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**Member
AMATEUR RADIO
NEWS SERVICE**



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Monitoring 28.8 and 28.38 MHz daily at 1800Z except Sunday

The 10-10 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 June 2015

Please email all articles and photos to: 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

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From The Editor

Randy Mather, AJ7B
 (#7675)

In the last few years that I have been reading the 10-10 International Net newsletter, I have always disliked the layout when reading it on a personal computer. The layout is fine for printing on an 8.5 x 11 piece of paper, but that makes the column lengths two long for easy viewing on a personal computer. Once you set the size so you can read the type on the screen, you have to scroll down to read the bottom of a column and then scroll back up to start the next column.

So I set about making the newsletter work for both print and the personal computer (PC). Those of you reading the electronic version of this newsletter are already noticing a different, but yet similar layout. A whole page fits on a normal PC screen. For those that like to print out the electronic version to read, you can still do that. The Adobe Acrobat file will normally printout in a landscape orientation and fill each 8.5 x 11 page with a full page of the newsletter. Hopefully this will please both the people who like to read a printed page and those who prefer reading on a PC screen.

This is not a file that will adjust to any screen size, such as smartphone, ipad, iphone and the like. Although that would be a wonderful step forward, the large number of tables and other layout considerations used in the newsletter make that impossible right now. So please try the new electronic form of this newsletter and then let me know what you think. You can email me at editor@ten-ten.org. I am sure there will be those that hate it and those that like it. You just don't know until you try.

Over the last few months I have been very active (when the band allows) checking into the 10-10 Net. Usually the 28.380 MHz net is heard out here on the west coast. I have started to get to know more and more members. Especially those net control operators who spend lots of time trying to herd those 10-10 cats. I also get to increase my collection of 10-10 numbers. Still not a VP yet but working on it. I still have a lot to learn about the membership and the organization. I hope to hear you on 10 meters.

73 - Randy.



From The President

Mel Sojka, KD5DE
(#33513)

UPPER LEVEL QRM

As I begin my third term as President it may be time to either reflect on the issues of the last four years, or simply move on full steam ahead. Like the good book says, you never look back while plowing a field. So a fresh start in a fresh year is in order.

The more time I spend between 28.3 and 28.5 the more I wonder about today's Amateur Radio. Has the definition of this service changed? I took off to the web to see if I could find a definition that described some of the current amateur population. The first place I looked was the FCC and here is their definition:

"The amateur and amateur-satellite services are for qualified persons of any age who are interested in radio technique solely with a personal aim and without pecuniary interest. These services present an opportunity for self-training, intercommunication, and technical investigations."

That did not seem to fit. So I went to wikipedia to see how the outside world views us.

"Amateur radio (also called ham radio) is the use of designated radio frequency spectra for purposes of private recreation, non-commercial exchange of messages, wireless experimentation, self-training, and emergency communication. "

My next effort was to go to my Handbook (1971) to see what the ARRL used to define it then.

"Amateur radio is a scientific hobby, a means of gaining personal skill in the fascinating art of electronics and an opportunity to communicate with fellow citizens by private short-wave radio."

I don't know about the readers, but some of the activities I observe on the air do not fit any of these definitions. Lack of courtesy, poor engineering practices, excessive power, and obnoxious signals (the only word that comes close to describing some PSK signals). My question is, did the definition change?

Well my final check was the current 2014 Handbook. Much to my surprise I found no true definition in Chapter One. So I went to the ARRL web site and found this definition: "Amateur Radio (Ham Radio) is a popular hobby and service in which licensed Amateur Radio operators (hams) operate communications equipment."

When I first heard about Amateur radio it was a hobby whose members were to be admired. Scientist, engineers, equipment builders, and electronic professionals were the par. When I first became a Ham it was a humbling experience. My Advanced class exam under the administration of the FCC was almost as intense as my Commercial Radio Second class exam. When I finally took my Extra in October of 2013, I found that I had wasted the money on a study guide. Read through the book twice and aced the exam. Didn't even need pencil, paper or calculator.

Personally, considering the current policies and standards, I don't think one can expect any more than what we have. Of course it is not my place to be critical, but what would our hobby be if they had retained the standards of the 70's and 80's. True, we might not have 715,000 plus licensed Radio amateurs in the US. But consider this, we had 677,392 in 1999. At that time CW was still required for entry. We were still growing in 2003 when the 20 WPM requirement was removed for Extra and above 650,000 when the code was completely dropped in 2007. Also, if I recall correctly, the FCC gave the exams until spring 2002. What if?

I did attend the All Arkansas Hamfest in September. Great show. We had several renewals and distributed many handouts. The success was due to having a very active chapter just south of Little Rock in Benton. 35 people signed the register. In October I drove over to Ardmore, OK. This was a new territory since it had been many years since any official contact had been made in the area. They offered us a forum slot, but it conflicted with another and drew no attendees. We did however make several renewals (38 signed the log) and distributed many copies of the newsletters and pamphlets.

The election for Directors went off without any problems. This was the first time that an electronic web based voting booth had been used and that was very successful. We had an increase of 60 percent in the ballots cast versus the last election 2 years ago. The majority of these, over 80 percent, were cast electronically. This was not an easy accomplishment and our Internet Director; N7YG spent over two years testing different approaches. You will note on page 2 that K5FBS, AD4RX, and KM5EH were re-elected. I welcome aboard WD8JKV Ray Moyer #20805 as a newly elected Director. Like me, over the years Ray has run for different positions within Ten-Ten and is very active in the Dallas, Fort Worth metroplex. Ray was responsible for the organization of the 1991 Ten-Ten Convention sponsored by the Republic of Texas Chapter, has attended nearly every convention and is a regular at the Dayton Hamvention.

He also is our liaison for the Texas Hamcom effort. I look forward to working with Ray over the next couple years.

This year we added some incentive awards. This has been done before and the BOD agreed that it would be suitable to repeat. We had Top Operator and Top Net Control each quarter, each was awarded a certificate. This was based on the number of times a call appeared on award applications over the quarter. A summary was made for the year in mid-November to meet the deadline for the January newsletter. There was a tie for the Top Operator for the fourth quarter: Tim Watkins W6WQA #6987 and Mike Davidson N5MT #24949. The Top Net Control for the quarter was Dan Wisner KC8IM #31959. These members put forth a considerable effort to increase membership without regard for personal gain.

The Top Operator and Top Net Control Awards for the year were based on the annual summary. Elsewhere in this newsletter, if available in time, will be an image of the awards. The winner in each category will get a plaque supplied by Ham Plaques, one of our supporting vendors. The Top Operator for 2014 is Tim Watkins W6WQA #6987. When the numbers were run it was found that 14 members had appeared 25 times or more on applications. The top Net Control for 2014 was Dan Wisner KC8IM #31959. Congratulations to both members for this accomplishment.

The next award is a surprise to all but a few. The Net control stations voted on the top relay station for 2014. This was the one member that provided the most assistance to the net control stations in the form of relays. I can attest to the winner's activity since he has relayed me in several times. The top Net Relay Station for 2014 is Tim Watkins W6WQA #6987.

I do hope that 2015 is a banner year for all our members. I thank each of you for the support.

God Bless & 73
Mel KD5DE #33513

Correction

In the last issue of this newsletter there was an incorrect call associated with one of our scholarship winners. Gary Pike's call is KA4KBX.

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.

NEW LIFE MEMBERS

01820	WA7OGY	Fred M Brown	OR
25725	KA3CAL	George E S Liebau II	FL
37552	N2AZW	William W De Rusha	NY
46221	KA7ICF	Jesse R Larsen	ID
48126	KC1PR	David I Bush	MA
61438	W9FBR	Robert A Cheever	IN
70708	W3AB	George M Badger III	CA
71586	WA7JBG	Peter R Thunem	OR
76142	KC2BLF	David J Green	KY
77135	VK7LAZ	Larry Hill Pridgen	DX



10-10 NET CONTROL STATIONS ALL NETS BEGIN AT 1800Z

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

Alternate	David, N4WDT	#76237	KY
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Sunday **NEVER ON SUNDAY**



Chapter Coordinator

Cliff Taylor, K5FBS
(#48461)

GENERAL NEWS:

- 1) If your chapter is planning a special sometime during the months of April, May, or June, please let me know and I will announce it in the next newsletter.
- 2) If you're looking for information on the Chapter Head, Certificate Manager or possibly the Correspondent of any currently affiliated chapter, just check the "10-10 Chapters" section of the 10-10 website.
- 3) During the months of October, or November and December 2014, the following chapters have sent in either quarterly reports or chapter updates, and, therefore, are alive and well: Arizona Desert Chapter, Bay Area, Cincinnati Area Ten Tuners, Cradle of the Confederacy Lonestar, Neanderthal, and New Waterkant. Many thanks to the officials of these chapters for keeping us up-to-date.
- 4) If your chapter is one of those in arrears in communicating with the Chapter Coordinator, please send in an update to your chapter. Non-compliance with the requirements of affiliation can result in your chapter's deaffiliation. With the number of chapters that have been declared non-affiliated or have gone QRT, we would hate to lose another.
- 5) For those using the MYLIST feature of WIN1010 here are the changes that need to be made:

CHAPNAME

Add 10-Bar-X
Delete BountyHunters
Delete Cypress
Delete Egyptian
Add Hanse
Delete Kansas Trails
Delete Margarita and Martini
Delete Outlaws on Ten
Delete Palmetto

Delete Southwest FL Moonshine Net

SEALNAME

Add Alii_KOA Kia'i
Add Alii KOA Kahiko
Delete Bounty Hunter_Deputy Marshall
Delete Bounty Hunter_Deputy Sheriff
Delete Bounty Hunter_Incarcerated
Delete Bounty Hunter_Marshall
Delete Bounty Hunter_Outlaw of Month
Delete Bounty Hunter_Posse
Delete Bounty Hunter_Sheriff
Delete Bounty Hunter_Vigilante
Add Branding Iron_BL
Add Branding Iron_DC
Delete Cypress_Convention
Add Hanse_HB
Add Hanse_HG
Add Hanse_HH
Add Hanse_HMS1
Add Hanse_HMS2
Add Hanse_HMS3
Add Hanse_HR
Add Hanse_HS
Add Hanse_HW
Add Hanse_Kogge
Delete Kansas Trails_100K
Delete Kansas Trails_125K
Delete Kansas Trails_150K
Delete Kansas Trails_175K
Delete Kansas Trails_200K
Delete Kansas Trails_25K
Delete Kansas Trails_50K
Delete Kansas Trails_75K
Delete Kansas Trails_Alcon
Delete Kansas Trails_Chisholm Trail
Delete Kansas Trails_Cooke County
Delete Kansas Trails_Cooke County Asgmt
Delete Kansas Trails_Farmer1
Delete Kansas Trails_Farmer2
Delete Kansas Trails_Four Corners
Delete Kansas Trails_Freight Goods 1
Delete Kansas Trails_Freight Goods 2
Delete Kansas Trails_Freight Hauler

Delete Kansas Trails_IAcon
 Delete Kansas Trails_MAccon
 Delete Kansas Trails_Military Trail
 Delete Kansas Trails_OR
 Delete Kansas Trails_Oregon Trail
 Delete Kansas Trails_Pioneer
 Delete Kansas Trails_Pony Express
 Delete Kansas Trails_Reno
 Delete Kansas Trails_Santa Fe Trail
 Delete Kansas Trails_Smoky Hill Trail
 Delete Kansas Trails_TNcon
 Delete Kansas Trails_WAS

Just a Reminder for Quarterly Reports Due During the Next Few Months;
 (January '15) Gold City; Republic of Texas; Up The Crick; (February '15)
 Colorado Frontier Gang; Gateway; Keystone Keystone Stars; Maine-iacs; North
 Georgia; Route 66; Speedway; (March '15) City of Lights; Kentucky Cardinal;
 Portland 500; Red River Valley (Steamboat Plus); Springbok; (April '15) Aloha;
 Bauxite; Boomtown; Cowtown; New Mexico Mud Ducks; Oklahoma Route 66
 Chapter; Steel City; Windfarms.

Quarterly Reports Past Due: (December '11) Pikes Peak Ten-Ten, (April '12)
 Boomtown; Steel City; (January '13) Republic of Texas; (April '14) Bauxite;
 Oklahoma Route 66; (June '14) Channel Islands; (July '14) Battle Road;
 (September '14) Down Under November '14) Electric City; (December '14)
 Possum Trot; Sky Blue Waters/Tin Lizzie; Twin Cities; Tango

CHAPTER NEWS:

Major League Baseball, As NCS is now located in Arizona, the ZSUM and
 ZWIN are 1800.

Neanderthal Chapter, New CM is Nick Cox, PA2NJC. PA2NJC@GMAIL.COM.

Chapters that Accept Upgrades Via Email ((As of 01 September 2014))

All of 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 to be on the safe side, a detailed listing of the upgrade should be kept in
 the event that the CM should require verification. Requirements peculiar to a
 particular chapter are noted.

(* indicates change)

Alii - CM WH6S, wh6s@hawaii.rr.com. Use form available from the CM.

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Bauxite - CM K5BKT, k5bkt@nwla.com - Bauxite and Arkansas Visitor #s only

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Boomtown - CM N5EBA, ed_cisse_neal@yahoo.com

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

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Chesapeake Bay - CM N3TGB, n3tgb@aol.com

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New Waterkant - CM DK7LA, dk7la@t-online.de

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Oregon Trail - CM W7HO, w7ho@w7ho.com or w7ho@arri.net

Portland 500 - CM W7HO, w7ho@arri.net or w7ho@w7ho.com

Republic of Texas - CM WD8JKV, ray.moyer@sbcglobal.net

Restoration Project - CM VA7SJ, cocjurassic@shaw.ca

Sky Blue Waters & Tin Lizzie - CM KA0ZIA, sbwtl1010@gmail.com.

Santa Fe Trail - CM KA9PCU, ka9pcu@centurylink.net

Space Coast - CM K5FBS, k5fbs@yahoo.com

Speedway - CM W7CAR, w7car@yahoo.com

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Steel City - CM KE9WZ, ke9wz@windstream.net

Trail Driver - CM N5SCA, n5sca@sbcglobal.net

Twin Cities - CM K0DBK, kzerodbk@gmail.com

These addresses are as current as the information you provide. If there are any additions, corrections or deletions to this list please contact the Chapter Coordinator, K5FBS, Cliff Taylor via email at k5fbs@yahoo.com or via "snail" mail to 179 Mystic Lane, London, KY 40744-9517.

These addresses are as current as the information you provide. If there are any additions, corrections or deletions to this list please contact the Chapter Coordinator, K5FBS, Cliff Taylor via e-mail at k5fbs@yahoo.com or via "snail" mail to 179 Mystic Lane, London, KY 40744-9517.

TEXHOMA HAMORAMA - OCTOBER 24- 26, 2014



Coy N5OK #9859 and Lloyd KC5FM #10231 man the Ten-Ten International table at the Texhoma Hamorama in Ardmore Oklahoma. Coy is on the ARRL DX Advisory committee and Lloyd is the ARRL OK Section Manager.



Net Report

Bob Farrow, N6OPR
(#45715)

Unfortunately, Bob's computer crashed and was unable to create a net report this quarter.

10-10 NET CONTROL STATIONS ALL NETS BEGIN AT 1800Z

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

Alternate	David, N4WDT	#76237	KY
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Sunday **NEVER ON SUNDAY**

**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!!!**

NET CONTROL STATIONS NEEDED

Needed: Net Control Stations for the 28.380 and 28.800 Nets at 18:00 UTC Monday-Saturday. If interested contact N6OPR via email: n6opr@msn.com.

TEN - TEN NET GUIDE

As of September 1, 2014

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq	DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SUN	0300	0400	Chief Seattle	Seattle, WA	28430	TUE	1800	1800	Electric City	Melbourne, FL	28425
SUN	1300	1400	Arlington	Arlington, VA	29200	T/W	2330	0030	Republic of Texas	Eules, TX	28560
SUN	1400	1500	Neanderthal/ Springbok	Leichlingen, DL	28355	T/W	2330	0030	Minuteman/Old Ironsides	Saugus, MA	28409
SUN	1430	1430	Cincinnati Area Ten Tuners	Milan, IN	28960	WED	0001	0100	Castle Craig	Meriden, CT	28375
SUN	1630	1730	Possum Trot	Raeford, NC	28345	WED	0100	0100	Cincinnati Area Ten Tuners	Milan, IN	28800
SUN	1700	1800	Major League Baseball	Gilbert, AZ	28375	WED	0100	0200	Houston SHOT	Houston, TX	28488
SUN	1800	1900	Portland 500	Portland, OR	28350	WED	0100	0200	Gateway	St Louis, MO	28650
SUN	1900	2000	Oregon Trail	Dallas, OR	28803	WED	0200	0300	10 Bar X	Canutillo, TX	28445
SUN	1930	1930	North Georgia	Atlanta, GA	28610	WED	0300	0400	Chief Seattle	Seattle, WA	28430
SUN	1930	2030	Steel City	Eubank, KY	28420	WED	1430	1430	Branding Iron	Bergamen, DL	28345
SUN	2030	2030	Santa Fe Trail /Springbok	Galesburg, IL	28380	WED	1700	1700	Gold City	Rutherfordtown, NC	28425
SUN	2100	2200	Possum Trot	Raeford, NC	28150 CW	WED	1700	1800	Channel Islands	Oxnard, CA	28340
MON	0001	0100	Chesapeake Bay	Chestertown, MD	28435	WED	1930	1930	Route-66	Boonville, IN	28370
MON	0100	0100	Arizona Desert 10-10 Net	Phoenix, AZ	28445	WED	1930	1930	Windfarms	Livermore, CA	28485
MON	0100	0100	Milwaukee	Milwaukee, WI	28365	W/T	2359	0059	Battle Road	Mason, NH	28390
MON	0100	0100	Lonestar	Arlington, TX	28460	THU	0001	0001	Cradle of the Confederacy	Pike Road, AL	28350
MON	0130	0230	Bauxite	Benton, AR	28470	THU	0100	0200	Gateway	St. Louis, MO	28650
MON	2030	2030	Space Coast	London, KY	28355	THU	0100	0100	Cow Town	Arlington, TX	28460
MON	2330	2330	Sky BI Wtr/Tn Lzz /Twin City	Inver Grove Heights, MN	28380	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
TUE	0001	0001	Branding Iron	Kemper, TX	28325	THU	0100	0200	Channel Islands	Oxnard, CA	28340
TUE	0001	0100	Ft McHenry /Cornerstone /Yodar Kritch	Arbutus, MD	28370	THU	0230	0330	Windfarms	Livermore, CA	28485
TUE	0100	0200	CO Centennial /Frontier Gang	Lakewood, CO	28340	THU	0230	0330	Up The Crick	Eugene, OR	28450
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	THU	0300	0400	Chief Seattle	Seattle, WA	28430
TUE	0130	0230	City of Lights	St Charles, IL	28720	THU	1930	1930	Speedway	Rainier, OR	28350
TUE	0130	0230	Bauxite	Benton, AR	28470	THU	2000	2000	Branding Iron	Kemper, TX	28345
TUE	0130	0230	OK Route 66	Oklahoma City, OK	28390	THU	2000	2000	Fort McHenry /Cornerstone /Yodar Kritch	Arbutus, MD	28370
TUE	0300	0400	Bay Area	Hayward, CA	28475	FRI	0001	0100	Pikes Peak Ten Ten	Colorado Springs , CO	28390
TUE	0430	0430	Aloha	Hilo, HI	28490	FRI	0310	0410	Kentucky Cardinal	Russellville, KY	28600
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835	FRI	0310	0410	Kentucky Cardinal	Russellville, KY	28480
TUE	1630	1730	Chief Seattle	Seattle, WA	28430	FRI	1400	1400	New Waterkant	Boerm, DL	28355
						FRI	2230	2130	Down Under (Summer in NZ is Winter in US)	Auckland, ZL	28530
						SAT	0001	0100	MAINE-iacs	North Haven, ME	29777
						SAT	0300	0400	Chief Seattle	Seattle, WA	28430

DAY	ZSUM	ZWIN	Chapter Name	Location	Freq
SAT	1330	1430	Springbok	Abingdon,, VA	28385
SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430
SAT	1400	1400	Hanse	Hamburg, DL	28355
SAT	1500	1600	Republic of Texas	Eules, TX	28460
SAT	1510	1610	Louisiana Pelican	Livingston, LA	28450
			10-10 Net		
SAT	1600	1700	City of Roses	Ridgfield, WA	28835
			Portland Bridges		
SAT	1630	1730	Boomtown	Burkburnett, TX	28402
SAT	1730	1730	Tango	Buenos Aires, LU	28650
SAT	1800	1800	Keystone/Keystone Stars	Brea, CA	28765
SAT	2000	2000	Restoration Project /Feline Friends	Port Alberni, BC	28750
SAT	2200	2200	Alii	Lihue, HI	28730

All changes to the above times and/or frequencies should be referred to the Chapter Coordinator if you desire your net information to be accurate. Chapter Coordinator: K5FBS, Clifford A Taylor, 179 Mystic Lane , London, KY 40744. E-mail: k5fbs@yahoo.com.

There are also various 10-10 daily SSB nets (except Sunday) on 28.800 and 28.380 MHz. Information on these nets showing day of week and net control stations is listed under the category "Daily Nets" on the website.

In The News

HAMFEST SCHEDULE Jan - Apr 2015

Ten-Ten International will have an official presence at the following events. If you have a local event and would like an official to attend or would like supplies to hand out at a table please contact WN4AMO.

February 13 - 15

Orlando Hamcation

Orlando, FL

Ten-Ten Top Operator Award

This award is based upon the number of times a member's call appears on new member 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 stations and one for the current members at large.

This quarter there is a two way tie for the Top Operator award: **W6WQA Tom Watkins #6987** and **N5MT Mike Davidson #24949**. The Top Net Control award for the quarter goes to **KC8IM Dan Wisner #31959**.

Top Operator for 2014: **Tim Watkins W6WQA #6987**.

Top Net Control for 2014: **Dan Wisner KC8ICM #31959**.

NEW AWARD ----- NEW AWARD ----- NEW AWARD

This year a new award was created for the Top Relay Station. The one member, who during the year, provides the most assistance to the net control stations.

Top Relay Station for 2014: **Tim Watkins W6WQA #6987**

THE AMATEUR'S CODE by Paul M. Segal, W9EEA (1928)

The Radio Amateur is:

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

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

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

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

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

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



DX News

Mike Davidson, N5MT
(#24949)

Many DX'ers have used the DX Summit website since 1998 to help them find that rare new country on the Internet! The website changed its name and looks in November so you now have to go to the new name: New.DXSummit.fi . The website displays DX calls for all bands and modes, so you may need to set a filter if you only want one band or one mode. Use the HELP function if needed. This website is used during all contests to spot calls and any band or net activity for all to see. It is not just for DX but for helping you work a new one or just to find a friend.

The upgraded MY DX SUMMIT introduces an easy-to-use propagation forecast tool that users can use to watch the HF spectrum better. Ken K4ZW #18573, will host a Webinar in early December to explain the essence of MY DX SUMMIT and its prop prediction tools for ham radio. Thanks to Radio Arcala for this website and all the time and money it has saved us over the years!

Since MY DX SUMMIT is a sponsored website, you do have to live with the advertisements. So enjoy the DX this winter, Europe has been strong for the past month and the flux has been much higher than expected/predicted.

The December solar flux prediction has been revised up from the previous NOAA published forecast. A flux level of 174-185 peaked the last week of November with peak days on the 16th, 23rd, and 27th. So what does the Ten Meter contest hold for us as to propagation? The best guess is a solar flux of 140-155 with a chance of a flare. The winter contest season began in October and we have been hearing Europe almost on a daily basis in the USA since then because of the higher solar flux.

The US Fish & Wildlife Services has announced that ham radio will be allowed from Navassa Island in 2015. Navassa is located forty miles west of Haiti and this two square mile island is the number two most wanted DXCC country after P5 North Korea. There has been only one 10-10 member worked from Navassa Island many years ago. A group now has permission to operate a DXpedition on the island in January 2015. See future activity for KP1 below.

Ralph Fedor K0IR #2609, has put together a video about DXing and

DXpedition. You can watch it at: <http://www.youtube.com/watch?v=k4dJcK-WVRw>.

Countries Award: There was one Basic Countries Award and three upgrades issued to two members this past quarter. All are taking advantage of the NO QSL cards required for awards. When you apply for any 10-10 award, you must have your dues paid up and use a form at the 10-10 website or use approved software that prints the correct forms for emailing.

GENERAL 10-10 DX REPORTED IN THE PAST QUARTER:

3D2 Rotuma. Tony 3D2AG #72719, was going to Rotuma Island from September 12-26th as 3D2AG/R.

4W East Timor. Jon K7CO #50822, was in East Timor from October 19-31st. This is one of those rare 10-10 locations that you do not want to miss, so good luck with Jon in October. Website: www.nielsen.net/4w.

5W Samoa. Cliff KD6XH #4427, was operating with friends in the CQ WW SSB contest on all bands.

7O Yemen. Dmitry KP2P/7O2A #54234, was on Socotra Island off Yemen from November 26-30th. This is a very rare country in Africa so be sure to work him on any band you can.

9N Nepal. Joel F3CJ #36180, hoped to operate 9N4CJ sometime between September 24th and November 4th from Kathmandu, Nepal. Joel was mountain climbing from Oct 7-24th and did not operate his radio while climbing.

A2 Botswana. Frosty K5LBU #51322, was in country in early September for a seven day trip. LoTW

CY0 Sable Island. Randy N0TG #12990 and WD4DAN operated again from Sable for only 8 hours on September 8th. All depended on the airplane landing on the sandy beach under the control of Parks Canada.

E6 Niue. Graeme VK4FI/E6SG #37824 and Alan VK4WR, were on Niue from November 2-9th used a dipole for ten meters on CW and SSB.

F France. Pascal F5HNQ #49138 and friends, were on Oleron Island with a special call TM32O from September 21- 26th. Activity was SSB & digital modes.

FT Tromelin Island. The DXpedition to Tromelin in October was hard for the USA to work on Ten. Flo F5CWU #71812 was on Tromelin for ten days from October 30th to November 10th. The group erected four stations using call sign FT4TA on this small island in the Indian ocean near Madagascar. This was the second time a 10-10 member has been on this remote French island! Website: <http://www.Tromelin2014.com>.

HH Haiti. Dale N3BNA #32100 and Doug K1OY #4484, were active during the CW DX contest the end of November. They used a special call of 4V1JR from the Haiti Radio Club.

HI Dominican Republic. Mike W0MU #23887, was in Dominican the last two weeks of November, running a low power operation with wire antennas.

HS Thailand. Fred K3ZO/HS0ZAR #8859, was with friends for the CQ CW contest at the end of November.

J6 St. Lucia Island. Chas K9AW #3620 was in the CQ CW contest at the end of November with call J6/K9AW.

KL7 Alaska. David NN1N #20015, was active as KL7RA during the CW DX CW contest at the end of November.

KP2 US Virgin Islands. Fred K9VV #8707, was with friends in the Virgin Islands for the CQ CW DX contest in November using call NP2X.

KP4 Puerto Rico. Several ops will use call NP4Z during the CQ CW contest at the end of November. The only 10-10 member was Mike K9NW #29804.

P4 Aruba. John W2GD #14109, was on Santa Cruz Island for the CQ CW contest November 29th. This makes 106 trips to Aruba for John, so good luck. Scott W4PA #40521 and Brad WF7T #75294 will use PJ4Q during the CQ CW contest and other times just PJ4/call. Look for Brad to be active on the digital modes.

PJ4 Bonaire. Dennis K2SX #9023 and John K4BAI #45389, were on Bonaire for the CQ CW contest at the end of November. Contest call was PJ4A.

SV Greece. John SV3AQR #64628, has been worked several times with a 59 signal into Texas around 28450 MHZ about 1330 UTC this past quarter on SSB.

TA Turkey. A group of Bulgarian ops with help from two Turkey ops will be on Bozcaada Island from November 23rd to December 1st using call TC0A. Look for Nick LZ3ND #72407 as the only 10-10 member of the group. Web site is: <http://TC3A.alle.bg>.

V3 Belize. Dennis KT5S #17181, was back in Belize during the last week of September as V31NX.

V7 Marshall Islands. Tim NL8F/V73TM #32796 and Paula NX1P, were on Majuro Atoll from November 25th to December 2nd using a HFV9 vertical on the beach.

VE Canada. Mike K1IU/VE9 #60241 was active from September 1-14th mostly CW and digital modes.

VP9 Bermuda. Ray ND8L #16810 and friends were in Bermuda from September 24-29th using call VP9I during the RTTY contest otherwise homecall/VP9. Bill K2HVN/VP9 was in Bermuda from November 3-10th.

VR Hong Kong. Jeff K0UU/VR2UU #68974 is now working in Hong Kong for the next two years. He lives in a high rise and uses a K2 radio to a long wire. LoTW.

YN Nicaragua. Mike AJ9C/YN2CC #41205, was back in Nicaragua from November 25th to December 3rd. He likes to work the CQWW CW contest that weekend.

ZL New Zealand. Club Otago NZART ZL4AA #23512, celebrated the first radio transmit from Gt. Britain to New Zealand 90 years ago. They operated and logged contacts from October 11-18th. Good luck.

ZW/PY Brazil. Dennis W1UE/ZW5B #10948, was in Brazil for the CQ CW contest at the end of November.

UPCOMING DX & NEW 10-10 ACTIVITY:

1S Spratly Islands. Billy WE6DX #64115, will be the only 10-10 member of a group going to Spratly Islands next year in April 2015 so good luck.

3W Vietnam. Bruce AA4XR/3W3B #11635, will be in the ARRL DX CW contest February 21-22nd. He now lives in Da Nang and uses the LoTW system to QSL.

9M2 Western Malaysia. Rich PA0RRS #24343, will be on Penang Island from January 1st to February 4th using call sign 9M2MRS on CW and RTTY. LoTW.

E6 Niue. Haru JA1XGI #55571 will be in Niue from December 1-6th mostly on CW and digital as E6XG.

JW Svalbard. Rene DL2JRM #69623, will be in Spitsbergen, SVALBARD from February 18-25th. Rene will operate all modes.

KP1 Navassa Island. Finally after twelve years of requests, a DXpedition has been authorized to take place in January 2015 for two weeks. Details at: www.NavassaDX.com. Landing by ship is dangerous as high cliffs surrounding the island. A twenty five foot steel ladder goes down to the water acts as a landing point. Therefore, a helicopter will be required for landing all ops and equipment on the island. No one lives on the island, the old lighthouse has lost its roof but the light building stands ok. Look for: Ralph K0IR #2609, Bob K4UEE #75256, John K6MM #13853, and John W2GD #14109 as the 10-10 members in the group. Good luck.

OZ/5P Denmark. Volker DJ8VW #69216, will be on Romo Island IOTA EU-125 from December 6-21st. He will use call sign 5P8VW on CW and SSB. QSL direct or LoTW.

T19 Cocos Island. Jon K7CO #50822 will be on Cocos from February 16-23rd with two friends using call T19/3Z9DX. The Website is: www.nielsen.net/T19A.

VQ Diego Garcia Island. Bob N7XR #26991, will be back on Diego Garcia on

December 3rd for three weeks using call VQ9XR or V92XR with his IC-7600 into a SpiderBeam. Website: <http://www.Wake-Diego2014.org>.

MISCELLANEOUS ITEMS & NOTES:

Propagation forecast: <http://www.solen.info/solar/>.

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

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

Propagation: Over the past eleven months, average propagation was about the same as during the first peak of the cycle in November 2011 when the monthly average flux reached 153.5. The maximum flux was 193.5 in February and 181.4 this November. The solar flux has been higher than expected due to more solar flares occurring on the sun surface! I expect the solar flux to range from 130-180 this next quarter, which is the same as the past three months. Since we have been hearing Europe this fall on a regular basis, this has helped increase our contest scores above last year! On December 1st the solar flux was 168, the A index was 10 and K index 2. Look for the best conditions: December 17-19th; January 2015 11-13th; February 2015 7-9th; March 2015 2-5th. Conditions for the 2015 Winter QSO Party look like a flux of 150-160 for the February 7- 8th contest which will be equal to the 150 level we had in 2014. Over the next three months, for USA stations, expect a 50-70% chance of DX in the mornings to Europe or Africa and the same chance into Asia, South America or the Pacific in the late afternoon. To see what DX paths are open, listen for the beacons from 28.175-28.300 (especially 28.200).

NEW 10-10 DX MEMBERS' SEPTEMBER TO NOV. 2014:

Sept.: None; Oct.: 77132 DL0DMB, 77135 VK7LAZ; Nov.: 77145 VE3WLE, 77149 DJ1AM, 77150 DF0GDH, 77151 DK0ZGH, 77152 DL0GDT, 77167 VE3PYJ, 77168 DL9AAI.

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

E-mail: N5MT@aol.com.

DX IS! 73 Mike Davidson N5MT #24949

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TEN Meter Beacons

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

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

73 Bill WJ5O

IARU Region 2 HF Beacon Coordinator

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

QSL Bureau News

Are you wondering if you have QSLs and/or envelopes at the QSL Bureau?

On the 10-10 Web page is a tab for "Resources". Under that is a tab for "QSL Bureau". On the QSL Bureau page is a box that if you type in your call sign, it will tell you the number of cards and envelopes that are at the bureau.

<http://www.ten-ten.org/qslbureau.php>

With poor band conditions the past few years, QSL activity has been slim. With the current band improvements, I expect activity to pick up. With this improved activity, I recommend that you get 1 or 2 envelopes on file at the bureau.

Before sending QSLs to the bureau, it is a good idea to check to see if those hams have envelopes at the bureau. You can do this by using the box mentioned earlier in this article. If you send QSLs to hams without envelopes at the bureau, your QSLs will just sit at the bureau.

It should be noted that you do not have to be a current paid 10-10 member to use the QSL Bureau.

You can make QSOs on any band with other 10-10 members and use the bureau for your QSLs.

Please direct all questions/comments to the QSL Bureau Manager, Terry Webb, at n0twterry@yahoo.com.

Use the following address to send QSLs and envelopes to the Bureau:

Terry Webb
1103 Fulford Road
Monticello, FL 32344-4352

SKEWED PATHS TO FT5ZM ON 10-METERS

Thanks to the second peak of Cycle 24 (which has turned out to be higher than the first peak), we had an excellent opportunity on the higher bands to work the January/February 2014 FT5ZM DXpedition to Amsterdam Island in the southern Indian Ocean.

If you worked them on 10-Meters, you may have found that the beam heading to them was not the true short path heading. I worked them to the east, which is my true short path heading. But N4II in Florida worked them on a northeast heading, not on his true short path heading to the southeast. And AA7XT in Colorado also worked them to the northeast – whereas his true short path is to the west since he is west of the longitude of the FT5ZM antipode. Figure 1 shows true short paths (the blue lines) to FT5ZM out of K9LA, N4II and AA7XT (with the blue stars indicating these three US QTHs).

FT5ZM is the red dot in the southern Indian Ocean. The three great circle paths from K9LA, N4II and AA7XT are superimposed on contours of the 3000 km MUF (maximum useable frequency) for the F2 region of the ionosphere on February 1 at 1445 UTC – about when all three of us worked FT5ZM. For the record I forced the model of the ionosphere (where the MUF values come from) to agree as well as possible with the ionosonde data from Perth (Western Australia) at the same date and time. The cross-hatched area (kind of tough to see) is the dark ionosphere.

Any point on Figure 1 can be considered the mid point of a 3000 km hop via the F2 region. The value at that point (interpolation is needed between the contour lines) is the MUF over this 3000km hop length. For a shorter hop, the MUF will be a little lower since the wave encounters the ionosphere at a slightly greater angle. For a longer hop, the MUF will be a little higher since the wave encounters the ionosphere at a slightly smaller angle. For example, the MUF for a 4000 km hop (the typical limit of a hop at the higher end of the HF bands) is about 10% higher than the 3000 km MUF. I mention this as our propagation predictions use 4000 km hops for predicting F2 region openings.

This concept of using 4000 km hops comes from the fact that it has been found from many observations that F2 region propagation beyond 4000 km does not appear to fail until the ionosphere fails to support propagation at one of two 'control points' on the great circle path at 2000 km from each end. This is the reason why there are red circles on Figure 1 centered on FT5ZM, N4II, K9LA and AA7XT. The circles have a radius of 2000 km, and thus are the control points around the compass for paths out of these four locations. If the MUF is very close to 28 MHz at the two control points at each end (remembering to take into account the 10% increase from the previous paragraph and allowing for the daily variation), then F2 region propagation is likely for the entire path.

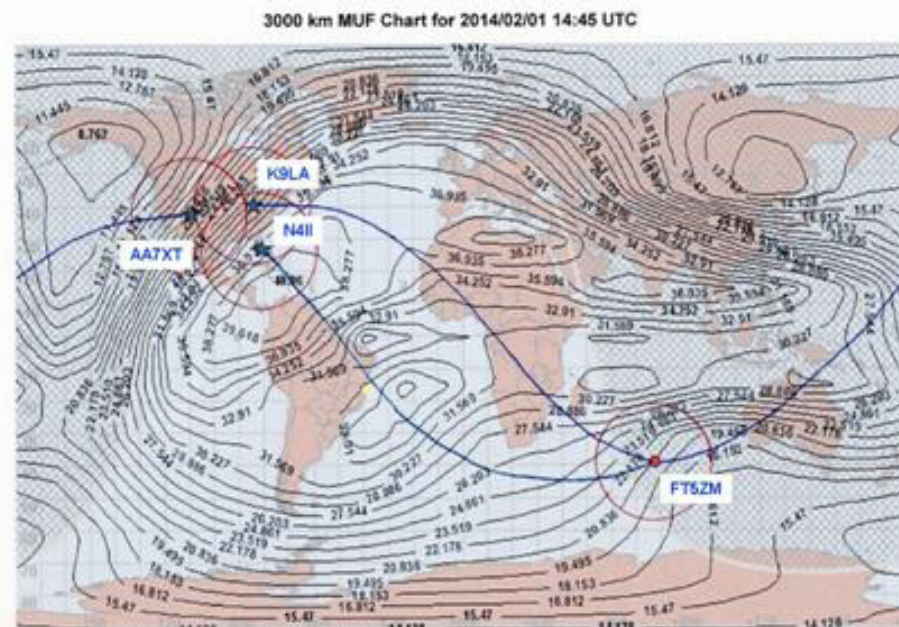


Figure 1. Great circle short paths to FT5ZM

From the red circle around FT5ZM we see that headings from about northwest through northeast are the only ones that could support 10-Meters at the given time of day because of generally lower MUFs at higher southern latitudes. In actuality this is pretty much true for the entire day at FT5ZM. Thus the great circle path to N4II is not available, even though the N4II end can support 10-Meters. Also, the great circle path to AA7XT is not available at either end. Finally, the great circle path to me (K9LA) is right around 28 MHz (remember to increase the Figure 1 value at FT5ZM by 10%).

This tells us why N4II and AA7XT did not work FT5ZM along their short great circle paths. The N4II end could support 28 MHz but the FT5ZM end could not. AA7XT was hit with a double whammy – neither end could support 28 MHz.

Now let's use the actual reported headings out of N4II and AA7XT, and put them on the MUF map in Figure 1. Figure 2 does this.

For N4II, his red circle still shows his end of the northeast great circle path can support 28 MHz. For AA7XT, his red circle now shows his end of the northeast great circle path can support 28 MHz.

Note that I extended these reported headings out of N4II and AA7XT until they intersected over northern Africa. This suggests that this is the area in which the skew of each path took place to put it onto a great circle path into FT5ZM. I also took the liberty of adding the great circle path out of FT5ZM to this intersection

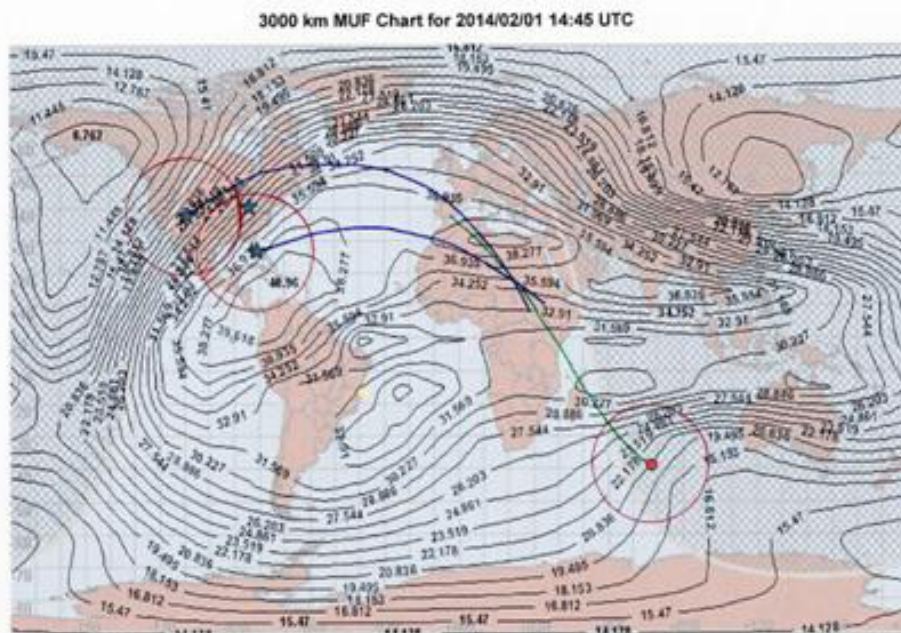


Figure 2. Worldwide F2 MUF with skewed paths

(highlighted in green). The heading out of FT5ZM to this skew point can support 28 MHz.

This area being the skew point makes a lot of sense, as it's in the equatorial ionosphere, where the highest electron densities exist. A quick look at the horizontal electron density gradients in this area suggests refraction is not the skewing mechanism. It is more likely that reflection with some loss (or even scatter) was the skewing mechanism.

Now we have a good idea of what enabled the skewed path. The RF from N4II and AA7XT headed out on headings that could support 28 MHz and skewed (thanks to the robust equatorial ionosphere) onto a heading into FT5ZM that could support 28 MHz.

The lesson to learn here is to always check other headings – the true short path or even long path may not be open, but a skewed path may be open – and it will likely be to an area where the electron densities are higher. Try it – you may be pleasantly surprised.

Carl Luetzelschwab K9LA

THE 1950S, AMATEUR RADIO'S GOLDEN ERA

Well, well, ham radio is now over 100 years old! Yes, the FCC began licensing hams in December of 1912 although some were broadcasting prior to that time utilizing spark gap transmitters. Amateur radio operators have been the pioneers of radio development and innovation throughout the years. Technology has certainly changed the face of our hobby. And what is most exciting is that our numbers have been increasing. Interest is on the rise and it is possible that digital modes may be a factor today. No doubt the volunteer examiner program and no code licensing have contributed enormously to the boom in recent years as well. In spite of the no code licensing, I'm happy to report that CW is still very much alive and well.

Amateur radio has had many great years of growth. But I would like to focus on what I like to call the golden era of ham radio, the decade of the 1950s and into the 1960s. I have been licensed for 57 years and had the privilege and excitement of operating in the 1950s as a newcomer. You might ask why I call those years the golden era. There were three major factors for this assessment. First, many of you who know your ham radio history know that during World War 2 amateur radio operators in the United States were silenced by our government for security reasons. Hams were off the air until after the war ended. It was a total blackout. So, by 1950 many hams had with great excitement returned to the airwaves. Secondly, HF propagation was at an historic high as a result of a phenomenal solar cycle. The bands were jam packed with signals from end to end. Third, there was a tremendous influx of newly licensed hams with the introduction of the novice class license. It was the perfect storm for amateur radio, particularly in the U.S.

Radio manufacturers jumped on the bandwagon at that time with a proliferation of new American made ham gear. Many of us are very familiar with names such as R.L. Drake, E.F. Johnson, National Radio, Hammarlund, Hallicrafters, Clegg, Ameco, Heathkit and many more. Today, these radios are prized collectables. One can come across many of these radios at hamfests throughout the country and many are still on the air. They all contained vacuum tubes. Solid state was non-existent. Many hams had even assembled their own "home brew" radios, since parts were still readily available from many suppliers. There was also a proliferation of military surplus radios from the war which were made available to the consumer.

In 1951, the FCC had restructured licensing into six named classes. Most notable was the new Novice class entry level license. On HF it permitted code transmissions only, with a maximum power of 75 watts input to the transmitter's final amplifier stage. The transmitter had to be crystal controlled, one crystal for each specific frequency. Novices initially could transmit Morse code only on small segments of the 80 and 11 meter bands. By 1954 Novices had CW privileges on 80, 40 and 15 meters and voice privileges on 145-147 MHz. To

qualify for a Novice license, a candidate would have to pass a 5 word-per-minute (WPM) Morse code test (send and receive) and a 25 question multiple-choice test. The test was first given at an FCC field office. From 1954 on it was administered by any higher class licensed ham who then sent the exam to the FCC for grading. The Novice Class license for several years was valid for only one year and was non-renewable. The Novice was expected to move up to General class to stay on the air. Tens of thousands of new Novices hit the airwaves and many did eventually upgrade.

My experiences as a new Novice were quite memorable. I had a very crude home brew station which took me many months to assemble. I was a young teenager with very limited funds. When my Novice ticket finally arrived from the FCC (it took 12 weeks) my station was complete and ready to go. It consisted of a 12 watt 40 meter CW transmitter with one crystal and a three tube Knight Kit Space Spanner regenerative receiver and a dipole antenna. The receiver was quite broad banded and it seemed like I was hearing the entire Novice band with the tuning dial set in one position. Hearing as many as two dozen CW stations at once made it quite difficult to copy most of my contacts. Over 50% of my QSOs ended in lost contacts. But, I'll always remember my first contact. I was living in the Boston area at the time. After sending out countless CQs, I finally heard my call sign. The station calling was KN2YXY (the N in the call sign prefix indicated Novice class) and he was from Freehold, New Jersey! Wow! DX! My hand was shaking and my palm was sweaty as I was tapping on my military surplus J-38 CW key. I was desperately trying to send my mailing address so that I could get his QSL card, which I eventually did receive. It's very special and I still have it to this day. In fact, I still have my original Novice station today. To me it's priceless.

Even though new Novices were supposed to be proficient at sending and receiving 5 WPM, most of us were at the 2 to 3 WPM speed during our on the air contacts. I guess it was primarily nervousness. A typical transmission would last at least 15 to 20 minutes and consist of transmitting an RST report and name and address. And many words were repeated three times. "Name name name is Bill Bill Bill. RST RST RST 469 469 469". RST reports were not overly generous but they were certainly quite accurate none the less. No one ever got a 599. The other station would respond (if he was still on frequency) with "RRR OK OM. Solid copy. But, please repeat ur name, QTH, and my RST". What!

A lot of my contacts were made starting at 4 o'clock in the morning. That was because there was significantly less QRM on 40 meters than during the evening hours and also signals were coming in from greater distances. But, all my contacts were still east of the Mississippi. My folks thought I was crazy. So did my brother. But, I was having a thrilling experience, anyway. And that's what it was all about. I did have a problem staying awake in school, though.

I must admit that in my old age I've gotten a bit lazy. I don't build as much as I

used to. I have a very modern high end made in Japan HF radio with features that are beyond my ability to comprehend. Unfortunately, this radio like all radios of today is lacking something I sorely miss, toggle switches. Not one toggle switch! Whatever happened to toggle switches? But, at least it's not crystal controlled.

I'm sure ham radio will continue to thrive for another 100 years and beyond. The radios will change, of course, but the excitement will never fade. The ionosphere will always be there. Happy ham radio anniversary and best DX OM's.

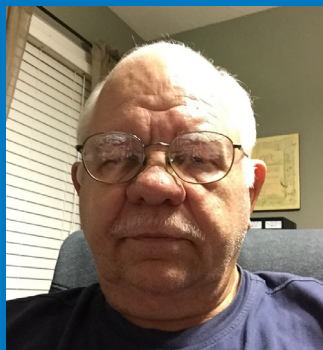
Lew Nyman K1AZE

K1aze@ARRL.net

LITTLE ROCK HAMFEST - SEPTEMBER 20, 2014



Peg K5KBT #64386 and her OM WD5C Larry #21786 at the Ten-Ten International table in Little Rock Arkansas for the Hamfest. Peg is the Certificate Manager for the Bauxite Chapter in Benton AR. Fourteen percent of the Hamfest attendees signed the log. There was a good turnout for this six hour event.



QSO Parties

Dan Morris, KZ3T
(#41015)

2014 SPRINT QSO PARTY

OCT 10

TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. N5MT	24949	126	145	397
2. WM2W	76400	119	116	354
3. DL8YBM	36109	92	94	278
4. KE6FQC	69047	99	50	248
5. KD4BVG	64773	50	122	222
6. AJ7T	71639	58	22	138
7. KM5MS	75610	44	45	133
8. WB6OJB	70675	58	15	131
9. N9AVY	43313	61	6	128
10. KI4YYY	75326	41	45	127

CALL AREA ORDER

CALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
N0ZNA	66810	12	6	30
W0RTV	13962	9	4	22
KD0TZL	76874	4	3	11
W0NXM	76875	4	3	11

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	42	1	85
N1YKH	70147	38	8	84
K1YKH	74643	37	6	80
KD6FEC	77131	21	19	61

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	21	30	72
W2MEB	75675	3	0	6

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	18	10	46

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
WM2W	76400	119	116	354
KD4BVG	64773	50	122	222
KI4YYY	75326	41	45	127
K4EVS	26064	38	16	92
K4QHH	26040	36	7	79
KN4Y	17757	17	33	67
W1LIC	46677	13	12	38
KJ4CNC	75308	8	6	22
KZ3T	41015	2	2	6

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
N5MT	24949	126	145	397
KM5MS	75610	44	45	133
KD5DE	33513	37	1	75
W5GVP	11572	12	18	42
KM5FF	50356	12	12	36
K5CC	50708	16	1	33
KN5GRK	71742	12	0	24
AD5IF	73372	10	0	20

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
KE6FQC	69047	99	50	248
WB6OJB	70675	58	15	131
KE6K	26831	46	17	109
K6VMN	31623	39	13	91
AB6QM	63114	10	4	24
AB6YA	77127	9	1	19
K6PCM	73365	3	3	9
KE6RQQ	74224	4	0	8

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
AJ7T	71639	58	22	138
W7MC	69078	44	15	103

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
KC8IM	31959	32	20	84
K8IZK	73889	17	0	34
K8DEL	2978	13	4	30

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
N9AVY	43313	61	6	128
KA9JCP	50609	14	20	48

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
W7MC	69078	44	15	103
N0ZNA	66810	12	6	30
AD5IF	73372	10	0	20

MOBILE

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2SUH	407	5	2	12

COUNTRY ENTRIES**CANADA**

CALL	10-10#	CTX W	CTX WO	TOTAL
VE5BCS	42027	34	18	86
VE2HAY	73620	8	29	45
VA2MO	75296	6	5	17

FRANCE

CALL	10-10#	CTX W	CTX WO	TOTAL
F6IRG	39399	7	7	21

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DL8YBM	36109	92	94	278
DL6DK	39944	59	7	125
DB9DF	74506	42	2	86
DJ2YE	68904	0	1	1

HAWAII

CALL	10-10#	CTX W	CTX WO	TOTAL
NH7PE	74456	3	1	7

NETHERLANDS

CALL	10-10#	CTX W	CTX WO	TOTAL
PA2NJC	30903	50	2	102

NEW ZEALAND

CALL	10-10#	CTX W	CTX WO	TOTAL
ZL1AFU	37851	15	0	30

NORWAY

CALL	10-10#	CTX W	CTX WO	TOTAL
LA7VK	72716	0	28	28

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
NM5H	68588	126	145	397	N5MT
DF0AG	74925	59	7	125	DL6DK/DB9DF
DF0VK	75885	59	7	125	DL6DK/DB9DF
W1NRG	29650	42	0	84	N1API
W8PGW	74726	32	20	84	KC8IM
KD5BZC	42114	37	1	75	KD5DE

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
WX9TOM	0	2	0	4	
YO3GNF	0	1	0	2	

2014 FALL CW QSO PARTYOCT 18 - 19TOP TEN

CALL	10-10#	CTX W	CTX WO	TOTAL
1. K0NM	75901	57	155	269
2. N0TW	36547	44	67	155
3. KN4Y	17757	35	63	133
4. KJ4RV	37776	35	17	87
5. N4ERM	34524	26	11	63
6. WA3GM	46927	16	28	60
7. VE5BCS	42027	21	13	55
8. WB6OJB	70675	19	7	45
9. KZ3T	41015	12	17	41
10. AB6QM	63114	15	10	40

CALL AREA ORDERCALL AREA 0

CALL	10-10#	CTX W	CTX WO	TOTAL
KI0J	75715	12	0	24

CALL AREA 1

CALL	10-10#	CTX W	CTX WO	TOTAL
N1API	25468	5	0	10

CALL AREA 2

CALL	10-10#	CTX W	CTX WO	TOTAL
W2VTV	71275	4	2	10

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	16	28	60
KB3MOW	72442	4	0	8
WA3JXW	4377	1	1	3

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
N0TW	36547	44	67	155
KN4Y	17757	35	63	133
KJ4RV	37776	35	17	87
N4ERM	34524	26	11	63
KZ3T	41015	12	17	41
AK4YS	75328	10	0	20
W1LIC	46677	7	4	18
WA4WHV	60888	8	1	17
KU4W	20986	8	0	16
K3IRV	69236	5	1	11
K4BAI	45389	4	0	8
N3GTY	50585	4	0	8

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
K0NM	75901	57	155	269
KD5DE	33513	15	5	35
K5CC	50708	9	0	18
K5ICW	18896	5	1	11

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
WB6OJB	70675	19	7	45
AB6QM	63114	15	10	40
KI6OY	50948	8	0	16

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
AI9IN	76189	2	1	5

COUNTRY ENTRIES**CANADA**

CALL	10-10#	CTX W	CTX WO	TOTAL
VE5BCS	42027	21	13	55
VE5KM	42005	15	2	32
VE3VCF	75045	6	0	12

GERMANY

CALL	10-10#	CTX W	CTX WO	TOTAL
DK7LA	66048	2	0	4

NETHERLANDS

CALL	10-10#	CTX W	CTX WO	TOTAL
PA2NJC	30903	7	2	16

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
W1NRG	29650	5	0	10	N1API
K4MN	24874	1	0	2	N3GTY

CHAPTER ENTRIES

CHAPTER	LOGS	PTS
HOUSTON SHOT	3	421
POSSUM TROT	8	224
STEAMBOAT	1	35
CASTLE CRAIG	2	20
NEANDERTHAL	1	16
WINDFARMS	1	16
NEW WATERKANT	1	4

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
N5MT	24949	13	50	76	
NM5H	68588	13	50	76	N5MT
NS8O	74139	6	0	12	
HA8EN	52727	4	0	8	
LZ4TU		2	0	4	

2014 FALL DIG QSO PARTY**Nov 8 - 9****TOP TEN**

CALL	10-10#	CTX W	CTX WO	TOTAL
1. WA2HMM	40510	71	86	228
2. LA7VK	72716	11	118	140
3. N3GTY	50585	38	17	93
4. WA3GM	46927	31	24	86
5. VA2MO	75296	32	19	83
6. N7YG	65084	38	6	82
7. K4ARS	22483	35	11	81
8. W2VTV	71275	22	28	72
8. K5PAX	73990	33	6	72
9. ND6S	50949	29	12	70
10. KJ8O	75942	20	28	68

CALL AREA ORDER**CALL AREA 2**

CALL	10-10#	CTX W	CTX WO	TOTAL
WA2HMM	40510	71	86	228
W2VTV	71275	22	28	72

CALL AREA 3

CALL	10-10#	CTX W	CTX WO	TOTAL
WA3GM	46927	31	24	86

CALL AREA 4

CALL	10-10#	CTX W	CTX WO	TOTAL
N3GTY	50585	38	17	93
K4ARS	22483	35	11	81
N4ERM	34524	22	9	53
KU4W	20986	16	18	50
N5EEO	33552	18	13	49
KA5VZG	46596	23	3	49
AK4YS	75328	19	11	49
KD4JMV	76459	16	5	37
KJ4RV	37776	16	4	36
K3IRV	69236	8	5	21
KZ3T	41015	5	2	12

CALL AREA 5

CALL	10-10#	CTX W	CTX WO	TOTAL
K5PAX	73990	33	6	72
KD5DE	33513	22	14	58
NS5R	36388	21	7	49
KD5HIP	71476	21	3	45
KM5EH	71103	19	3	41
K5CC	50708	19	0	38
KM5FF	50356	15	5	35
KM5YX	54537	16	0	32

CALL AREA 6

CALL	10-10#	CTX W	CTX WO	TOTAL
ND6S	50949	29	12	70

CALL AREA 7

CALL	10-10#	CTX W	CTX WO	TOTAL
N7YG	65084	38	6	82
AJ7B	7675	31	4	66
KE6K	26831	7	22	36
KA7IVB	36769	18	0	36
W7JSD	76248	17	2	36

CALL AREA 8

CALL	10-10#	CTX W	CTX WO	TOTAL
KJ8O	75942	20	28	68

CALL AREA 9

CALL	10-10#	CTX W	CTX WO	TOTAL
N9AVY	43313	27	5	59
N9JLY	55941	18	1	37
AI9IN	76189	7	0	14

QRP

CALL	10-10#	CTX W	CTX WO	TOTAL
N3GTY	50585	38	17	93
KE6K	26831	7	22	36

COUNTRY ENTRIES**CANADA**

CALL	10-10#	CTX W	CTX WO	TOTAL
VA2MO	75296	32	19	83
VE5BCS	42027	7	6	20

HAWAII

CALL	10-10#	CTX W	CTX WO	TOTAL
WH6S	64994	27	9	63

NORWAY

CALL	10-10#	CTX W	CTX WO	TOTAL
LA7VK	72716	11	118	140

CHAPTER ENTRIES

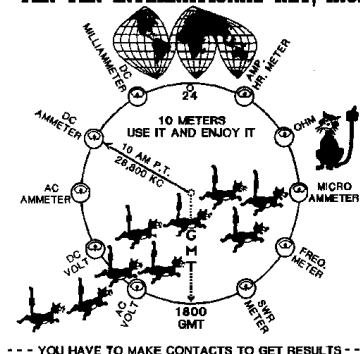
CHAPTER	LOGS	PTS
POSSUM TROT	7	395
STEAMBOAT	2	116
WINDFARMS	1	70
NORTH GEORGIA	1	49
REPUBLIC OF TEXAS	1	49
NM MUD DUCKS	1	35

CLUB ENTRIES

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
K4MN	24874	38	17	93	KD5DE
KD5BZC	42114	22	14	58	0

CHECK LOGS

CALL	10-10#	CTX W	CTX WO	TOTAL	OPS
VE5EEE	54288	37	16	90	VE5DMN/ VE5JJA
W7RTL	74645	7	1	15	

TEN-TEN INTERNATIONAL NET, INC.**INTERRADIO IN HANOVER GERMANY**

The Interradio show was held on Saturday November 8 in Hanover Germany where a 10-10 table was set up. Members from the German Chapters Hanse and New Waterkant helped work the table as well as Peter (DL6DK) with the Branding Iron chapter. See the cover photo.

A parking lot net was started at 10:10 UTC on which about 40 stations worked each other. Some hams with 10-10 numbers stopped by the table. Other hams without a 10-10 number stopped by and picked up information about the hobby and our 10-10 chapters. It was a hard day for all at the table but everyone had fun and decided to go to next year's Interradio show.

The members who helped at the table were: DL5HCN #69620, DL5HAN #69621, DK7LA #66048, DJ3LA #70617, DL6DK #39944, DB9DF #74506, DL1KBQ #70303, DH3KAT #70302, DF9JS #45863, DB3LU with xyl and DF1AG #75463



Overview shot of 2014 Interradio Show floor

10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

We encourage all of our members to support the 10-10 International Net Scholarship Foundation. Our goal for the 2014-2015 fiscal year is to fund four \$1500 scholarships entirely through member donations outside the dues structure. We achieved our goal for 2013-2014. The Foundation was created in 2001 and is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. If you have an employer matching program, please let us know. 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, why not make a donation to the 10-10 Scholarship Foundation.

If you make a donation of \$15 or more you will receive the current year pin. For a donation of \$25 or more we will also send you one of the older 10-10 pins. You can use the link on our website or send your check to me or the Data Manager.

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

Platinum (\$1000 or more)		
K4QYC	Joe Sport	51459
Gold (\$500 to \$999)		
NONE		
Silver (\$100 to \$499)		
WA7OGY	Fred Brown	01820
WB5KIA	Steven Gradijan	09838
WB0CON	Eva Donaldson	53964
Bronze (Up to \$99)		
K0PV	Donald Zielinski	09902
KA7ICF	Jesse Larsen	46221
WF7K	David McKibben	50203
W1DYJ	Lawrence Banks	65485
DK7LA	Wolfgang Detlhiefs	66048
N0QE	Scott Mentzer	68075
KA3GLQ	John Himes	74211
K4XW	John Spehar	74853
KG5DZX	John Harris, Jr.	77153
KA1MDG	St. Maximilian Kolbe R.C.	77162

You too can become a 10-10 Scholarship Foundation Supporter, by making your check payable to the 10-10 Scholarship Foundation. Please send to:

10-10 International Net Scholarship Manager
Larry Berger WA2SUH
9 Nancy Boulevard
Merrick, NY 11566-3119

See the form at the back of this issue if you want to pay by credit card.

10-10 Scholarship Applicant Information

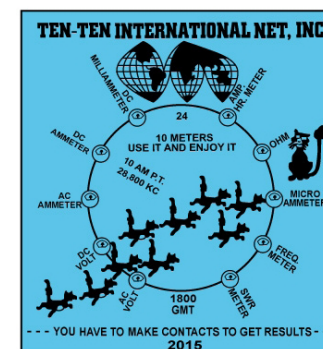
Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds four \$1500 scholarships, which are administered on our behalf by the Foundation for Amateur Radio (FAR). It is suggested that every 10-10 member encourage qualified college-bound amateur radio operators to take advantage of this opportunity.

The four most recent winners are featured in the Fall issue of the 10-10 News.

Over the past 27 years, 10-10 has funded 99 scholarships valued at \$109,000.

Applicants must be licensed amateurs. There is no restriction on the course of study, but applicants must intend to seek at least an Associate Degree from a college or university. Non-U.S. amateurs and those seeking graduate degrees are also eligible, as well as students who study outside the United States. Completed applications must be received by FAR prior to **March 30th of each year**. Download an application from FAR's website: <http://www.farweb.org> or go to the link on the 10-10 Website in the Miscellaneous Section. You can also request an application from:

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



2015 Scholarship Support Pin

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 2015

AD4RX.....	Director
AJ7B.....	Newsletter Editor
G4BLH.....	Awards - GB
K0DBK.....	Awards - Counties
K1IEQ.....	Committee Member
K4QHH.....	Award Manager-Mobile & VP
K5BKT.....	Committee Member
K5CC.....	Committee Member
K5ERJ.....	Committee Member
K5FBS.....	Director
K6DNR.....	Net Control
W7CAR.....	Committee Member
K6RDK.....	Data/ Membership Manager
K7CWS.....	Net Control
K7PRZ.....	Committee Member
KA5OVO.....	Historian
KA5VVD.....	Committee Member
KC8IM.....	Net Control
KD4BVG.....	Committee Member
KD5DE.....	President
KE1HG.....	Committee Member
KE6OIO.....	Net Control
KI6OY.....	Awards-CW
KM5EH.....	Director
KM5FF.....	Awards-WPX
KQ4PK.....	Net Control
KR7RK.....	Treasurer
KZ3T.....	QSO Party Manager

N0KDB.....	SK Manager
N0TW.....	Director
N1API.....	Committee Member
N3ES.....	Committee Member
N3FNE.....	Director
N4WDT.....	Net Control
N5MT.....	Awards - DX
N6ELK.....	Net Control
N6OPR.....	Director
N7YG.....	Director
N9AC.....	W6OI Trustee
N9AVY.....	Secretary
NZ1I.....	Committee Member
VA7SJ.....	Committee Member
VE3MEW.....	Committee Member
W4GA.....	Awards-WAC
W4MAA.....	Committee Member
W5DJT.....	Committee Member
W9HT.....	Committee Member
WA2SUH.....	Vice President
WA6POZ.....	Past President
WB0CON.....	Awards - WAS
WB6OJB.....	Net Control
WB9WZI.....	Net Control
WD4EWB.....	Committee Member
WD8JKV.....	Director
WM2W.....	Awards – 1000+ Bars
WN4AMO.....	Director

JT MODE PRIMER

Over the past few years, there has been an explosion in the use of the JT65 digital mode on HF, specifically on 10 meters. At the 2013 Convention in Hartford, I touched on this mode slightly during my Digital Modes presentation, but it was still in its infancy and the available software, that worked, was sparse. Almost 2 years later JT65 and its cousin JT9 have been spreading like wildfire across the HF spectrum.

The JT modes, JT65, JT9, JTMS, JT6A and FSK441 are the brain child of Joe Taylor, K1JT, who devised these digital protocols optimized for EME (moonbounce), meteor scatter, and ionospheric scatter, at VHF/UHF, as well as for HF skywave propagation. These modes can decode fraction-of-a-second signals reflected from ionized meteor trails and steady signals 10 dB below the audible threshold. As we start to approach the minimum of another solar cycle, these modes quite possibly can keep 10 Meters and to some extent 6 Meters alive and fun.

Before we get into how to use this mode, we need to discuss the two protocols and how they differ. Much of the following paragraphs comes from Joe Taylor's User guides.

JT65

JT65 was designed for making minimal QSOs via EME ("moon-bounce") on the VHF and UHF bands. A detailed description of the protocol and its implementation was published in QEX for September-October, 2005. Briefly stated, JT65 uses 60 s T/R sequences and carefully structured messages. A transmission nominally begins at $t = 1$ s after the start of a UTC minute and finishes at $t = 47.8$ seconds.

JT9

JT9 is designed for making minimally valid QSOs at LF, MF, and HF. Modulation is nine-tone frequency-shift keying, 9-FSK. Eight tones are used for data, one for synchronization. The total occupied bandwidth is 15.6 Hz.

JT9 AND JT65 DIFFERENCES

The most striking difference between JT65 and JT9 is the much smaller occupied bandwidth of JT9: 15.6 Hz, compared with 177.6 Hz for JT65A. Transmissions in the two modes are essentially the same length, and both modes use exactly 72 bits to carry message information. At the user level the two modes support nearly identical message structures.

JT65 signal reports are constrained to the range -1 to -30 dB. This range is more than adequate for EME purposes, but not really enough for optimum use at HF and below. S/N values displayed by the JT65 decoder are clamped at an upper limit -1 dB. Moreover, the S/N scale in present JT65 decoders is nonlinear above -10 dB.

By comparison, JT9 allows for signal reports in the range -50 to $+49$ dB. It manages this by taking over a small portion of "message space" that would otherwise be used for grid locators within 1 degree of the south pole. The S/N scale of the JT9 decoder is reasonably linear (although it's not intended to be a precision measurement tool).

With clean signals and a clean noise background, JT65 achieves nearly 100% decoding down to $S/N = -22$ dB and about 50% at -24 dB. JT9 is about 2 dB better, achieving 50% decoding at about -26 dB. Both modes produce extremely low false-decode rates.

Early experience suggests that under most HF propagation conditions the two modes have comparable reliability. The tone spacing of JT9 is about two-thirds that of JT65, so in some disturbed ionospheric conditions in the higher portion of the HF spectrum, JT65 may perform better.

JT9 is an order of magnitude better in spectral efficiency. On a busy HF band, the conventional 2-kHz-wide JT65 sub-band is often filled with signals. Ten times as many JT9 signals can fit into the same frequency range. JT65 signals often decode correctly even when they overlap. Such behavior is much less likely with JT9 signals, which fill their occupied bandwidth more densely. JT65 may also be more forgiving of small frequency drifts.

OPERATIONS

Now that we have all the "techie stuff" out of the way, what do you need to use these modes. The first thing we must understand, these modes are not contest modes, QSO modes, or ragchew modes, but just a contact mode. If you are in a hurry to bang out 15 DX contacts while you are getting ready for work, this is not the mode to accomplish that. A QSO from start to finish will take between 5 – 8 minutes depending on the additional information you want to pass, and if you need to include the basic information for a 10-10 contact that could go to 12 minutes.

These digital modes require strict time synchronization. The computer you use needs to be a fast computer, loaded with oodles of memory and a method to synchronize the computer clock at least every 30 minutes. Your computers clock must be within 0.5 seconds of the other stations clock to effect a proper decode. I had a situation where my clock was only 0.9 seconds off and I was decoding hieroglyphics.

As with all the other "Sound card" digital modes, you will also need a sound card and interface such as a Signalink or an extra internal sound card. Do not try to use these with just the system sound card, especially on a Windows 8 machine.

SOFTWARE

Currently, there are 3 software packages that will decode these modes.

JT65-HF HB9HGX-Edition by Beat Oehrli, HB9HGX

Download it at: <http://sourceforge.net/projects/jt65hfb9hqxedi/>

JT65-HF-Comfort (site is in German)

Download it at: http://www.funkamateure-dresden-ov-s06.de/index.php?article_id=315&clang=0

WSJT-X

Download it at: <http://www.physics.princeton.edu/pulsar/K1JT/wsjsx.html>

WSJT-X is the only software that will decode both JT65 and JT9 and it is the only software that will run on Windows, Linux and Mac. Because of it's ability to decode JT9 signals, I recommend this software. Whatever software you decide to use, make sure you digest the help files that come with it. For the rest of this discussion, We will use screen shots from WSJT-X.

The first time you run this software or the other two, you will get a configuration screen that will require you to enter your specific information, identify your radio if you want to use rig control and the audio interface that will be handling the decoding duty. The big thing you need is your call sign and your grid square.

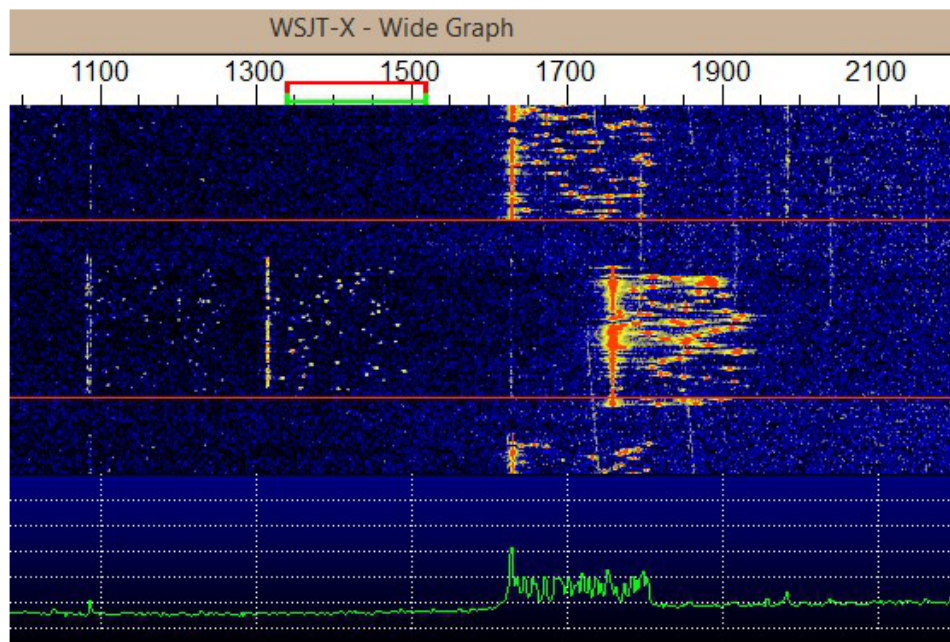


Figure 1. Waterfall with JT65 signals

If you have a serial interface for your rig, you can configure the Radio Panel in the settings window for your specific radio if it is listed. When you select a band, in the main panel, it will automatically set the radio to the correct frequency for the JT modes.

Figure 1 shows is a slice of the waterfall. The horizontal red lines are the minute markers. The data between those markers are what a JT65 signal looks like. In the middle segment, you can see three JT65 signals, one at 1100 Hz, another at 1300 Hz, and an extremely strong and over-driven one at 1750 Hz.

A station will transmit starting at 0 seconds of a minute and transmit the data payload for 48 seconds. At 49 seconds and going through 59.9 seconds the software will decode all of the signals in the audio pass-band and display what it decoded in the Band Activity Panel as shown in Figure 2.

UTC is the time of the decode, dB is the signal strength, DT is the time offset, Freq is the audio frequency and Message is the decoded data.

Stations calling CQ will be highlighted in green and a station that you are in QSO with will be highlighted in Red.

UTC	dB	DT	Freq	Message
1531	-1	-0.0	2215	# HA5AEK N3XX EM73
1531	-13	-0.6	2601	# K7JNX PA3CWQ R-12

1532	-17	-0.6	1616	# CQ F4BAL JO10 !France
1532	-1	-0.7	1790	# CQ WB9IIV EM69 ~U.d States
1532	-11	-0.5	2154	# PA1DK N8KQ R-23
1532	-5	-0.5	2602	# PA3CWQ K7JNX RRR

1533	-1	-0.7	1262	# CQ KA9SWE EN53 ~U.d States
1533	-18	0.9	1812	# CQ KA3ARF FM19 ~U.d States
1533	-1	-0.4	2209	# HA5AEK N3XX R-07
1533	-19	-0.3	2397	# LU2EXS I2RIB R-14
1533	-10	-0.7	2601	# TU 25W DIP 73

1534	-3	-0.7	1321	# M0CLZ KOPT EM94
1534	-18	-0.7	1616	# CQ F4BAL JO10 !France
1534	-1	-0.8	1790	# CQ WB9IIV EM69 ~U.d States
1534	-8	-0.5	2602	# PA3CWQ K7JNX 73

Figure 2. JT65 Band Activity Panel

At 1531, we see where N3XX answered HA5AEK and sent his Grid Square in response to a CQ from HA5AEK. At 1532, if I was hearing Europe, we would have seen a response from HA5AEK with a signal report. At 1533, N3XX responds with R-07 indicating that he received the signal report sent by HA5AEK and passes along his signal report of -7 dB. Although I am not hearing Hungary, I am receiving a station in France, F4BAL who is calling CQ, and a response from I2RIB in Italy. Both of these stations are barely visible in the waterfall with Signal-to-Noise ratios (SNR) of approximately -18 dB. My experience has been -22 dB is about the limit for JT65.

If you want to answer any of the stations calling CQ, then you can simply double click the line and everything will be setup to start your transmission to answer at the top of the next minute. You need to do this during the decode time and not later than 3 seconds after the top of the minute.

Before you ever start transmitting with this mode, make sure that you have your radio properly setup to transmit a digital signal at 100% duty cycle. No indication of ALC, and your audio gains adjusted so you have less, than 25 watts of power, or whatever your radio manual defines for 100% duty cycle. Make sure that all microphone compression and audio processing is also turned off. Over-driven signals are extremely difficult to decode.

This mode is very slow and you must have patience. You can be rewarded with contacts you'd never have thought of on voice or CW. In monitoring some of the JT65 email list and Facebook Groups, there seems to be a lot of success using both JT65 and JT9 on 160 meters.

Below is a message sequence between JA1LZB and N7YG with a good propagation path.

Time	Message
2229	CQ JA1LZB PM95
2230	JA1LZB N7YG DM42
2231	N7YG JA1LZB R-12
2232	JA1LZB N7YG R-15
2233	N7YG JA1LZB 73
2234	JA1LZB N7YG 73

That constitutes a basic JT QSO and as you can see it takes 5 minutes to complete the basic exchange of locations and signal reports. If you need to send any additional information, then the time will be increased in 2 minute increments depending on what you need to send. The program offers a free text option to send any text you want, but that is limited to 13 characters for each transmission. You could send something like TU 25W JEFF73, or the missing elements of a 10-10 exchange, JEFF AZ 65084. If your name is longer than 4 characters, then it will have to be sent in 2 cycles of the 13 character free text.

JT9 functions in exactly the same way as JT65. The only difference is the bandwidth. The wide bandwidth nature of JT65 is not bad at 28 MHz, but can really eat up spectrum on frequencies below 14 MHz. The software is agile enough that it can distinguish a JT65 signal at 1100 Hz, 1125 Hz and 1175 Hz. They look horribly overlapped on the waterfall, but if the timing is synchronized correctly and the signals are not over driven, all three signals will decode!!

Personally, I think we should be using JT9 in the HF spectrum, especially below 14 MHz, but it will be a while before this catches on.

Go forth and communicate!!

73 - Jeff Steinkamp

Note: The technical information used in the above article was derived from the WSJT-X users manual.



TEN-TEN AWARDS

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

TOP TEN HONOR ROLL

No.	CONTACTS	CALL	10-10#
1.	24600	WA5JDU	3017
2.	11700	K0PV	9902
3.	11000	DL8YBM	36109
4.	10600	N5XZ	4530
5.	10400	N1API	25468
6.	10000	K6PZE	1341
7.	9800	N5DAS	35877
8.	8800	AC6FU	10937
9.	8400	KF7PU	30021
10.	8200	K5FBS	48461

TOP TEN CLUB

No.	CONTACTS	CALL	10-10#
1.	10100	WD0SFT	37933
2.	4400	K6MQ	71487
3.	1900	W8PGW	74726
4.	1600	W1NRG	29650
5.	1200	NM5MD	72385
6.	1100	W4MNM	75450

1000+ MILESTONE BARS

2000 BAR

NO.	CALL	10-10#
569	KM5FF	50356

3000 BAR

NO.	CALL	10-10#
308	W6WQA	6987
309	K4Ezs	26064

W.A.S.

NO.	CALL	10-10#
2485	KD5DE	33513

COUNTRIES AWARDS

BASIC AWARD

NO.	CALL	10-10#
638	WA2HMM	40510

35 COUNTRIES

NO.	CALL	10-10#
375	WA2HMM	40510

45 COUNTRIES

NO.	CALL	10-10#
272	WA2HMM	40510

110 COUNTRIES

NO.	CALL	10-10#
40	WN4AMO	73825

MOBILE AWARDS**BASIC AWARD**

NO.	CALL	10-10#
157	W8PGW	74726

50 CONTACTS

NO.	CALL	10-10#
78	W8PGW	74726

600 CONTACTS

NO.	CALL	10-10#
2	DL8YBM	36109

CW AWARDS**50 CONTACTS**

NO.	CALL	10-10#
92	WI9X	49635

DIGITAL AWARDS**BASIC AWARD**

NO.	CALL	10-10#
120	WA2HMM	40510

50 BAR

NO.	CALL	10-10#
66	WA2HMM	40510

75 BAR

NO.	CALL	10-10#
53	WA2HMM	40510

100 BAR

NO.	CALL	10-10#
46	WA2HMM	40510

300 BAR

NO.	CALL	10-10#
11	WH6S	64994

500 BAR

NO.	CALL	10-10#
8	KD5DE	33513

600 BAR

NO.	CALL	10-10#
4	N9JLY	55941

AWARD MANAGERS

BAR 100-900... Dan Morris, KZ3T #41015 3162 Covington Way, Lenoir NC 28645 (828) 728-5049
 Bar 1000+ Marilyn Webb, WM2W, #76400 1103 Fulford Rd. Monticello, FL 32344-4352 (614) 216-5334
 VP Bar Bob Bishchoff K4QHH #26040 180 Persimmon, Rutherfordton, NC 28139-9319 (000) 000-0000
 VP WAS. Bob Bishchoff K4QHH #26040 180 Persimmon, Rutherfordton, NC 28139-9319 (000) 000-0000
 VP Lucky 13 .. Dan Morris KZ3T #41015 3162 Covington Way, Lenoir NC 28645 (828) 728-5049
 WAC Bob Mantell, W4GA, 75305 PO Box 1653 Blue Ridge, GA 38513 (404) 890-7265
 Counties Brad Kimble, K0DBK #55192 3855 66th St. E., Inver Grove Hts, MN 55076-2222 (651) 450-1173
 Countries Mike Davidson, N5MT #24949 3518 Bellefontaine St. Houston, TX 77025-1310 (713) 668-8408
 CW. Lee Zalaznik, KI6OY #50948 334 Olivina Ave., Livermore, CA 94551-6137 (925) 455-0361
 Digital. Mel Sojka, KD5DE #33513 353 Atlantic Ave., Shreveport, LA 71105-2909 (318) 861-7012
 Mobile Bob Bishchoff K4QHH #26040 180 Persimmon, Rutherfordton, NC 28139-9319 (000) 000-0000
 OM/XYL. Marcus Lieberman, KM5EH #71103 .. 2300 Hurley Drive NW, Albuquerque, NM 87120-1013. (505) 836-1724
 WAS Eva Donaldson, WB0CON #53964 .. 12933 W Montana Drive, Lakewood, CO 80228-4244 (303) 989-0475
 WPX Ed Bryant, KM5FF, #50356 9001 Sunbow Ave SW, Albuquerque, NM 87121-8851 (505) 934-2100
 GB Counties .. Mike Crawshaw, G4BLH #18446 50 Kibble Grove, Brierfield Nelson Lancs, England BB9 5EW 01144 1282 613754

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Silent Keys

Compiled By
Ruth Bartholomew, N0KDB,
(#48715)

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

10-10#	Call	Name - City, State
133	WA6ZZJ	Lloyd M Halgunseth - Prescott, AZ
1008	WA9YRL	Walter D Greene - Appleton, WI
1574	VE3BBB	Paul Simon Waechter - Breslau, ON, CAN
1949	WA0UXO	Ellen M Johnson - St Paul, MN
2387	K4MAS	Sheldon E 'Ed' Kane - Margate, FL
2906	W7QAN	Blaire G Nelson - Idaho Falls, ID
2909	W6MI	Warren A Simmons - San Diego, CA
3008	W7LAP	Norris E Saari - Tukwila, WA
4134	W5DEO	Curtis L Sockwell - Portland, TX
4228	WB5DES	William H Clark - San Antonio, TX
4263	W3BL	George J Baustert - Pinellas Park, FL
4561	K8QGC	Calvin K Davidson - Oberlin, OH
4587	WA0LEM	Warren W Buchanan Jr - Kansas City, MO
5891	K4GDG	George W Carson - Crossville, TN
5925	K4PY	Celimo F Hernandez - Miami, FL
7146	K5YR	Robert B Mc Cleery - Midland, TX
7696	K0RES	Marshall M Scott - Grand Junction, CO
7937	W8EAX	Fred M Jacob - N Fort Myers, FL
8756	WB8KON	Bruce D Appenzeller - Racine, WI
10732	W6MZQ	Walter J Johnson Jr - San Jose, CA
11112	W5AB	John M Sharpe - Missouri City, TX
11354	W9CKQ	Albert T Marini - Racine, WI
12254	WA4VUY	Clarence L Miller - Gainesville, FL
13152	W3JPG	Joseph M Jenkins - Baltimore, MD
13326	K7KTP	Richard 'Dick' C Prather - Portland, OR
13692	W5LCN	James W Linthacum - Corpus Christi, TX
14264	W5VBX	Weston G Strauch - New Orleans, LA
15168	W0RHT	Sherman P Booen - Richfield, MN
16056	W0GXY	Lloyd W Sherrill - Overland Park, KS
16143	WA8TCY	James R Wirt - Flint, MI
16291	WB4TLQ	Stuart H Coleman - Fairhope, AL
16712	W3JBJ	Marshall D Welch Jr - Williamsport, PA
16713	WB3DXW	Philip H Zagozewski - Mainesburg, PA

10-10#	Call	Name - City, State
16867	KE9I	Gerard' Jerry' Jendraszkiewicz - Medaryville, IN
19045	VK4ACE	Denis Alan Cooper - Ipswich, QLD, Aust
20067	K9WDL	Jon L Sugg - Highland, IL
22834	K5ADQ	Virginia M 'Nikki' Boyd - Los Alamos, NM
24491	K7DYE	Daryll A Dye - Anaconda, MT
26617	W5ZGZ	Cecil R Calhoun - Waxahachie, TX
29211	KR9G	Jim J Louvier - Waterloo, IL
31102	KE9U	Jay Jackson - Zion, IL
31773	WA2OQW	C. Jan Keller - Hinsdale, NY
32844	KD8YC	William R Alexander Jr - Toledo, OH
33489	AA4CA	Robert E Cason - Spartanburg, SC
34693	N5DCF	Victor V Stiles Jr - Fort Worth, TX
34873	WA2ARS	Morton Cohen - Apopka, FL
35442	W8HUA	Edwin E Geldreich Jr - Cincinnati, OH
35443	K8EPR	Harry W Aivalotis - Wheeling, WV
35821	KF5BD	Jack W Page - Albuquerque, NM
36143	G3MDH	Paul A.L. Shoosmith - RingwoodHamp, ENG
36522	W8GJK	Margaret L Jenvey - Ypsilanti, MI
36566	KX8Z	John E Craddock - Blanchard, MI
37546	KD2GC	Ray M Perkins - Akron, NY
37592	W2HGT	Salvatore Anzalone - Cape May Ct House, NJ
38011	W5KX	Roy M Matthews - Asheville, NC
38513	W7WPZ	Jesus 'Jay' G Aguilar - Mesa, AZ
39525	WA3NSR	Robert C Gipe, - White Hall, MD
39732	W4KOG	Robert W Mc Dow - North Palm Beach, FL
42113	K5ZSB	Hall S Bond - Irving, TX
42270	WL7BNW	Lawrence E Yerks - Anchorage, AK
43223	N4LII	Edward T Johnson - Painesville, OH
43243	N4KRA	Thomas V Merz III - Industry, PA
44796	N4ARW	Alfred R Waters - Washington, NC
45591	K9RJZ	Richard A Belter - Rolling Meadows, IL
47753	WA8KYB	Keith L Coakes - Owosso, MI
48016	KA3SWU	Joel W Kleinguenther - Andalusia, PA
50157	K6OHM	John R Thompson - Tustin, CA
50653	W9PVD	Gordon Lauder - Webster, WI
51285	N1EOH	Douglas P Modeen - Granby, CT
51467	W4PWR	William D Croom - Savannah, GA
53047	KB4FJN	William K Wiggins - Pensacola, FL
53237	N5ORT	Orin G Helvey Jr - Wiggins, MS
54993	K9MEN	Marvin E Nesius - Rensselaer, IN
57105	N5PTR	Edmund T Gorman III - Lumberton, MS
58409	W5FIH	James H Mc Elhany - Norman, OK
59245	K7FP	Frank T Piskur - Seattle, WA
59522	KC6SDG	Ronald E Kerzner - Santee, CA
60870	K4OJK	Joe R Walton - Knoxville, TN
61310	N5WXR	Dennis P 'Doc' Arton - Saint Martinville, LA
62079	AB6RF	Robert B Sutton - Sacramento, CA

10-10#	Call	Name - City, State
62529	N7QCO	Richard L Catterlin - Belgrade, MT
62646	N4GLN	Grady 'Leon' Nolan - Albany, GA
62860	N8RMY	William W Courtney Jr - Parkersburg, WV
63284	WD4JC	Jared Chaffin - Lebanon, TN
63828	WB0VYR	Gary W Staerke - Topeka, KS
66671	WB4NBE	Dennis O Sparks - Maryville, TN
67099	KK5UO	Robert B Moore - Houston, TX
67366	WD9FJH	Linda J Donoho - Centralia, IL
67808	KK5LH	Toni Winnard - Oklahoma City, OK
68543	N9XRO	Jack R Huebschen - North Fond du Lac, WI
68544	N8ZR	Steven O Putman - Fairborn, OH
70503	K4NR	Thomas P Branch - Plano, TX
70739	K1YSY	Peter A Sneed - Prospect, ME
71195	K1VU	Robert E Johnson - W. Bridgewater, MA
71923	WD5IEH	Thomas D 'David' Floyd - San Antonio, TX
73172	KB8VHD	Marvin G Morrison - Huntington, WV
73330	WV3WLC	Thomas M Butcher - Weston, WV
73548	N6ZL	Harvey 'Harv' Headley - Highland, CA
74155	AB9EF	Donald W Cockream - Elwood, IL
74482	K5DLO	Donald W Greenwood - Spiro, OK
75897	KI6VEN	Phillip J Karanaukas - Orange, CA
75965	KC0VPL	James R Robinson - Ballwin, MO
76006	KK4BYY	Gary W Batten - Swansboro, NC

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

73/88,

Ruth

W6OI #109 ON THE AIR

REPORT FOR THE 10-10 INTERNATIONAL CLUB STATION W6OI Ending November 30, 2014

W6OI continues to be on the air for the various 10-10 QSO parties and Special Event party held on November 22-23. Band conditions are certainly still up and down, so don't give up trying to make contacts! A number of contacts were made in each event. Also listen for the many 10-10 nets that are on during the week or weekend. Contacts can always be made on the nets! Listen for W6OI!

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

Jerry Kopstein
W6OI License Trustee
8041 W. Lakeshore Drive
Burlington, WI 53105

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

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

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

W6OI - VE9TEN - DL0X 2014 SPECIAL EVENT

The 11th Annual W6OI – VE9TEN – DL0X (official 10-10 club stations) Special Event was held on November 22-23. The purpose of this event is to have fun, keep ten meters active, and to educate folks on 10-10. I have received logs from most of the volunteers operating the event and from the comments it sounds like it was a blast! A fun time with many contacts being made.

Thirty members operated W6OI from all US call areas. Three members operated VE9TEN in Canada, and DL0X was on the air from Germany! Most logs from the volunteers have been received. Over 1730 contacts were made. Most were SSB, but there were many others on PSK, CW, and RTTY. PSK had almost 300 contacts alone! Approximately 1013 10-10 members were contacted and 717 contacts with non-members. Hopefully some new applications for membership were made!!

Special Event W6OI QSL cards are available for each call area worked (SASE please). Send all requests to Jerry, N9AC. For QSL requests for VE9TEN contact Rob (VE9KM) and for DL0X contact Henry (DL8YBM).

Many thanks to all volunteers operating 10-10 club stations for the event. It would not be possible without all your time and effort to make contacts.

73's Jerry, N9AC

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, 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 online to the 10-10 web page, www.ten-ten.org and follow the links from 'membership' to 'application' and select membership category.

Primary Membership

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

Family Membership

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

Life Membership

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

Senior Life Membership

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

Family Life Membership is no longer available

Club Membership

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

Electronic Membership

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

MEMBERSHIP RENEWALS

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

DATA MANAGER SERVICES

Call/Name/Address Changes

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

All payments may be made by Check, Money Order or IRC's (\$1USD per IRC). Due to banking regulations Credit Cards cannot be accepted for merchandise. Membership Services and Scholarship Donations can be made via credit card using the secure shopping cart at www.ten-ten.org

Mail to:

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

SCHOLARSHIP DONATIONS

Donations to the 10-10 Scholarship Foundation are encouraged by our members to help fund the four \$1500 10-10 Scholarships. For donations of \$15 you will receive a current year's lapel pin as a thank you gift, and for \$25 or more a second pin from a previous year will be sent. Your check should be made payable to the 10-10 Scholarship Foundation and sent to the Data Manager (address shown above) or the Scholarship Manager:

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

TEN-TEN QSO PARTY RULES

5.2 10-10 QSO PARTIES

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

5.2.1 WHO IS ELIGIBLE?

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

5.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

Spirit of 76 - 7 day, 6 mode event around 4 July each year

0001 UTC Monday through 2359 UTC Sunday.

Summer Phone - held on the first full weekend in August.

0001 UTC Saturday through 2359 UTC Sunday.

Sprint - a 24 hour event held on October 10th (10-10).

0001 UTC through 2359 UTC.

Fall CW - held on the third full weekend in October.

0001 UTC Saturday through 2359 UTC Sunday.

Fall Digital - held on the second full weekend in November.

0001 UTC Saturday through 2359 UTC Sunday.

5.2.3 FREQUENCY AND MODES

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

and may be operated using any approved method (SSB, FM, AM). The SPRINT utilizes all operating modes in the 10 meter band. NOTE: A QUIET ZONE between 28.490 and 28.510 shall be in effect during QSO Parties using the Phone portion of the 10 meter band to allow for others to use the band.

5.2.4 ENTRY CLASSIFICATION

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

INDIVIDUAL: Includes single station operators and can also include OM/XYL teams or any families or groups of people using individual call signs and 10-10 numbers.

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

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

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

5.2.5 TRANSMITTER INFORMATION

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

5.2.6 EXCHANGE

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

5.2.7 QSO POINTS

Two (2) points are awarded for contacts WITH a 10-10 number. One (1) point is awarded

TEN-TEN QSO PARTY RULES

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

5.2.8 CHAPTER SCORE ASSIGNMENT

Any entrant who is a chapter member and whose operating location is within 150 miles of the primary net location of that charter, may assign the entrant's score to that chapter. QSO Party scores for the Sprint may not be assigned.

5.2.9 QSO PARTY ENTRIES

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

5.2.9.1 ENTRY DESCRIPTION

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

5.2.9.2 ENTRY DEADLINES

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

5.2.10 QSO PARTY RESULTS AND AWARDS

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

5.2.11 ANNIVERSARY and MEET THE VOLUNTEERS EVENTS

These events run from January 1 0001 UTC to December 31 2359 UTC. In the Anniversary event, entrants may submit a log of contacts with members that have the anniversary year contained in their membership number. Example: 2010 is the 48th anniversary year of 10-10 International Net, Inc. Contact with members containing a "48" in their membership number (i.e., 72048, 69485, 64854, 48126, 00487) would count toward the event. Each year the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band. All general rules are applicable with the following exceptions: During the calendar year (January 1 through December 31) make legal 10-10 contacts with 10-10 Number, Date, Call Sign, QTH with members containing the anniversary year in their membership number as described above. In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is permitted, regardless of mode of contact. In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.). All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call, Name, QTH and Mode, in that order. These events are for Individual entries as described in section 5.2.4 and certificates will be awarded for the TOP Ten, however all entrants will be listed in the 10-10 NEWS. Logs MUST be postmarked no later than January 15th of the year following both the Anniversary and Meet the Volunteers events. Only members in good standing (with dues paid) are allowed to submit logs.

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

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

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

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

5.2.13 10-10 SPRINT (October 10) QSO PARTY

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

5.2.14 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.

2015 10-10 QSO PARTY COVER SHEET

Event	Dates	Postmark	Event	Dates	Postmark
Winter Phone	Feb. 7-8	Feb. 23	Summer Phone	Aug. 1-2	Aug. 17
Spring Digital	April 25-26	May 11	Sprint	Oct. 10	Oct. 25
Spring CW	May 2-3	May 18	Fall CW	Oct. 17-18	Nov. 2
Open Season	June 6-7	June 22	Fall Digital	Nov. 14-15	Nov. 30
Spirit Of 76	June 29-July 5	July 20	Anniversary (53)	Jan. 1 - Dec. 31	Jan. 15
			Meet The Volunteers	Jan. 1 - Dec. 31	Jan. 15

Name _____ Call _____ 10-10# _____

Address _____

City _____ State/Province/Country _____ Zip _____

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

PLEASE LIST CONTEST EXCHANGE

Call _____ Name _____ 10-10# _____ QTH _____

ENTRY TYPE

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

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

**Chapter Assignment
(Not valid for Sprint)**

Claimed Score

Contacts WITH
10-10 Number: _____ x2= _____

Contacts WITHOUT
10-10 Number: _____ x1= _____

Total
Contacts: _____ Total Pts _____

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

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

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