** The steam ship Queen Mary, callsign **W6RO** #25000, observed its 40 years of operation from Long Beach, CA during the month of April. The QM made her maiden voyage May 27, 1936, and in 1967 she was retired and sold to the city of Long Beach. The QM has a haunted history of spirits which have been heard by guests who have stayed on the QM or eaten in a restaurant on board the QM.

**KH2 Guam.** Toshinobu **J13ERV** #39995, was on Guam for the CQWW WPX CW contest the last weekend in May. He used callsign AH2R and please QSL via LoTW.

**KG4 Guantanamo Bay.** Carl **KP2L** #47405, operated the club station using call KG4SC from March 6th to 13th. Carl made a lot of FT8 QSO's but no reports of 10 Meter activity.

**SV8 Greece.** Jacques **F6HMJ** #52711, was on los Island from May 14-17th. He was on all bands on CW and SSB but I have no feedback if he operated on Ten.

**P4 Aruba.** John **W2GD** #14109, was in Aruba again for the March 30-31st CQWW WPX SSB contest and May 22-27th for the WPX CW contest using call P44W. Outside of the contest he operated on the WARC bands. LoTW.

**PJ2 Curacao.** There were two members in a group using call sign PJ2T during March. They were Jeff **K1ZN** #60508 and Barclay **WT4BT** #76242.

**V5 Namibia.** Mike **V51MA** #64688, has taken a direct lightning strike and all of his HF equipment was destroyed. There is a GoFund page setup to replace HF equipment. He now has a radio and power supply donated by two anonymous hams. Good luck.

**VP5 Turks & Caicos Isl.** Dennis **K2SX** #9023 and John **K4BAI** #45389, were on Providenciales Island from May 21-28th using callsign VP5/homecalls. They used CW, SSB and DIBI. QSL to home calls.

**VP9 Bermuda.** Three members went to Bermuda from March 28th to April 2nd. They were: Frank **W8KA** #69853, Lee **N8LJ** #61088 and Stan **AC8W** #62885. Club call sign is VP9I and send your QSO to LoTW.

#### UPCOMING DX & NEW 10-10 ACTIVITY:

**CN Morocco.** Bruno **IK2PZG** #42066, will be with a group of ops on Los Farallones Island from July 25-30th. The call for this rare IOTA DXpedition will be 5C9A.

**CY9 St.Paul Island.** A group of nine operators that visited the island in 2016, will be back from August 1-7th. They will setup two HF sites. There are two 10-10 members: Dan **W4DKS** #5395 and Will **AA4NC** #15774. All bands/all modes including EME by WW2DX. Website: <http://www.CY9C.com> with a YouTube video from 2016.

**D6 Comoro Islands.** Antonio **IZ8CCW** #70101 and a dozen friends, will be on the island from October 20th to November 1st on CW, SSB and Digi with callsign D68CCC.

**FO/M Marquesas Island.** Eight ops will be on from November 6-17th from Marquesas using call TX7T. The only member you need is Bob **K4UEE** #75256. Website: <http://www.Marquesas2019.com>.

**FP St. Pierre & Miquelon Islands.** Eric **KV1J** #31247, will be back for his 13th trip to Miquelon operating as FP/KV1J from September 24th to October 8th. Mostly SSB, RTTY, FT8 and hopefully CW. LoTW. Website at: [www.KV1J.com/FP/Sep19.html](http://www.KV1J.com/FP/Sep19.html).

**HC Ecuador.** Uwe **DL8UD** #70315, will be operating from Cuenca as HC5M in October for the CQWW DX SSB contest. He will be on all bands when not in the contest.

**P4 Aruba.** John **W2GD** #14109 will be back using call P40W in October for the CQWW DX SSB contest and in November 23rd for the CW contest. He uses LoTW.

**V4 St. Kitts.** Gaylord **N4SF** #568, will be on the island in October as V4/N4SF or contest call V49V.

**VP6 Pitcairn Island.** A DXpedition to Pitcairn will start on October 18th and end on November 1st. There will be six 10-10 members going to Pitcairn! They are:

Ralph **K0IR** #2609, Hal **W8HC** #12502, Pat **K0PC** #37931, George **N4GRN** #73941, Mike **K9NW** #29804 and Mike **W0VTT** #14404. The shipping container was packed and it is on its way. Website: <https://PitcairnDX.com>. There has been a 10-10 member on Pitcairn in past years.

**VP8 South Orkney Island.** A big DXpedition will begin on February 20, 2020 for fourteen days to South Orkney Island. The call on the website is listed as VP8/VP8DXU. The only 10-10 member will be, Gene **K6GS** #15119. Past activity from the island by a member was in February 2011, so visiting the island only happens about once every ten years. Good luck. Website: <https://SOrkney.com>.

#### MISCELLANEOUS ITEMS & NOTES:

**Propagation forecast:** <http://www.solen.info/solar/>, [www.SolarHam.net](http://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 66-78 during the Summer of 2019. The Summer Solstice is when spring ends and summer begins on June 21st for the USA, and we have maximum daylight for a day. Propagation all depends on the Sun ionization so radio waves can skip.

Our solar cycle #24, peaked in February 2014 at 170.3 and the cycle is now going through the solar minimum phase, until we begin cycle #25, probably in 7-12 months. The natural cycle of the sun is 11 years and we are now ten plus years into cycle #24. Cycle #25 could start as early as January 2020, then the sun could take 1-2 year of increasing sun ionization before we get better skip conditions.

The monthly maximum solar fluxes for 2019: January 76, Feb 72, March 81, April 81 and May 79.

The monthly minimum fluxes for 2019: January 68, Feb 70, March 68, April 67 and May 68.

**On June 1st, the solar flux was 68, the A index was 8 and K index was 1.** There were few solar flares this spring and the solar flux high for last year has remained low. The June 1st to July 14th solar flux forecast by the USAF will be 68 to 76.

**My Prediction:** Over the next three months, the best conditions on Ten could be: June 6-10th, July 4-7th, August 1-5th and 28-31st. For the lower USA, expect a 5% chance of DX to Europe or Asia with a 15% chance of DX to South America and later in the day to the S. Pacific. Listen for the CW beacons from

28.175-28.300 to see if the band is open.

**We had no New 10-10 DX members join from March to May 2019.** This DX News edition is number 116th.

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

**DX IS!** 73 Mike Davidson N5MT #24949  
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## Signals, signals, and more signals

Doing my normal morning ritual, I start on 40 meters CW or FT8. Next I move to 30, 20, 17, and 12. But with a small yard, 40 and 20 are about all that is usable. To top that off, being in NW Louisiana on a wire antenna, I usually just see the cool DX and can't work it. Since I do have a 5 element mono-bander on 10 and 20 meters up, I always check and normally find nothing on 10. Well late Spring and early Summer seem to always bring a surprise locally. Sporadic-E on 10 can create some great contacts. Normally it starts mid morning and late evening, but I have seen it up all day. Single-hop signals tend to be in the 1400 mile range, but not always. Some signals are extremely strong but tend to fade rapidly. Makes one wonder, since the SFI is below 70 and there are no sunspots.

What is this? Well it is sometimes called E Skip and is caused by large patches of ionization in the E layer about 70 miles up. The exact cause is not known. But you can always get "expert" opinions on everything. Most professional scientists say it is caused by wind shear, that occurs this time of year, and high elevation thunderstorms. One fact is known it has nothing to do with solar activity, which effects the F Layer. In some parts of the country this occurs around Christmas time and may be associated with winter storms as well?

There are a few known variables. Once an ionization patch is created it will drift to the Northeast at 180 MPH. Often there are multiple patches created and drift east at about 12.5 degrees daily. This explains the rapid fade sometimes experienced. Sometimes you will hear several locations at the same time. This morning 5/25/2019, I had KY, NJ, and MI all at the same level on FT8. This has been ongoing for about two weeks. For me, mid July seems to be the end historically. One rather unique aspect is knowing that you hit the patch midpoint. With a little practice you can determine what you will work. For me it is NC and VA most frequently.

You can always check the 10-meter beacons between 28.2 and 28.3. If they can be heard you can work frequencies below them. Always a disappointment to me because of my pleasure operating CW. Normally very few stations are in the CW portion, FT8 and soon FT4 seem to attract the crowd currently.

Of course new modes are always on the horizon in the digital contact world. PSK31 is there, but not used like it was and RTTY is also an option.

There are times when the patch is so dense that the FM repeaters above 29.6 come alive. In theory if this happens contacts into Europe from the states could be possible via repeaters.

There is only one rule on 10 meters that must be enforced. Call CQ if you do not hear any activity.

MeI KD5DE #33513

## July 2019 CW Corner

I would like to open with a bit of an explanation to my disappearance from this column for the last little while. The last year or so has been a rough one; my wife grew ill, and passed back on January 10 from the effects of respiratory and renal failure at the ripe old age of 49. While dealing with all of that, I found myself growing weary of some of the issues within the Amateur Radio Service, most notably by the lack of enforcement at the hands of the FCC, and I began to wonder if the work I had put in to pass the three cw and four written exams to gain my Amateur Extra ticket were in vain.

While I still struggle with the sense of apathy coming from the FCC in that regard, however, I have come to appreciate how much I do, in fact, love the hobby, and the friends I have made along the way. With things here now simmering down, and with the spring E Skip season back upon us, my passion for radio has rekindled a bit.

I have acquired a Uniden HR 2600, and it is being fed into an Antron 99 CB antenna at about 10 feet. It has one of those strange molex connectors on back for an external speaker and the cw key, which I find awkward, but it otherwise seems to do alright on CW and SSB. I have yet to really experiment on AM or FM.

I have noted three operating events that may be of interest to those of you who like to play around on cw. The first are the Sprints from the Straight Key Century Club; the Weekend Sprint (WES) runs from 1200 UTC July 13 to 2400 UTC July 14, and their Straight Key Sprint (SKS) runs from 0000 UTC to 0200 UTC on July 24. Please see [www.skccgroup.com](http://www.skccgroup.com) for further details.

From 1800 UTC on August 3 to 0600 UTC on August 4, National Contest Journal will be hosting the cw half of the North American QSO Party. Categories are Single Op and Multi Op Two Transmitter. The exchange is the operator name and station location, with only the operator name as the exchange for stations outside of North America. Multipliers are the 50 US States, DC, the 13 Canadian Provinces and Territories, and any other North American entities defined by the ARRL DXCC list. Maritime and Aeronautical mobiles do not

count for mults, but they do count as QSO points; the final score is determined by the number of QSO's x the multipliers. Please visit the website for the National Contest Journal for more rules and log submissions – [ncjweb.com/naqp](http://ncjweb.com/naqp).

Lastly, I would like to remind everybody that the 10-10 Fall CW QSO Party runs from 0001 UTC October 19 to 2359 UTC October 20. I would like to add here that all three of these operating events are excellent opportunities to use and promote 10 meters, hone our cw skills, and especially in the case of the 10-10 CW QSO Party, to promote 10-10.

I would still love to hear from any and all of you that would love to drop me a line. I am specifically looking for what kind of activities you're engaged in on 10 meters, if you happen to be running a little 10 meter rig like an HTX 100, an HR 2510 or something similar, and any comments or concerns you have regarding 10 meters and the 10-10 organization.

Remember to check [dxmaps.com](http://dxmaps.com) and the Reverse Beacon Network for any possible band openings, along with turning the rig on and actually checking. Ten meters can be very fickle and very surprising when it comes to Sporadic E.

73

Jim Stoeber, w9x  
10X # 49635  
8829 Bermuda Ave.  
Caseyville, IL 62232  
[w9x1989@yahoo.com](mailto:w9x1989@yahoo.com)

## QSL Bureau News

### Summer 2019 QSL Bureau Report

Springtime in the 10-10 QSL Bureau has been quiet – no cards received or sent.

Friendly reminder that the bureau can be used for all of your outgoing cards, so long as both stations have a 10 – 10 number, irrespective of band or mode used to make the contact. Hopefully things will pick up now that spring E Skip season is upon us.

Mail your outgoing cards to:

**10-10 QSL Bureau  
c/o Jim Stoeber, w9x  
8829 Bermuda Ave.  
Caseyville, IL 62232**



# Net Report

Bob Farrow, N6OPR  
(#45715)

## Net reports for 1st Quarter 2019

### MONDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
7-Jan	3	1	7-Jan	7	0
14-Jan	2	0	14-Jan	12	1
21-Jan	2	0	21-Jan	7	0
28-Jan	2	0	28-Jan	7	0
4-Feb	2	0	4-Feb	9	0
11-Feb	2	0	11-Feb	7	0
18-Feb	2	0	18-Feb	11	0
25-Feb	2	0	25-Feb	10	0
26-Feb	2	0	26-Feb	9	0
4-Mar	3	1	4-Mar	10	0
11-Mar	2	0	11-Mar	10	0
18-Mar	2	0	18-Mar	10	0
25-Mar	2	0	25-Mar	10	0

### TUESDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
1-Jan	2	0	1-Jan	2	0
8-Jan	4	0	8-Jan	2	0
15-Jan	8	0	15-Jan	2	0
22-Jan	9	0	22-Jan	2	0
5-Feb	6	0	5-Feb	2	0
12-Feb	12	2	12-Feb	2	0
19-Feb	9	0	19-Feb	2	0
26-Feb	11	1	26-Feb	2	0
5-Mar	10	0	5-Mar	2	0
12-Mar	6	0	12-Mar	2	0
19-Mar	7	0	19-Mar	2	0
28-Mar	10	0	28-Mar	2	0

### WEDNESDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
2-Jan	7	0	2-Jan	5	0
9-Jan	8	0	9-Jan	3	0
16-Jan	9	0	16-Jan	7	0
23-Jan	9	0	23-Jan	4	0
30-Jan	8	0	30-Jan	3	0
6-Feb	6	0	6-Feb	7	0
13-Feb	5	0	13-Feb	5	0
20-Feb	7	0	20-Feb	7	0
27-Feb	X	X	27-Feb	7	0
6-Mar	3	1	6-Mar	4	0
13-Mar	5	1	13-Mar	4	0
20-Mar	8	0	20-Mar	6	0
27-Mar	6	0	27-Mar	6	0

### THURSDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
3-Jan	X	X	3-Jan	3	1
10-Jan	8	0	10-Jan	2	0
17-Jan	8	1	17-Jan	3	0
24-Jan	8	0	24-Jan	2	0
31-Jan	4	0	31-Jan	2	0
7-Feb	3	0	7-Feb	2	0
14-Feb	6	0	14-Feb	2	0
21-Feb	7	0	21-Feb	2	0
28-Feb	6	1	28-Feb	2	2
7-Mar	2	0	7-Mar	2	0
14-Mar	6	0	14-Mar	2	0
21-Mar	5	0	21-Mar	3	2
28-Mar	8	0	28-Mar	2	0

### FRIDAY NETS

----- 28.38 MHz -----			----- 28.80 MHz -----		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
4-Jan	10	0	4-Jan	9	0
11-Jan	4	0	11-Jan	7	0
18-Jan	4	0	18-Jan	6	0
25-Jan	4	0	25-Jan	X	X
1-Feb	4	0	1-Feb	X	X
8-Feb	4	0	8-Feb	7	0
15-Feb	4	0	15-Feb	7	0
22-Feb	4	0	22-Feb	9	0
1-Mar	4	0	1-Mar	10	0
8-Mar	4	0	8-Mar	X	X
22-Mar	4	0	22-Mar	9	0
29-Mar	4	0	29-Mar	6	0



## SATURDAY NETS

28.38 MHz			28.80 MHz		
DATE	TOTAL	NO 10X#	DATE	TOTAL	NO 10X#
5-Jan	2	0	5-Jan	X	X
12-Jan	4	0	12-Jan	X	X
19-Jan	2	0	19-Jan	X	X
25-Jan	4	0	25-Jan	X	X
2-Feb	2	0	2-Feb	X	X
9-Feb	2	0	9-Feb	X	X
16-Feb	2	0	16-Feb	X	X
23-Feb	2	0	23-Feb	X	X
2-Mar	2	0	2-Mar	X	X
9-Mar	2	0	9-Mar	X	X
16-Mar	2	0	16-Mar	X	X
23-Mar	2	0	23-Mar	X	X
30-Mar	2	0	30-Mar	X	X

X = No Net Called

Looking at the NCS first quarter net reports, the only action was local ground wave check-ins. However in May of the second quarter, there were several openings as that report will show. Ray, K7CWS, had a nice opening to the northwest on Tuesday (7th) with 14 checked-ins. Terry, N0TW, had an opening on Friday (10th) with 26 stopping by.

I do believe that cycle 24 has gone to bed and cycle 25 is waking up. Look for better conditions by mid-October. Hopefully B-4 the 10-10 sprint. Take care and stay well

Bob N6OPR 4575 - Director Net Management

### 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)	Mike, KF4WKY	#70191	NC
Wed (28.380)	Bob, N6OPR	#45715	AZ
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)	Mike, KF4WKY	#70191	NC
Sat (28.800)	Open. Contact Bob N6OPR for info		
Alternate	Dan, KC8IM	#31959	MI
Sunday <b>NEVER ON SUNDAY</b>			

## 10-10 Has Two Official Daily Nets

28.380 and 28.800 MHz

Both Run At 1800z

Every Day Except Sunday

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

## 10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal has always been to fund our scholarships entirely through member donations. At the Scholarship Foundation meeting in June, the Foundation Board voted to guarantee the funding for four \$2000 college scholarships to be awarded in 2020. 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. 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 \$25 or more you are eligible to receive one of the 10-10 pins. As more and more members have told me not to send a pin and want the maximum amount of their donation to go to the students, if you have made a qualifying donation and would like a pin, please contact me at wa2suh@aol.com. To pay by credit card see payment information on Page 27 or send your check to me or the Data Manager. Our addresses can be found on Page 26.

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

### Platinum (\$1000 or more)

N5MT ..... Michael Davidson 24949

### Gold (\$500 to \$999)

None

### Silver (\$100 to \$499)

K0HWE.....	Al Hammond	03743
W7KD.....	Robert Shauger	06454
W7GSV.....	Robert Rosie	07673
W2IP.....	Paul Cornett	26513
WB6OJB.....	Arnold Kalan	70675
K2ERD.....	Taras Sochan	74082

## Bronze (Up to \$99)

W1CRO .....	Arthur Whittum	40405
WD8USA .....	Joseph Bell	46824

## Bronze (Up to \$99) cont.

K8IG .....	Frederick Freer III	72789
AJ4SF .....	Donald Myers	75332

## 10-10 SCHOLARSHIP APPLICANT INFORMATION

Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds four \$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 five most recent winners are featured on the 10-10 website. Over the past 31 years, 10-10 has funded 118 scholarships valued at \$147,000.

Applicants must be licensed amateurs. There is no restriction on the course of study, but applicants must intend to seek at least an Associate Degree from a college or university. Non-U.S. amateurs and those seeking graduate degrees are also eligible, as well as students who study outside the United States. Initial applications must be received by FAR prior to April 15th of each year. Download an application from FAR's website: <http://www.farweb.org> or request an application from:

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

## In Tribute

Recently I was questioned about a member that was on the Bar Awards Top Ten Honor roll. Since this member had a low membership number it was assumed that they were no longer among the living. After several email exchanges and some research it was resolved and it was discovered that K6PZE was still with us at this time, and will celebrate his 100th birthday in December. This will allow him to join the others in the Presidents Century Club.

During this process I decided to make an effort to recognize the accomplishments of some of our members that are now in the SK role. I would like to thank our Bar 1000+ manager, N2WIE Tony #66790 for his assistance.

Below is a list of the highest Bar Award attained by members that are now on the SK roster.

BAR	#	Call	10-10#		
17000	2	W0RWC	581	02/11/90	SK
16900	3	PJ2WG	27999	04/18/92	SK
16800	4	WB1DBZ	26001	08/09/92	SK
16700	5	W4WKQ	33299	02/26/98	SK
16500	5	K5MRU	218	10/14/95	SK
14100	8	WB7NUU	17416	09/05/00	SK
11600	10	K5GAY	11825	08/11/03	SK K5GAY (WB5SKQ)
10800	14	KB0ON	29849	08/15/05	SK
10700	12	AA4UF	41176	08/11/96	SK
10600	13	KC9OZ	35140	02/15/96	SK W8IAI (KC9OZ)

Maybe a challenge to you to work on bar awards.

Enjoy  
 Mel KD5DE #33513

## Qualifying 10-10 QSO Exchange reminder

As a friendly reminder, you must send your **call**, your **name**, your **QTH** and your **10-10 number** over the air to your QSO partner to be qualified as a membership, contest or award level contact. Again, Over-The-Air means using your transmitter to send the information to the receiving party while in a QSO.

For those of you trying to communicate using the FT8 mode, you should review the FT8 HOWTO Video at [www.ten-ten.org](http://www.ten-ten.org). That movie will explain how to put all the required information into your transmissions.

## 10 Meter Beacons

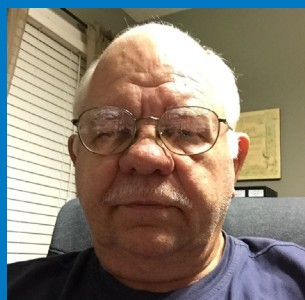
As 10 meter operators one should be aware propagation beacon frequencies are coordinated.

I would appreciate a message from anyone with thoughts of activating a beacon. [wi5v.be@gmail.com](mailto:wi5v.be@gmail.com)

73 Dennis Stice WI5V #35806

IARU Region 2 HF Beacon Coordinator

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



# QSO Parties

Dan Morris, KZ3T  
(#41015)

## 2019 SPRING DIGITAL QSO PARTY

April 27 - 28

### TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N4ZCG	56067	13	5	31
2. WA2HMM	40510	1	19	21
3. KJ4RV	37776	10	0	20
4. W1LIC	46677	0	19	19
5. AK4YS	75328	9	0	18
5. KJ4OFD	75796	9	0	18
6. N3GTY	50585	7	0	14
7. N5MT	24949	0	11	11
8. N4ERM	34524	5	0	10
9. KM5FF	50356	3	0	6
10. KA7IVB	36769	2	0	4

### CALL AREA ORDER

#### CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	1	19	21
W2VTV	71275	0	1	1

#### CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
N4ZCG	56067	13	5	31
KJ4RV	37776	10	0	20

### CALL AREA 4 (cont.)

CALL	10-10#	CTX W	CTX WO	TOTAL
W1LIC	46677	0	19	19
AK4YS	75328	9	0	18
KJ4OFD	75796	9	0	18
N3GTY	50585	7	0	14
N4ERM	34524	5	0	10
KZ3T	41015	1	0	2

### CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	0	11	11
KM5FF	50356	3	0	6
KM5EH	71103	1	0	2

### CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
KA7IVB	36769	2	0	4

### QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
KJ4RV	37776	10	0	20
AK4YS	75328	9	0	18

### LOW POWER

CALL	10-10#	CTX W	CTX WO	TOTAL
N4ZCG	56067	13	5	31
WA2HMM	40510	1	19	21
W1LIC	46677	0	19	19
KJ4OFD	75796	9	0	18
N3GTY	50585	7	0	14
N5MT	24949	0	11	11
N4ERM	34524	5	0	10
KM5FF	50356	3	0	6
W2VTV	71275	0	1	1

**HIGH POWER**

CALL	10-10#	CTX W	CTX WO	TOTAL
KA7IVB	36769	2	0	4
KZ3T	41015	1	0	2
KM5EH	71103	1	0	2

**CLUB ENTRIES**

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NZ4FF	77686	7	0	14	N3GTy

**CHAPTER ENTRIES**

CHAPTER	LOGS	PTS
POSSUM TROT	8	127
LOUISIANA PELICAN	1	11
NM MUD DUCKS	1	6

**CHECK LOGS**

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
N6SPP	77685	1	0	2	0

**2019 SPRING CW QSO PARTY****May 4 - 5****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N4ZCG	56067	16	3	35
2. KJ4RV	37776	12	0	24
3. K0KEX	6691	9	5	23
4. AK4YS	75328	10	0	20
5. N3GTy	50585	9	0	18
6. N0TW	36547	5	6	16
7. KN4Y	17757	5	3	13
7. KR7RK	63324	3	7	13
8. KD5DE	33513	5	1	11
9. KM5FF	50356	4	0	8

**CALL AREA ORDER****CALL AREA 0**

CALL	10-10#	CTX W	CTX WO	TOTAL
K0KEX	6691	9	5	23
W0RTV	13962	1	1	3

**CALL AREA 3**

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3JXW	4377	1	0	2

**CALL AREA 4**

CALL	10-10#	CTX W	CTX WO	TOTAL
N4ZCG	56067	16	3	35
KJ4RV	37776	12	0	24
AK4YS	75328	10	0	20
N3GTy	50585	9	0	18
N0TW	36547	5	6	16
KN4Y	17757	5	3	13
KZ3T	41015	2	0	4
W1LIC	46677	1	0	2

**CALL AREA 5**

CALL	10-10#	CTX W	CTX WO	TOTAL
KD5DE	33513	5	1	11
KM5FF	50356	4	0	8
KM5EH	71103	1	0	2

**CALL AREA 6**

CALL	10-10#	CTX W	CTX WO	TOTAL
KR7RK	63324	3	7	13

**QRP**

CALL	10-10#	CTX W	CTX WO	TOTAL
KJ4RV	37776	12	0	24
AK4YS	75328	10	0	20

**COUNTRY ENTRIES****PANAMA**

CALL	10-10#	CTX W	CTX WO	TOTAL
HP1RIS	75617	1	4	6



**LOW POWER**

CALL	10-10#	CTX W	CTX WO	TOTAL
N4ZCG	56067	16	3	35
K0KEX	6691	9	5	23
N3GTY	50585	9	0	18
KN4Y	17757	5	3	13
KR7RK	63324	3	7	13
KD5DE	33513	5	1	11
KM5FF	50356	4	0	8
KZ3T	41015	2	0	4
W0RTV	13962	1	1	3
WA3JXW	4377	1	0	2
W1LIC	46677	1	0	2

**HIGH POWER**

CALL	10-10#	CTX W	CTX WO	TOTAL
N0TW	36547	5	6	16
HP1RIS	75617	1	4	6
KM5EH	71103	1	0	2

**CLUB ENTRIES**

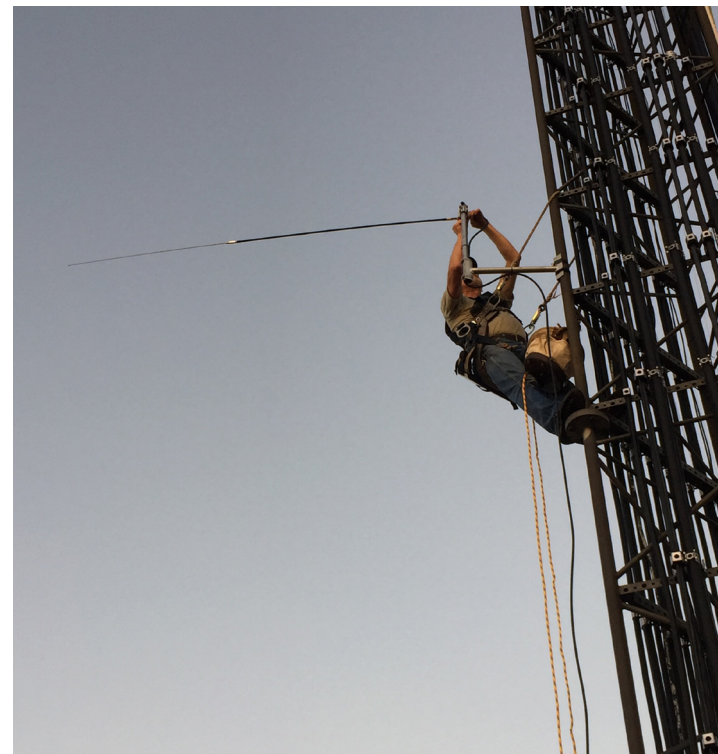
CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NZ4FF	77686	9	0	18	N3GTY

**CHAPTER ENTRIES**

CHAPTER	LOGS	PTS
POSSUM TROT	6	119
STEAMBOAT	1	11
NM MUD DUCKS	1	8
GATEWAY	1	3

**CHECK LOGS**

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
HP1AC	10107	1	0	2	0



This is our Historian, Ron W5SUM #2019, installing a 10-meter antenna on the 147.03 repeater tower to provide a link to 29.6 FM. Works great. Now if the band will just open. Call sign for the link is WN5KFA.

**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](mailto:editor@ten-ten.org).



## Silent Keys

Mark Steele, KD2NOM  
(#77596)

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

10-10#	Call	Name - City, State
893	WX3A	Raymond A. Collins - Sterling, PA
1666	K9MNI	Ronald G. Kane - Fremont, IL
2051	W7VSE	Victor B. Seeberger - Medford, OR
2348	W5IU	Keith D. Pugh - Fort Worth, TX
3998	W1YH	Jewel D. Brown - Oakdale, CT
4703	W4LQE	Robert H. Dilworth, III - Knoxville, TN
4878	WB2ZXE	Donald S. Dombrowsky - St. Augustine, FL
5355	W4CQQ	James D. Smith - Jacksonville Beach, FL
5397	W0TOM	Thomas F. Brereton - Rochester, NY
5922	W1FZY	Paul D. Pralinsky - Athol, MA
6006	W5HI	George E. Tubb - Tyler, TX
6502	WU4W	Hilary H. Osborn, Jr. - Loudon, TN
7867	K1SE	William B. DeLage - Forest, VA
8716	W9EPF	Donald L. Cabe - Elwood, IN
9982	VE6ATT	Terence R. Talbert - Edmonton, ALBERTA
11012	WA2LUF	Ronald D. Whitmore - Oskaloosa, IA
12062	K1NCL	John A. Kelley - Boynton Beach, FL
12549	N8OB	Robert A. Brown - Marion, OH
12636	AC1L	Richard C. Burnham - Greenfield, MA
13532	WE4V	John B. Walters, III - Blairsville, GA
15242	K0BE	Donald A. Heimerl - Madison, MN
15640	KB5DT	Karl D. Stanfield - Corpus Christi, TX
16286	WD8MCH	Hugh E. Buie - Cherokee Village, AR
16527	K2ARW	George A. Sanford - Norman, OK
16833	N3AII	Gregory R. Hoy - Gastonia, NC
18096	W0ALW	Charles H. Marsh - White Bear Lake, MN
18405	VE2AWR	Serge Langlois - Charlesbourg, QUEBEC
18578	W9MLP	Martin L. Parish - Crystal Lake, IL
20967	K4WJR	Delrey M. Marshall - Lancaster, SC
21717	K8GWU	Mack Caldwell - Ballard, WV
21885	VE7DUL	Allan Leland Stringer - Fort St. John, BC
22422	W3GXX	Mayer D. Zimmerman - Randallstown, MD
22481	WB3IHQ	Eric R. Wolfe - Lebanon, PA
23087	KC4HO	David E. Motley - Decatur, AL
23325	WD6CNV	Roger W. Corum - Clovis, CA
23630	W5ZY	James B. Toney - Richardson, TX

10-10#	Call	Name - City, State
23847	W0RTK	Clarence C. Thompson - Belfield, ND
24245	W9NT	Gurnee K. Bridgman - Fargo, ND
25002	WD6CKT	Gary P. Prader - Salinas, CA
25822	K9QA	Richard A. Lochner - Knox, IN
25823	WB9GCU	Robert D. Leatherman - Avilla, IN
26673	KF5ZV	Arley R. Baker - Baton Rouge, LA
29239	AK9Y	Bob A. Sebonia - Chicago, IL
29374	KA2EER	Thomas E. Wilson - Greece, NY
32199	K3HJH	John J. Varljen - Butler, PA
32283	KA5GYG	Ronald G. Bolyard - Kernville, CA
33375	W2BEJ	Anthony J. Pazzola - Loudonville, NY
34622	W5JYJ	Robert J. Lobaugh, Jr. - Tyler, TX
36709	KL7OH	Charles C. Newberg - Akron, IA
37234	ND5F	William H. Parker, Sr. - Houston, TX
37411	KJ3T	Maria Taylor - Bel Air, MD
38568	NK7Y	Sanford T. Weinstein - Portland, OR
39596	W1IZQ	Harold Hyman - Acton, MA
39772	AA4XE	Lewis K. Cullen - Orange Beach, AL
40409	N1USO	Mark S. McCormack - Manchester, NH
40471	W1BJ	Paul F. McCaffrey - Dracut, MA
40830	N5BFG	Earl V. Johnson, II - Dallas, TX
41306	W8DKI	John A. Linton, Jr. - Missouri City, TX
41715	W1GRW	Joseph M. Pollard, Jr. - Uncasville, CT
42121	K5LD	Lawrence D. Carpenter, Jr. - Garland, TX
42312	N9FWW	Susan L. Fors - West Chicago, IL
42597	KA4IOU	Hazel G. Copelan - Gainesville, GA
44236	WV8W	Daniel L. Paar - Trezevant, TN
44676	KB6Q	Pedro L. Ojeda - Santa Maria, CA
45375	A14TE	William D. McAllister - Moultrie, GA
45767	WB6KCE	Joe Mizutani - Kingsburg, CA
49768	N2JPW	Ronald A. Secor - Binghamton, NY
49994	WB4KVU	Peter C. Brundage - Edgewater, FL
51336	WA5IKB	Rex Forman - Brandon, FL
52307	KA3RCS	Karl F. Messerschmidt - Myerstown, PA
52321	WO3G	Robert L. Truslow - Rising Sun, MD
53048	KA4TXV	Stuart D. Garrett, Jr. - Palm Coast, FL
53294	WA5DRK	Lee S. McCollister - Kenner, LA
53389	KD1FN	George M. Smith, Jr. - Madison, CT
53393	KA1UGH	Thomas V. Amann, Sr. - Wesley Chapel, FL
54103	K8NI	Albert "Norm" Into, Jr. - Youngstown, OH
54820	KB5HRS	Peter H. DeWolf - Albuquerque, NM
55099	KA1BVV	Richard A. Downe - Sidney, ME
55475	N8KZX	John Slepecky, Jr. - Brooklyn, OH
55836	N5PRU	Donald P. Goodman - Fort Worth, TX
57160	N5SCA	Daryl L. Strelow - Lampasas, TX
57202	AA6TV	Donald R. Apte - Broomfield, CO
57451	KC4LOY	Thomas J. Mullins - Winder, GA

10-10#	Call	Name - City, State
57773	W8PIT	William G. Shenk - Traverse City, MI
58569	N3KAC	Gerald S. Carlson, Sr. - Pittsburgh, PA
59225	AA7QK	Nicholas S. Spencer - Montesano, WA
61825	W4CC	John M. C. Covington, III - Charlotte, NC
63263	KD4RIE	Don F. Bougrand - Oak Ridge, TN
65448	N1QDX	Paul J. Hoherty - Lunenburg, MA
66729	N2VWL	George E. Morgan - Lower Mt. Bethel, PA
66734	KB2GEK	Sidney Seigel - Brooklyn, NY
66959	KD4PER	Lyndell C. Guy - Central City, KY
67551	KB4ZK	Robert M. Englund - Bluffton, SC
68888	N3GT	William R. Slye, Jr. - Millersville, MD
69267	KB9PDM	Merle R. Young - Noblesville, IN
69369	K8ALP	Avery L. Playford - Three Rivers, MI
70049	K6KLL	Alan R. Young - Vineburg, CA
70074	N6DKG	Danny E. Bullis - Lake Havasu City, AZ
71466	AA4JP	Jerry B. Painter - Gaffney, SC
72904	K2MVW	Rudolph J. Kerl - Plainsboro, NJ
72949	WB2AUL	John A. Costa - Yonkers, NY
74423	WB9VKZ	Francis V. DeDomingo - Robinson, IL
74865	W6DAW	Daniel A. Warren - Lancaster, CA
75274	WA3ZMH	Arthur A. Haug - Georgetown, DE
75356	W9ON	Allen R. Shuff - Kingsport, TN
75825	WB6VAF	Arlen Richard Van Fossen - Fresno, CA
76395	W1VRY	James W. Wilkes - Topsham, ME

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

Mark 73, KD2NOM #77596

## Board of Directors Meeting

June 2, 2019 22:00UTC

Zoom Conference

Fiscal year April 1 2018 – March 31 2019

### Moderator

Mel Sojka KD5DE #33513 President

### Directors in attendance

Robert Farrow, N6OPR #45715

Dan Morris KZ3T, #41015

Marcus Lieberman, KM5EH #71103

Thomas Trissel, KC5ILO #72239

Jim Fox, KA0ZPP #43428

### Net Officials in attendance

David Smith, K6RDK #65812 Data Manager

Larry Berger, WA2SUH #407 Scholarship Manager

Mark Steele, KD2NOM #77569 SK Manager/Social Media Manager

Gerry Gross, WA6POZ #21274 Past President ( no audio monitoring)

No Guest

### CALL TO ORDER

### Reports

All director reports were distributed prior to the conference no questions.

President Sojka reviewed financial status and stated that the organization was financially sound. Did state that 10-10 has 1008 Life Members including 76 DX that require postal distribution of the News. This obligates a large portion of our savings. Also over 1400 will require postal delivery in the foreseeable future. This number will increase with new members desiring postal delivery.

Director Lieberman asked about current membership and was a bit concerned that is was a bit low. President Sojka stated that most Amateur organizations were experiencing the same. It was expressed that a greater presence at Amateur events could bring the numbers back up. Manager Smith confirmed this and stated that we have gained 7 new members already this fiscal year. 1010 plans to be at Ham Com, Shreveport, Huntsville, and Chattanooga.

Director Fox reported that there are problems with the number of chapters, and chapter activity. It was concluded that there is a need for new chapters and some chapters need to make some changes to encourage activity.

Director Lieberman reported that there may be a possibility to renew convention efforts in 2020. He reported that the leadership of the Albuquerque Hamfest indicated that they would provide support for a convention effort in conjunction with their event. This will be researched in the near future.

Director Morris reported changes in the power level categories, this was done to bring us in line with other Amateur organizations. Also discussion about how to include FT8 and FT4 contacts in the Digital QSO Parties. This is an ongoing study and will look for later developments.

Meeting Adjourned at 22:45

## Scholarship Foundation Board Meeting

Jun 2, 2019 22:46 UTC

Zoom Conference

### Moderator

Larry Berger, WA2SUH #407 Scholarship Manager



**Officers, Directors in attendance**

Mel Sojka KD5DE #33513 President  
 Robert Farrow, N6OPR #45715  
 Dan Morris KZ3T, #41015  
 Marcus Lieberman, KM5EH #71103  
 Thomas Trissel, KC5ILO #72239  
 Jim Fox, KA0ZPP #43428

**CALL TO ORDER**

The foundation report was distributed prior to the conference and there were no questions.

Manager Berger reported that we will be able to fund 4-\$2000 scholarships this year and at current rate of contributions probably be able to do the same next year. It appears to be popular to make donations as a memorial. Maybe need to emphasis this in the News and at events.

Another item was the mailing pins to those that donate, seems like many do not want the pins and they are a bit expensive to mail. In the future we may not produce annual pins, but instead create a universal membership pin to offer at events.

Meeting Adjourned at 23:10 UTC

**A Trip to Remember by Mary AE6Q**

(May 30, 2019)

Virginia NV5F and I went on a memorable trip to Ohio in May of 2019. We had such a great time that I decided to share the highlights of our adventure.

National Museum of the US Air Force



(Left to right: Mary AE6Q, Virginia NV5F, the Boov)

Our first stop right off of the airplane at Dayton International Airport was at the National Museum of the US Air Force. If you have not already been to this museum, it is most definitely worth the trip. Admission is free. (Check out the virtual museum tour at [www.nmusaofvirtualltour.com](http://www.nmusaofvirtualltour.com).) The museum had four humongous hangars chock-full of aircraft – many of them hanging aloft and appearing to be airborne from below. The aircraft were carefully arranged in historical sequence, allowing you to travel through time as you progressed through the museum.

- We started with a replica of the Wright 1909 Military Flyer, invented by Orville and Wilbur Wright. This was the only Army airplane model used for almost two years.
- The museum had many airplanes that were used for reconnaissance and dog fights during World War I.



- The World War II gallery included Bockscar, the B-29 bomber that dropped “Fat Man”, the second nuclear bomb ever dropped, on Nagasaki, Japan, ending World War II. (The Enola Gay, the B-29 bomber that dropped “Little Boy”, the first nuclear bomb ever dropped, is located at the Steven F. Udvar-Hazy Center in Chantilly, Virginia.)
- We got to walk inside the colossal C-124 used for heavy airlifts during the Korean War.
- There was a huge B-52D Stratofortress, a long-range heavy bomber from the Cold War era that was used in combat in Southeast Asia and also in North Vietnam. B-52 bombers are still in use today.
- The B-2 stealth bomber was my favorite aircraft. I recently got to see a B-2 bomber in the air near Abilene, Texas and was thrilled beyond measure.
- There were four presidential aircraft that you could walk through. They were used by Presidents Roosevelt, Truman, Eisenhower, and Kennedy (and the eight Presidents after him).
- There was also a NASA space shuttle exhibit and a room full of missiles that make you feel as small as an ant.

National Voice of American (VOA) Museum of Broadcasting (also known as Bethany Station)



(Model of Bethany Station and Rhombic antenna design)

Next stop was the National Voice of American (VOA) Museum of Broadcasting (also known as Bethany Station) in West Chester, near Cincinnati, Ohio. Admission is free. We thoroughly enjoyed our visit to this museum. (See [www.voamuseum.org](http://www.voamuseum.org).) There were all manner of interesting old gizmos: an 1843 style telegraph key, an antique phonograph, a Crosley living room radio from 1939, a World War II Signal Corps Radio, lots of radio broadcast equipment. There were also pictures of the famous entertainers who broadcast from the station in its heyday.

- Voice of America started out in 1942 as a radio program that explained America's policies to allies in Europe, Asia, the Middle East, and Africa during World War II. Hitler was aware of the broadcasts and called them “fake news” coming from “those Cincinnati Liars”.
- During the Cold War, Voice of American was instrumental in sending broadcasts about the American way of life into the USSR.
- Over the years, radio programs were broadcast in forty-two languages.
- Although Bethany Station is no longer operating, Voice of America news is still available at [www.voanews.com](http://www.voanews.com).
- Did you know? The West Chester Amateur Radio Association has its radio station set up at the museum and it's great! Stop by and say hello to these friendly amateur radio operators and check out their fun activities at [www.wc8voa.org](http://www.wc8voa.org).

#### Dayton Hamvention 2019

Virginia NV5F and I had a super time all three days at the Dayton Hamvention on May 17-19 in Xenia, Ohio. When they say Ham Radio is a small world, they really mean it!

I would have to say that the best part of the Dayton Hamvention was the friendship. I ran into friends I've made in Texas since becoming a ham in August of 2017 and also made a bunch of new friends that I hope to see again at future amateur radio conventions. There are too many friends to name here, but I would like to make a special shout out to our friends at the Ten-Ten International Net and the Young Ladies Radio League.



(Left to right: Keith KR7RK, Frank WF3LD, Mary AE6Q, Mel KD5DE, Virginia NV5F, Linda KA6SPS)



(Left to right: Cheryl N0WBV, Marilyn AF7MM, Anne WB1ARU, Carol K4SAF, Anne KC9YL)

The Dayton Hamvention is also a great place to learn all you could ever hope to know about new products and old. The best part is that you can touch the radio station equipment before you buy it, instead of making a selection from a website or catalog. My big dream in going to Dayton was to try out a bunch of keys and make a special selection. I decided on the Begali Sculpture, although I also liked the N3ZN Keys and Vibroplex keys that were at the convention.

In summary, I've got to say that every amateur radio operator should go to the Dayton Hamvention at least once in a lifetime! It is the largest amateur radio convention in the United States and is a wonderful experience. We were told that there were 30,000 visitors to the convention this year, which is the greatest number of visitors since 1995.

Sadly, several communities in the Dayton, Ohio area were inundated by a series of tornadoes about a week after our return home. If you are interested, the American Red Cross is accepting monetary donations to help these communities. Donations may be made at [redcross.org](http://redcross.org) or by calling 1-800-RED-CROSS.

Mary, AE6Q #77634

## Beta Coils and Hairpins

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

In a number of columns, I have mentioned the beta match. Let's take a brief look at what it is and what it does.

The beta math appears to be simply a small coil or hairpin placed across the terminals of an antenna, most often a Yagi. Some folks mistake the coil for an RF choke, while others mistake the hairpin for a short circuit.

Actually, the beta coil or hairpin is one part of an impedance matching circuit, where the remaining elements are invisible, if you do not know what to look for. Many Yagi antennas have feedpoint impedances in the 20 to 35 Ohm range, somewhat low for feeding directly with coaxial cable. We need to raise the impedance to 50 Ohms – and that is what the beta match system does.

The coil is not the only element in the circuit. There is also a capacitor – or more correctly, some capacitive reactance. We get that part of the circuit from the antenna element itself.

Figure 1 shows how we move from a resonant driven element to a beta match. Let the resonant antenna impedance be low, say about 25 Ohms. If we shorten the element, the resistance does not change significantly, but the antenna becomes capacitively reactive, as the middle part of the figure shows.

If we shorten the element by the right amount, we get the right capacitance reactance in series with the antenna resistance to go together with an



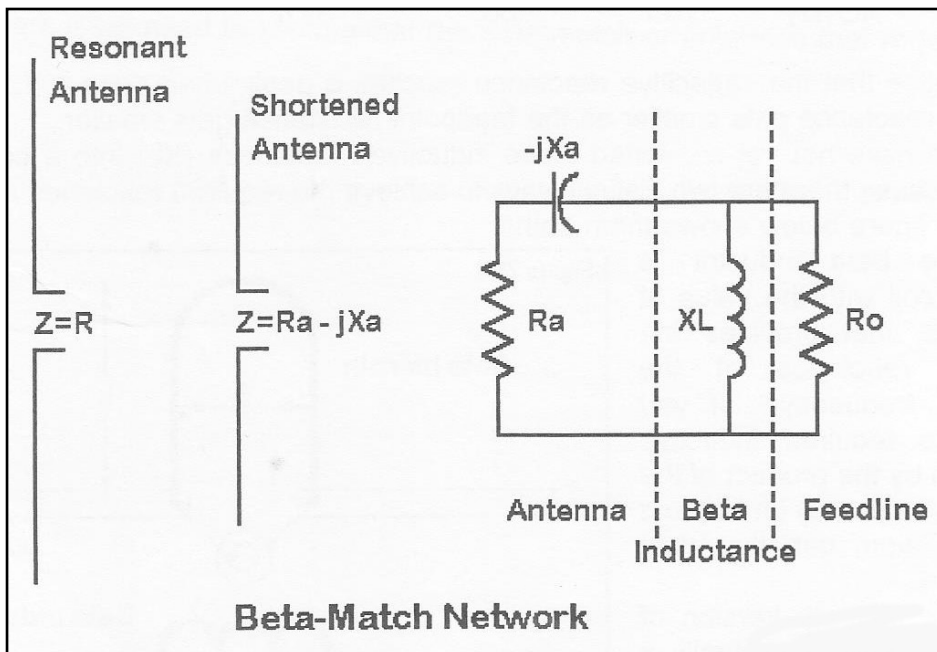


Figure 1. Beta-Match Network

inductance across the coil to make an L-circuit. An L-circuit is one of the fundamental impedance transformation circuits, and in this case,  $-X_a$  and  $X_L$  together change the 25-ohm antenna resistance to 50 Ohms.

We can calculate the needed values if we know the antenna feedpoint resistance ( $R_a$ ). (We know the coax has a characteristic impedance ( $R_o$ ) of 50 Ohms.) First we calculate a value called “delta” by some and “working Q” by others.  $\Delta = \text{the square root of } [(R_o/R_a)-1]$ . Now we can easily calculate the necessary values of capacitive reactance in the antenna ( $-X_a$ ) and of inductive reactance to place across the terminals ( $X_L$ ).  $X_a = \Delta \text{ times } R_a$ .  $X_L = R_o / \Delta$ .

Since these values are given as reactances, you need to convert the inductive reactance into a component value. The capacitive reactance will be developed by simply shortening the antenna element until the beta match gives us 50 Ohms.

For reference, here is a small table of values we commonly encounter with beta matches with 50-Ohm coax for various values of antenna feedpoint resistance ( $R_a$ ):

Table 1. Common Beta Match Values with 50 Ohm Coax

$R_a (\Omega)$	33	25	17
Delta	0.7	1	1.4
$X_a (\Omega)$	23.6	25	23.6
$X_L (\Omega)$	70.7	50	35.4

Notice that the capacitive reactance reaches a peak when  $\Delta = 1$ , while the inductive reactance gets smaller as the feedpoint resistance gets smaller.

We have not yet converted these inductive reactances ( $X_L$ ) into a component value, because there are two distinct ways to achieve the required reactance across the coil. Figure 2 shows them both.

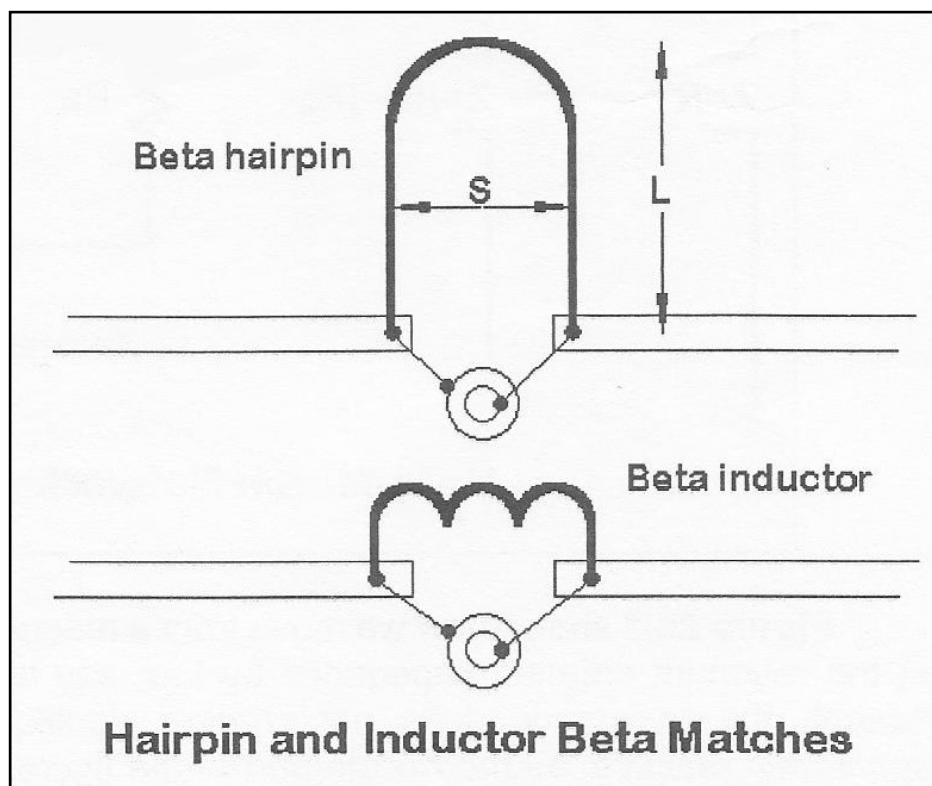


Figure 2. Hairpin and Inductor Beta Matches

The beta inductor is simply a coil with the value of inductance that provides the inductive reactance at the operating frequency. If you divide the required inductive reactance by the product of the operating frequency (in Hz) and twice  $\pi$ , you get the right inductance.

The hairpin version of the beta inductor is actually a small shorted stub of parallel transmission line. Rather than go through the calculation procedure, I shall simply once more recommend that you obtain a recent copy of HAMCALC, a suite of handy ham calculation programs in GW Basic. You can get a copy for \$7 to cover CDROM and mailing costs from George Murphy, VE3ERP, 77 McKenzie Street, Orillia, ON L3V 6A6, Canada. Among the selections on the disk is an excellent program that will calculate the dimensions of a hairpin for the match. It was written by Thomas Cefalo, Jr., WA1SPI. The program will also tell you the equivalent inductance in case you want to wind a coil. Other programs in HAMCALC will help you wind an accurate coil.

Many antenna builders use the experimental technique of adjusting the driven element for a beta match. After calculating the beta coil or hair pin, they install it and then adjust the element length for a low SWR. Antenna modelers tend to determine the required element length in advance from their software and save some time fumbling for the right element length.

Either way, the beta match results in a very low loss match. For inductor Qs over 100 (easily to obtain, but some maintenance is required to maintain the Q), losses will be well under 1% -- and even less for the hairpin.

If you like to build antennas, you should become familiar with the beta match. Some folks actually avoid the beta match because it is "too simple to really work." However, it does work, and very well indeed for antennas with moderately low feedpoint impedances. Since there are easy-to-use utility programs for calculating everything you need, there is no need to avoid either the beta match or antennas that require one.

## HOW TO BIDE YOUR TIME

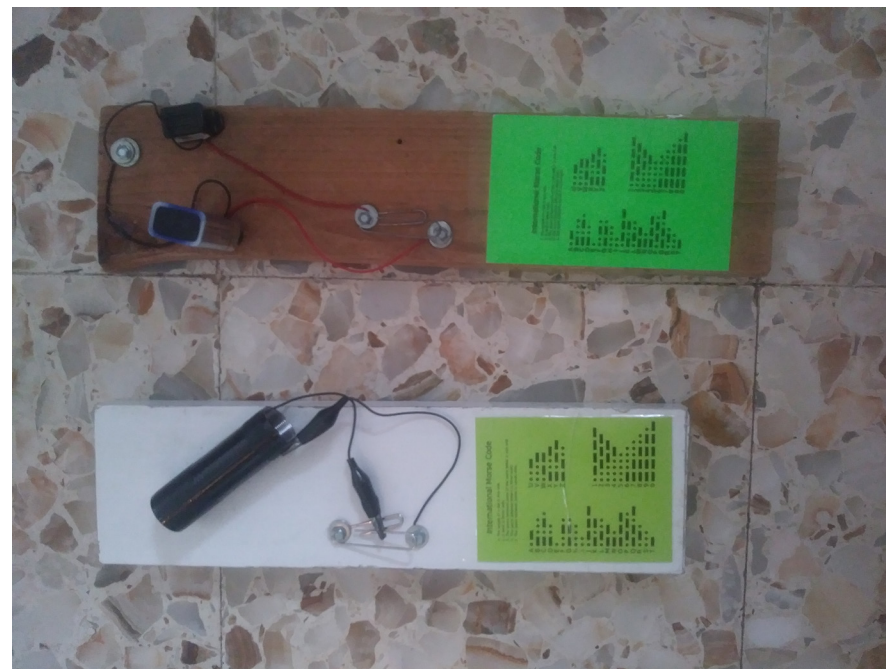
With the sun taking a nap, we need to use our time wisely until 10M becomes active again.

Absolutely monitor the band to catch an opening, but also do something to connect with the wider community and start a new crop of hams.

I am working with the local museum of natural science and they hosted a "Pi Day" with a theme of "Radio circles the globe". The visitors were mostly 3rd grade and down, so we introduced them to a game called "morse". We provided cards with the code and had blinkers and buzzers for them to do their names and told the parents for everyone to learn SOS. Almost all first responders will recognize the sound of

... --- ...

For the older kids, we had the history of Morse code and a 2m link to our local OEM (with their permission a club member manned the station).



It was a big hit with the museum, parents, and kids. Plus we did it with just 3 operators and some high school age museum volunteers.

My next project is Field Day. I have gained permission from my HOA to host a "Emergency Preparation Event" at our community building. They know it will be based on radios, but I have also secured a promise from our local CERT director to attend, and have invited our city council member, police, and a local TV meteorologist. (I was very clear to say I could promise radios, and promise to issue invitations to the others.)

So, I encourage everyone to reach out to your community in novel ways. Offer something they will want or need and then tie radio to it.

73 Ralph KE5HDF #74722

## ARTICLES

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



# 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 2019

AJ7B, Randy.....	Newsletter Editor	KZ3T, Dan.....	Director/QSO Party Manager
G4BLH, Mike .....	Awards – GB	N0TW, Terry .....	Past President
K0DBK, Brad .....	Awards – Counties	N2WIE, Tony.....	Awards – 1000+ Bars
KD2NOM, Mark .....	SK Manager	N5MT, Mike.....	Awards – DX
K4QHH, Bob.....	Award Manager-Mobile & VP	N6ELK, Louise.....	Net Control
K5BKT, Peggy .....	Committee Member	N6OPR, Bob.....	Director/Net Manager
K5ERJ, Ed .....	Committee Member	N7YG, Jeff.....	IT Manager
K6DNR, Bob .....	Net Control	N9AC, Gerald .....	W6OI Trustee
K6RDK, David .....	Data/ Membership Manager	NP2MR, David.....	Committee Member
K7CWS, Ray .....	Net Control	NZ1I, Kevin.....	Awards WAC
KA0ZPP, Jim .....	Director/Chapter Coordinator	VA7GY, Garry .....	Committee Member
KA5VVD, Bob.....	Committee Member	VE3MEW, Bill .....	Committee Member
KC1BTA, Jason .....	Scout Award Manager	W4MAA, Bobby .....	Committee Member
KC5ILO, Tom .....	Director/ Publications	W5DJT, David.....	Committee Member
KD5DE, Mel.....	President	W5SUM, Ronnie.....	Historian
KD6FEC, Rex.....	Scout Certificage Manger	WA2SUH, Larry .....	Scholarship Manager
KE1HG, Charles .....	Committee Member	WA3GM, Greg .....	Vice President
KF4WKY, Mike.....	Net Control	WA6POZ, Gerry .....	Software Support
KI6OY, Lee .....	Awards – CW	WB0CON, Eva .....	Awards – WAS
KM5EH, Marcus .....	Director/Awards Manager	WB6OJB, Arnold.....	Net Control
KM5FF, Eddie.....	Awards – WPX	WB9WZI, Alan .....	Net Control
KQ4PK, Robert.....	Net Control	WI9X, Jim .....	QSL Bureau Manager
KR7RK, Keith .....	Treasurer	WN4AMO, Paul .....	Director/Publicity

**RULES FOR THIS EVENT AVAILABLE AT [WWW.TEN-TEN.ORG](http://WWW.TEN-TEN.ORG) IN THE QSO PARTY HANDBOOK**

THE AMATEURS CODE  
by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

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

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

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

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

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

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

## 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](http://www.ten-ten.org)

**TOP TEN HONOR ROLL**

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

**TOP TEN CLUB**

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

**1000+ MILESTONE BARS****3500 BAR**

NO.	CALL	10-10#
229	DL0X	75555

**AWARDS MANAGERS**

BAR 100-900..	Dan Morris, KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	<a href="mailto:dbmorris315@gmail.com">dbmorris315@gmail.com</a>
Bar 1000+ . . .	Tony Lisnak, N2WIE, #66790	192 Greenvale Ave, Yonkers, NY 10703	(914) 476-4032	<a href="mailto:lisnak@optonline.net">lisnak@optonline.net</a>
VP Bar . . . . .	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
VP WAS. . . . .	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
VP Lucky 13 ..	Dan Morris KZ3T #41015	3162 Covington Way, Lenoir NC 28645	(828) 728-5049	<a href="mailto:dbmorris315@gmail.com">dbmorris315@gmail.com</a>
WAC . . . . .	Kevin Gilot, NZ1I, #72759	50 Cindy Lane Mystic, CT 06355-1404	(860) 572-6086	<a href="mailto:kevinemt1d@tvconnect.net">kevinemt1d@tvconnect.net</a>
Counties . . . .	Brad Kimble, K0DBK #55192	3855 66th St. E., Inver Grove Hts, MN 55076-2222	(651) 755-9192	<a href="mailto:kzerodbk@gmail.com">kzerodbk@gmail.com</a>
Countries . . . .	Mike Davidson, N5MT #24949	26274 Whispering Pines Ave, Denham Springs, LA 70726	(713) 417-4727	<a href="mailto:N5MT@aol.com">N5MT@aol.com</a>
CW. . . . .	Lee Zalaznik, KI6OY #50948	334 Olivina Ave., Livermore, CA 94551-6137	(925) 455-0361	<a href="mailto:lee.zalaznik@sbcglobal.net">lee.zalaznik@sbcglobal.net</a>
Digital. . . . .	Mel Sojka, KD5DE #33513	353 Atlantic Ave., Shreveport, LA 71105-2909	(318) 861-7012	<a href="mailto:kd5de@nwla.com">kd5de@nwla.com</a>
Mobile . . . . .	Bob Bishchoff K4QHH #26040	180 Persimmon, Rutherfordton, NC 28139-9319	(000) 000-0000	<a href="mailto:rabisch@hotmail.com">rabisch@hotmail.com</a>
OM/XYL. . . . .	Marcus Lieberman, KM5EH #71103	2300 Hurley Drive NW, Albuquerque, NM 87120-1013	(505) 836-1724	<a href="mailto:buckml@lolo.net">buckml@lolo.net</a>
WAS . . . . .	Eva Donaldson, WB0CON #53964	12933 W Montana Drive, Lakewood, CO 80228-4244	(303) 989-0475	<a href="mailto:wb0con@comcast.net">wb0con@comcast.net</a>
WPX . . . . .	Ed Bryant, KM5FF, #50356	9001 Sunbow Ave SW, Albuquerque, NM 87121-8851	(505) 934-2100	<a href="mailto:elbble@gmail.com">elbble@gmail.com</a>
GB Counties ..	Mike Crawshaw, G4BLH #18446	Moved - New address coming	No Phone	<a href="mailto:g4blh@zen.co.uk">g4blh@zen.co.uk</a>
Scouts . . . . .	Rex Landreth, KD6FEC #77131	30 Alida Road, Braintree, MA 02184	No Phone	<a href="mailto:kd6fec@gmail.com">kd6fec@gmail.com</a>

## K7AZX – DOWN IN THE VALLEY

Back in February of 1997, a group of Amateur Radio operators in the Phoenix area got together with the idea of promoting communications on the 10-meter band. After doing some research, the existing organization called Ten-Ten International was discovered, and the result was the formation of club station K7AZX, the Arizona Desert Chapter (ADC) of Ten-Ten International. Ten-Ten international is all about the promotion of communications on the 10-meter amateur band and you can visit them for more information at <https://www.ten-ten.org/>

While Ten-Ten chapters have come and gone, the Arizona Desert Chapter has flourished. With a current membership of 400 world-wide, the chapter holds their weekly net each Sunday evening at 1800 Mountain Standard Time, and averages 30 plus check-ins each net. That's a lot of activity for the 10-meter band, and that's the whole point.

Those who check-in on a regular basis are added to the “ground-wave” check-in list, and appear on the club’s interactive website map as shown below.

To promote operator exchanges and comradery, the map programmed by webmaster Jeff Ronay, K7JGR, links each operator's circle to that operator's QRZ

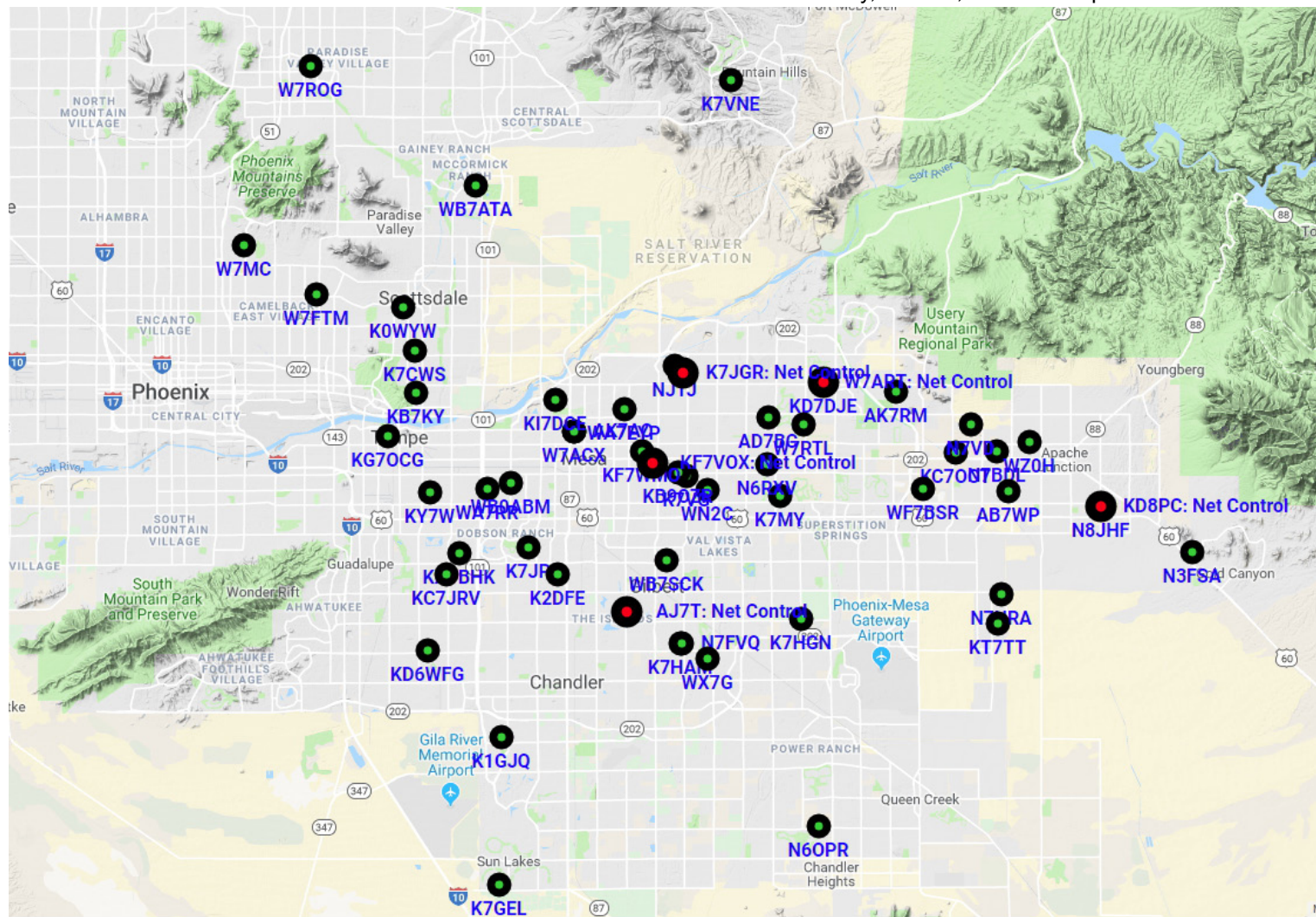


Figure 1 – The K7AZX interactive map. Visible at <https://k7azx.com/map.php>



page. "The map is a great way to get to know your neighbors, and is something all the members enjoy", according to Art Hoffman, W7ART – the current K7AZX Chapter Head and one of the net controls.

The ADC has five net control operators, rotating the net control duties one week per month, with the fifth operator filling in on the months that have a fifth Sunday. "It's nice to have the luxury of only taking the net once a month", says Ron McKee, AJ7T and Alternate Chapter Head, "and it's just enough so you find yourself anticipating your next turn at net control."

The other net control operators are John Jacques, KD8PC, Jeff Ronay, K7JGR, and JD, KF7VOX.

To keep the club going requires support services, and working as Certificate Manager is Serg Ticknor, W7MC and one of the founding members, and Kent Duffy, KA7BHK and co-web-master. The K7AZX license trustee is another founding member, Steve Gurley, KY7W.

I hope sharing our story will encourage others to form or join up their own net on 10 meters and explore 10-10 International, and I invite everyone to visit the station website at <https://k7azx.com> or better yet, join us on the air in the Phoenix area -- Sunday evenings at 1800 MST, on 28.445MHz, upper sideband.

73 - Jeff Ronay K7JGR #77545

## DAYTON HAMVENTION

Some pictures from this year's Hamvention.



Linda KA6SPS, Mel KD5DE, Karen W4KRN, Keith KR7RK, Gerry WA6POZ and Jason KR7JAS in the 10-10 Booth.



Hamvention attendees gather in front of the ICOM Booth.





## 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](http://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](http://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](http://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](http://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 \$25 or more you are eligible to receive a current year's lapel pin as a thank you gift. 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 centering 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:

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

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

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

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

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

## 5.2.5 TRANSMITTER INFORMATION

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

## 5.2.6 EXCHANGE

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

## 5.2.7 QSO POINTS

Two (2) points are awarded for contacts WITH a 10-10 number. One (1) point is awarded for contacts WITHOUT a 10-10 number. Duplicate entries should be retained in log and

show a zero (0) for points. Any log showing 10% or more errors may be handled as a check log. A station may be counted only once regardless of mode except during certain specialty events.

## 5.2.8 CHAPTER SCORE ASSIGNMENT

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

## 5.2.9 QSO PARTY ENTRIES

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR Mail to insure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a check log. Any logs received more than 8 days after the entry deadline, regardless of postmark, will be discarded. LOGS MAY BE SENT VIA Email and/or uploaded to the KJ4IZW contest scorer. Q95 files are not a proper format nor are they readable, therefore, they will not be accepted.

### 5.2.9.1 ENTRY DESCRIPTION

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

### 5.2.9.2 ENTRY DEADLINES

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

## 5.2.10 QSO PARTY RESULTS AND AWARDS

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

## 5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

These events run from January 1 0001 UTC to December 31 2359 UTC. In the Anniversary event, entrants may submit a log of contacts with members that have the anniversary year contained in their membership number. Example: 2010 is the 48th anniversary year of 10-10 International Net, Inc. Contact with members containing a "48" in their membership number (i.e., 72048, 69485, 64854, 48126, 00487) would count toward the event. Each year the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band. All general rules are applicable with the following exceptions: During the calendar year (January 1 through December 31) make legal 10-10 contacts with 10-10 Number, Date, Call Sign, QTH with members containing the anniversary year in their membership number as described above.

In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is permitted, regardless of mode of contact. In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.). All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call, Name, QTH and Mode, in that order. These events are for Individual entries as described in section 5.2.4 and certificates will be awarded for the TOP Ten, however all entrants will be listed in the 10-10 NEWS.

Logs MUST be postmarked no later than January 8th of the year following both the Anniversary and Meet the Volunteers events. Only members in good standing (with dues paid) are allowed to submit logs.

## 5.2.12 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 SPECIAL EVENT

**This event has been cancelled until propagation conditions improve.**

This special event operation is where volunteers operate the 10-10 official club stations (W6OI/VE9TEN/DL0X) seeking to work anyone anywhere. Any mode of operation is permitted. Many operators will be authorized to operate W6OI from most US states and VE9TEN from various Provinces/Territories simultaneously. DL0X is operated by Henry, DL8YBM. The purpose is to have fun promoting 10-meter activity making contacts with 10-10 members and of course, non-members. This is a great way to increase membership! Exchange is similar to any 10-10 QSO Party event - name, call, QTH, and 10-10 number if one is available. As contacts are made, provide info on the 10-10 organization and where to find our website - [www.ten-ten.org](http://www.ten-ten.org). If anyone wants to volunteer to operate W6OI during this event contact Jerry, N9AC. Members in Canada should contact Rob, VE9KM for permission to operate VE9TEN.

## 5.2.15 FOR MORE INFORMATION

Current information about 10-10 and upcoming 10-10 QSO Parties and events are always available on the 10-10 web site. Cover sheets, logging forms and dupe sheets are also available for downloading or printing at <http://www.ten-ten.org>. Any unanswered questions regarding the QSO Party rules may be forwarded to the QSO Party Manager.

# 10-10 QSO PARTY COVER SHEET

## QSO Party (select one):

- |                                       |                                    |   |                                       |
|---------------------------------------|------------------------------------|---|---------------------------------------|
| <input type="checkbox"/> WINTER PHONE | <input type="checkbox"/> SPRING CW | <input type="checkbox"/> SPRING DIGITAL | <input type="checkbox"/> 10-10 SPRINT |
| <input type="checkbox"/> SUMMER PHONE | <input type="checkbox"/> FALL CW   | <input type="checkbox"/> FALL DIGITAL   | <input type="checkbox"/> SPIRIT OF 76 |

## Contest Exchange:

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

## Entry Information:

Name: \_\_\_\_\_

Mailing address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_

State/Province/County: \_\_\_\_\_

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

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

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

## Entry Type (check one only):

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

## Claimed Score:

Contacts WITH 10-10 number: \_\_\_\_\_ X2 = \_\_\_\_\_

Contact WITHOUT 10-10 number: \_\_\_\_\_ X1 = \_\_\_\_\_

Total Contacts: \_\_\_\_\_ Total Pts: \_\_\_\_\_

## Submitting Logs:

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

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

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

**EMAIL to: [tentencontest@ten-ten.org](mailto:tentencontest@ten-ten.org).**

Members are encouraged to upload logs at the KJ4IZW contest scoring web site: [www.hamclubs.info/scorer](http://www.hamclubs.info/scorer).

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