

10-10 INTERNATIONAL NEWS

Volume 42 Issue 3

\$1.50

July 2004 (Summer)

MESA ARIZONA SELECTED FOR 2005 CONVENTION



Mark your calendars! The next 10-10 Convention will be held at the Holiday Inn in Mesa, AZ on June 9-11, 2005.

What we know so far is that the hotel rate will be \$59 a night and will be good for 3 days before and 3 days after the convention for those that want to make a vacation out of it. The hotel is minutes away from Sky Harbor airport and is located on U.S. 60. Across the street from the hotel is a water park/minature golf. There are over 150 restaurants, shops, and entertainment venues within 2 miles of the hotel. Mesa's largest outdoor heated pool with sparkling waterfall.

Jon Goering NJ7I #43843 is the Convention Committee Chairman and he tells us to watch the 10-10 Website and future issues of the NEWS for coming information.



NJ7I

ELECTION BALLOT ENCLOSED

SEE PAGES 6-8 FOR CANDIDATE INFORMATION, BALLOT AND VOTING INSTRUCTIONS

W6OI SPECIAL EVENT

WORK ALL CALL DISTRICTS - PAGE 16

QSL BUREAU - DX IS IN!

EFFECTIVE AUGUST 1 - PAGE 27

SNAPSHOTS FROM DAYTON - CONTEST RULE UPDATED
CONTEST RESULTS - MOBILE AND CW/DIGITAL
WEBSITE IS NOW AT WWW.TEN-TEN.ORG AND WWW.10-10.ORG

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.

Each paid-up member will receive a copy. This is an independent publication. Permission to reprint is hereby granted, providing suitable credit is shown.

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

Please mail all articles and photos to:

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Email: n0wy@alltel.net



10-10 CHAPTER ACTIVITY REPORTS should be sent to the Chapter Coordinator
ADDRESS CHANGES: Members with US Zip Codes should send address changes to the Data Manager. All other members should send changes to the DX Area Manager.

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

DEADLINE FOR NEXT ISSUE: 1 Sept 2004

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HOT OFF THE PRESS

Steve Rasmussen NØWY #68684
Editor 10-10 News



Well, this time it actually happened. I ran out of things to put in the NEWS. So you got some of my vacation pictures in Alaska. Yes, some of it is ham related so it passes the test. If you have anything ham related you would like to write about, please go ahead and submit an article. I can't do any more than reject it. There haven't been too many of those, in any case.

I would love to see some pictures of your stations or antennas or you or other hams getting together and being...hams. Please though, make it related to ten meters or Ten Ten.

I prefer actual photographs. I can scan them at a very high resolution and manipulate the final size with no problem. Whatever you do - do NOT send a print from a regular color printer. It doesn't work.

Digital images work well IF they are at a very high resolution. Here's the technical stuff. If the file size is less than 100k, it will never work. The pictures I take with my digital camera have a file size between 1 and 2 megabytes. That means the highest resolution your camera can shoot at. Not 640x480! The highest resolution on my camera is 2582x1944. That will make a picture large enough to use anywhere in the NEWS. 1600x1200 is the absolute smallest that is easily useable. 1024x768 will end up being about 1-1/2" high. You say you can see it just fine on the screen? That is true, but for publishing on a press, it needs to be at 300 dots per inch (dpi). Most 1024x768 is at 96 dpi and when you change it to 300, the picture gets MUCH smaller. If you use the highest setting on your camera, the resulting file will work for me. If you are going to send me digital images over the internet, please warn me well in advance and do not send a second one until I confirm receipt of the first. My mailbox will only hold 3 or 4 pictures of that size.

With the slack time we are having on the band, now is the time to put together those projects for 10 meters and write about how you did it - and take pictures too! Will be watching for your article!

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and much more!

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Monday (28.380)	Dick, K6PZE #01341
Monday (28.800)	Scotty, WA6TQC #00071
Tuesday (28.380)	Brian, KC7OC #67668
Tuesday (28.800)	Don, KB0ON #29849
Wednesday (28.380)	Chris, N7PVL #58018
Wednesday (28.800)	Louise, N6ELK #36654
Thursday (28.380)	Bob, N6OPR #45715
Thursday (28.800)	Robert, KQ4PK #63201
Friday (28.380)	Bill, KB9MJ #22313
Friday (28.800)	Tom, KA9EKG #70731
Saturday (28.380)	Ed, K4EEF #58203
Saturday (28.800)	Earl, KS4XI #70679
Sunday	"NEVER ON SUNDAY"

Alternate Net Controller **John, NS2M #72143**
Alternate Net Controller **Dick, WD8QHY #58858**



from the office of the
PRESIDENT
10-10
International

Chuck Imsande
W6YLJ #19636

The Board of Directors held their annual meeting on June 12th in Scottsdale, Arizona with all Board members present except for Ed Redwine who was excused for health reasons.

The following is a brief recap of some of the significant items addressed by the Board. The official minutes of the Board Meeting will give the actual Board action on each item and will be posted on the web site and in the next issue of the NEWS. Here is a brief summary according to my notes.

The Webmaster, Dar Piatt, W9HZC #73090, was authorized to obtain the domain name of 10-10.org.. This has been done and you can now use either 10-10.org OR ten-ten.org to enter the 10-10 web site. This will solve a long standing problem where people would use 10-10.org and were not able to enter the site.

Another web site change that will be implemented in the near future will be the addition of a "Breaking News" feature on the title page of the web site. By clicking on this feature, you will be able to review late breaking news regarding 10-10 activities. Discussions relative to procedures to keep the web site more current and up-to-date were held and policies are being established to accomplish this.

The Contest Committee, under the chair of Director Linda Barnes, KJ4FM #43299, gave a report and recommendation regarding up-date of the contest rules. As a result, rule 6.2.4 Club was updated to be effective immediately. One item to be noted is that the Board has eliminated the requirement for submitting a copy of proof of current dues with contest scores and also deleted

the requirement for enclosing a copy proving current dues with award applications. Current dues status will be checked using the 10-10 Data Base.

The QSL Bureau Manager, Bob K7QXG #05956, presented a report of the first five (5) months of the new Bureau operation. Bob recommended that DX members now be included in the program. See page 27 for more information. Bob reported that comments on the Bureau operation to date have almost all been positive. The Bureau will continue on a trial basis, as approved by the 2003 Board, through the year 2005 at which time it will be made permanent or terminated.

The trial distribution of the 10-10 International News by electronic means was reviewed and made a permanent feature. This membership service will allow members to receive their News either by regular mail or by electronic mail. You will be asked to choose which method of delivery you prefer. The advantage of the electronic distribution is that you will receive your copy up to 3-weeks earlier than by regular mail and in color. If you receive your News electronically you will be able to read it on line, download and print yourself a copy, and to archive a copy to a folder for future reference. Details of how to sign up for electronic distribution can be found on page 27.

Our Data Manager, Gerry Gross WA6POZ #21274, has been adding e-mail addresses to our data base so that we will have the capability of notifying members of breaking news and reminders of events, etc. Please notify Gerry of your e-mail address so you can be added to the Data Base e-mail file. Send Gerry an e-mail at wa6poz@arrl.net.

The Board heard a proposal for the 2005 10-10 Convention from Jon Goering NJ7I #43483. Jon proposed the 2005 convention be held at the Holiday Inn in Mesa, AZ on the dates of June 9, 10 and 11, 2005. A great convention room rate of \$59. per night has been obtained, which will be honored

prior to and after the convention for those who wish to spend a few days vacationing around the area. Jon proposed a number of local trips and events that will make this "the best 10-10 convention ever"! More details will be released on the web site convention page soon. Mark your 2005 calendar and reserve June 9-12

Six petitions were submitted by the membership through Don Ruf, KB0ON #29849. These petitions addressed various changes to the OPS Manual and clarification of contest rules, etc. Each of these were discussed and action taken. Disposition of each will be noted in the minutes.

The method of voting for the election, scheduled for this fall, was discussed. It was decided that rather than mail special election ballots with return post cards, that the ballot will be printed in the July issue of the News during election years. The procedure will be to mail the ballot to the 10-10 Post Office. The envelope must show your 10-10 number in bold in the upper left hand corner of the envelope (where the return address usually goes). The new ballot can be found on the bottom of page 8. This change in election voting will save several thousands of dollars for each election as there is no extra ballot printing costs or postage expense. In these times of increased costs for everything, the Board is very conscious of all areas of cost savings. PLEASE follow the voting instructions and VOTE. To help you determine your choice of candidates, look for the bio's beginning on page 5.

A Special Event operation was discussed and approved by the Board. This will consist of having the club station, W6OI #109, on the air from all ten districts at the same time on 27-28 November. A certificate will be given for working W6OI in all 10 call districts, and Special Event QSL cards will be available for any contact with W6OI during the Special Event period. Volunteer stations will be given authority to participate in this Special Event activity. See page 16 for more information.

In addition to the above summary of Board actions, a number of housecleaning items were taken care of, and will be covered in the minutes. The minutes will be posted on the web site as soon as available.

As you can see from the above summary, the Board had a full schedule and acted on a large number of items.

We were at Dayton again this year with a booth and forum. Over 350 10-10 members stopped by the booth and signed the log. The forum drew close to 50, a number of which were not 10-10 members seeking information about 10-10. One of the highlights of the forum was my presentation of a certificate and membership card to Armond Noble, N6WR, publisher of Worldradio. Armond was presented 10-10 #74180.



Your comments and suggestions relative to Ten Ten are always welcome. Please e-mail me at: PRESIDENT@W6YLJ.COM



CANDIDATES FOR THE ELECTION OF OFFICERS

FOR VICE PRESIDENT

Mike Elliott, K7BOI #54625

I currently serve as 10-10's Vice President. I have also served as a Director and Information Manager. I am a life member of 10-10, having joined 1989, and operate regularly on 10 meters and enjoy paperchasing.

My experience has taught me that it is one thing to get people to join 10-10, and quite another keep them involved. If re-elected, I would concentrate on membership services. 10-10 must work to increase involvement. This requires that 10-10 be creative in its approach and responsive to member needs. We must promote activities for both the new and present member. 10-10 activities must be present positive experience. This will promote the use of 10 meters, develop good operating practices and make a pleasant experience for all.

I was first licensed in 1979. It had been a goal since the fifth grade. I received electronics training in the USAF, serving at various radar installations in the U.S. and Vietnam. After discharge, I completed an Electrical Engineering degree. Presently work as a Consulting Engineer in the energy field.

Also active in county hunting and traffic nets. I served two terms as Idaho ARRL Section Manager. Locally, I serve on the Idaho Red Cross communications team.

FOR DIRECTOR

Rob Ireland, VE9KM #69811

I got involved in amateur radio in high school, and it has been my principal hobby ever since. At different times I have favored phone, CW, digital,

HF, VHF, contests (won my region in CQWW and IARU contests), ragchewing etc., but the for the past five years ten meters has been my main focus, and I seem to join a new 10-10 chapter every few months. I am a director and Canadian secretary of the XG Radio Club (for ex-pat Brits scattered around the globe), member and former treasurer of our local radio club, and involved in the local Emergency Measures Organization. I have had lots of administrative and committee experience both at work (Department Head, Dean etc.) and at the national level (sitting on and chairing research funding committees etc.). I am relatively new to 10-10, but really enjoy participating in it's various activities. The next few years will be tough on propagation, but we can use this period to come up with some longer-term plans for 10-10. From my perspective it does seem that the 10-10 board needs to improve communication with it's members, and make the decision-making process more visible. With poorer propagation, members will have more time to gripe about how the club is run - and I'm used to listening to complaints!

Robert Jones, KQ4PK #63201

My call is KQ4PK and I live in N.C. along with my wife, Mattie, We have 4 children of which 3 are married. I am 63 year old and retired. I am asking for your vote for Director because I think I can listen and talk with most peoples.

My vision for 10-10 is to keep expanding it and find out why we have lost so many of our old members. With special task force, I think we can improve certain areas of 10-10. Working with the President and Directors, we could improve the contests, certificates just to name a few areas that are interesting to me. Peoples that donate their time and money give special thanks to them and recognition. I would like to see the work more evenly, instead of one person having several positions.

I would like to thank the committee for letting me run for Director.

Brad Kimble, K0DBK #55192

I have been involved in some form or fashion with the 10-10 organization for the past six to seven years. During the past year I have been the County Awards Manager, a member of the Chapter Affiliation Committee, editor of the Awards Guide and a Director through 2002. I also was a regular contributor to the 10-10 News. During the next couple of years with the current cycle at the bottom, the main item for the organization to concentrate on will be membership. With the current proposal to the FCC in the restructuring of the Amateur Radio license structure, including the addition of a Novice class of license, we should do our best to aid in the education of the newer licensees, especially seeking out the younger hams. I believe this would aid in 10-10 having a positive reputation throughout the hobby of amateur radio. I would like to see more members becoming involved on the committees, with DX stations making up at least one third of each committee. With my experience working as volunteer for 10-10 as well as 24 years with the Air Force, I believe my leadership capability in serving as a Director will be an asset to 10-10.

Jack Moore, K5CC #50708

First licensed in 1950 as W9LZT, I have enjoyed amateur radio for over 50 years operating from several states and Germany. Most of my operating these days is on ten meters however I occasionally dabble on other bands and modes. I enjoy 10-10 contests and participate in Chapter Nets and paperchasing as time permits.

I am the Chapter Head of the Outlaws/Bounty Hunter Chapter and have hosted a 10-10 picnic at my home for 16 years. I am the Trustee for W6OI, the 10-10 International Club station. I have attended several 10-10 Conventions and assisted in hosting the recent San Antonio Convention. I received the 1998 10-10 President's award. I was appointed to the Board of Directors and serve as

the coordinator for the 10-10 Website and Newsgroup. I enjoy working with the Website Manager and if elected will try to make the Website and Newsgroup timely and informative for the membership.

Larry Berger, WA2SUH #00407

I have been involved with 10-10 for 35 years and have been one of its strongest supporters. From 1979 to 1997, I was the Second District 10-10 Manager. I have served on the Board of Directors since 1997, attending the all Board meetings. Since 2001, I have been the Scholarship Manager and have worked hard to ensure that our five \$1000 scholarships are funded through member donations.

As we the cycle declines, in addition to checking into chapter nets, we need to call and answer CQ's and during our contacts, let people know about the opportunities that 10-10 affords. Get invited to speak at radio club meetings about 10-10. Try to set a good example as an operator and encourage others to do the same. The average age of hams is increasing and we need to ensure the continuation of our beloved hobby. Reach out to young hams, not specifically to recruit them as 10-10 members, but to encourage them to stay involved in the hobby and to try to get more of their friends licensed. Tell them about our scholarships.

I look forward to continuing to serve 10-10 as an active member of the Board of Directors.

Joe Williams, WA9TSG #00310

I am seeking reelection to the board of directors. I have been a member of the board and at the present time am head of the planning committee. I have been a member of Ten Ten since 1966, and am a life member. I was also editor of the Ten Ten News. Worked with my Ten Ten Chapter (Milwaukee Chapter) in setting up the

CONTINUED ON PAGE 8

second convention held in Milwaukee Wisconsin in 1989. My biggest goal is and always has been is to make Ten Ten the best organization in amateur radio. I am dedicated to working for Ten Ten in every way I can.

Jim Whittlesey, KC4RHW #57051

My name is Jim Whittlesey and I am the Chapter Head of one of the larger (2479 members with members in 43 DXCC) Chapters under 10-10 Net Inc. Here are some of my beliefs on the future of 10-10. One thing we need to do and encourage is the retention of membership in 10-10 and to bring in more members especially the younger Hams. I believe we need some programs that will encourage younger hams to join 10-10 and become active in the organization. I for one would like to see a Youth director appointed or elected. Someone with ideas on what the young people would like to see and do in Ham radio and there goals. That is one reason I have decided to run for office of Director. I do believe I can bring some new Ideas to the organization even at my age. I did serve in the Old USAAC before it became the

USAF in 1947. I served till 1953 and then went to work in Oak Ridge TN till I was retired on disability in 1989.

I did have a ham license while I was in the USAF (in 1952-3 in England - G3HPL). To try and list all of my accomplishments would take more that the allotted space. So all I can say is I believe I can bring experience to the Board and would like to serve an organization that has given me so much and I would like to be able to return some in part to the organization. There are great people in 10-10 world wide, but I would love to see more than the over 73,000 we have now. So if elected, I would strive to bring the old members back and bring new ones in.

NOW THAT YOU HAVE READ THE BIOS IT IS TIME TO VOTE FOR THE CANDIDATE(S) OF YOUR CHOICE. PLEASE PHOTOCOPY OR CUT OUT THE BALLOT BELOW AND RETURN TO TEN-TEN AS INSTRUCTED ON THE BALLOT. BALLOTS MUST BE RECEIVED BEFORE SEPTEMBER 15, 2004 - SO MAIL EARLY!

TEN-TEN INTERNATIONAL NET, INC. OFFICIAL BALLOT FOR THE ELECTION OF OFFICERS - 2004

BALLOT INSTRUCTIONS

Vote for one (1) Vice President and four (4) Directors. Incorrectly marked ballots will void your vote for only that office incorrectly marked. Place one ballot only in an envelope and write your 10-10 number in the upper left corner. Envelopes not displaying a 10-10 number will not be counted.

Mail to: 10-10 International Net, Inc.
OFFICIAL BALLOT
643 N 98th Street #142
Omaha NE 68114-2342

Mail your ballot as soon as possible. Ballots must be received before September 15, 2004. Ballots received after September 14, 2004 will not be counted.

MARK YOUR BALLOT CAREFULLY !!

CANDIDATE(S) FOR VICE PRESIDENT

VOTE FOR ONE (1) ONLY

☐ Mike Elliot, K7BOI #54625

CANDIDATE(S) FOR DIRECTOR

VOTE FOR FOUR (4) ONLY

- ☐ Joe Williams, WA9TSG #00310
- ☐ Larry Berger, WA2SUH #00407
- ☐ Jack Moore, K5CC #50708
- ☐ Brad Kimble, K0DBK #55192
- ☐ Jim Whittlesey, KC4RHW #57051
- ☐ Robert Jones, KQ4PK #63201
- ☐ Rob Ireland, VE9KM #69811



SNAPSHOTS FROM DAYTON

Contributing Photographer KB9NZX



An-Ten-Ten-nas

INFORMATION
TO HELP YOU DECIDE
ON THE BEST ANTENNA
FOR YOU

L. B. Cebik
W4RNL #41159



In each issue of the News, we shall try to clarify a significant cluster of ideas used in antenna work. Our object is to help you make the best decisions about the antennas you buy or build without imposing our own prejudices on you. The more you understand, the better your choices will be.

No. 44: A Large 10-Meter Very-Wide-Band Yagi

In the last issue, we examined a 4-element very-wide-band Yagi on an 8'+ boom. The antenna covered all of 10 meters from 28.0 to 29.7 MHz with reasonable gain (7.0 dBi free-space or about 12.5 dBi over ground), good front-to-back ratio (20 dB), and a direct-feed 50-Ohm SWR of less than 1.25:1 across the band. We also discovered that we could build such a beam using high-grade materials, if we were willing to use mail order and similar sources of supply.

This month, we shall explore a Yagi with similar coverage. The design is based on an original by Dean Straw, N6BV, of ARRL. The difference between Dean's Yagi and my smaller design last time is that his beam uses a 26' boom and has 6 elements. For the increase in boom length, we obtain an additional 3 dB of gain (10 dBi in free space or 15.5 dBi over ground), with all other operating specifications being the same as the smaller unit. The front-to-back ratio is about 20 dB across the band, and the 50-Ohm SWR does not rise above 1.25:1. If you like long-boom Yagis, you may take a shine to this one.

6-Element Very-Wide-Band Yagi General Outline

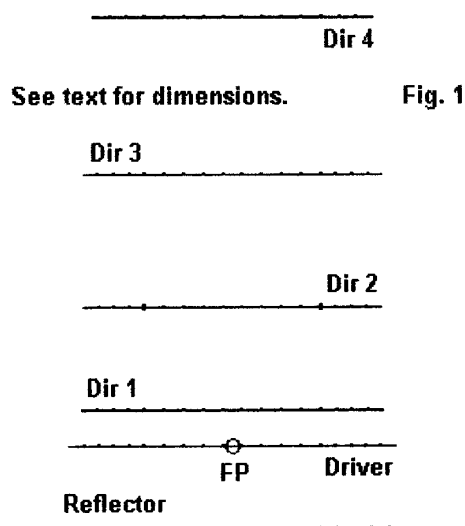


Fig. 1 shows the general proportions of the antenna. Once more, we see that the first director is quite close to the

driver, although not as close as in the short boom Yagi that we presented last time. However, this time, let's look at the performance characteristics before we examine the construction.

PERFORMANCE

The very-wide-band 6-element Yagi has very clean patterns that vary only slightly as we move across the band. It is quite natural for the rear lobes to change shape across a wide operating passband, while the forward lobe tends to hold its shape from one band edge to the other,

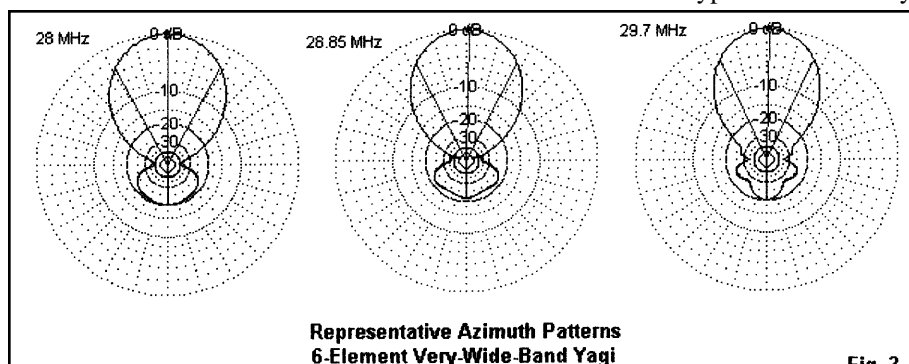
Fig. 2 shows representative azimuth patterns for the antenna at the band edges and at mid-band. The overall area within the rear lobe does not change much across the band, although the perimeter does change shape. The forward lobe is relative constant, with the emergence of very slight bulges at the upper end of the band. If we could have extended the operating range any further, we would find that these bulges would develop into small secondary forward lobes. If we had added more elements for higher gain, the secondary forward lobes would have become a permanent feature of all the patterns, as they are in most VHF Yagi design of 8 or more elements.

Modeled Performance of the 6-Element Wide-Band 10-Meter Yagi:

Freq. MHz	Gain dBi	F-B Ratio dB	Impedance R +/- jX Ohms	50-Ohm SWR
28.0	9.63	20.2	44.5 - j10.1	1.25
28.25	9.72	21.8	50.1 - j 5.8	1.12
28.5	9.83	22.9	52.9 - j 2.0	1.07
28.75	9.98	21.8	55.2 + j 1.3	1.11
29.0	10.09	20.9	56.7 + j 3.8	1.16
29.25	10.22	20.1	56.7 + j 5.0	1.17
29.5	10.32	19.8	53.7 + j 5.8	1.14
29.7	10.37	20.2	48.3 + j 7.7	1.18

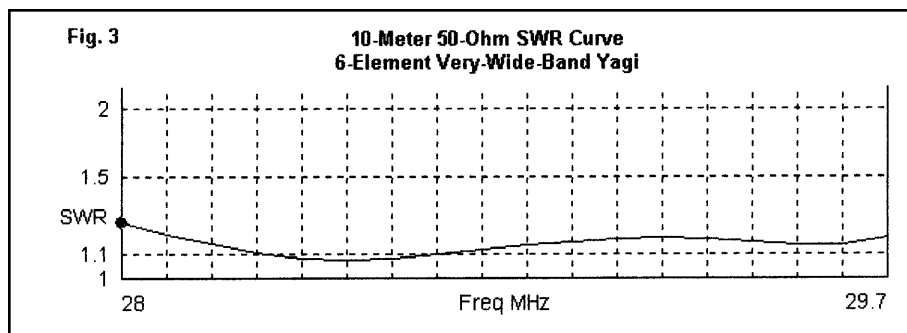
The table of performance values from the design model shows how smooth the performance is across the band. The gain varies by only 0.75 dB in that entire span, an amount that would be completely undetectable operationally. The front-to-back ratio varies by only 3 dB, again, an amount that we would be hard pressed to detect, even in cross-town checks with a friend.

The antenna uses a direct feed and is a good match for 50-Ohm coaxial cable. As usual, I recommend the use of a means of attenuating common-mode currents on the cable, that is, a ferrite bead choke balun of the W2DU type that is readily



Representative Azimuth Patterns
6-Element Very-Wide-Band Yagi

Fig. 2



available from numerous sources. Unlike 1:1 current balun transformers that are bulky, the ferrite bead balun is relatively thin and liner. Hence, you can tape it to the boom and it projects hardly more than the coaxial cable itself. **Fig. 3** shows the 50-Ohm SWR curves across the band. Notice that the values tend to undulate in minor ways, a feature of the driver-first-director combination.

CONSTRUCTION

Except for requiring a very long boom, the 6-element very-wide-band Yagi uses the same construction as the 4-element version that we have already examined in detail. The elements consist of inner section of 5/8" diameter aluminum, with 1/2" tubing used for the tips. Use 6063-T832 tubing, which is available from suppliers. The design calls for elements that are well insulated from the boom, so the sketches in the last column are completely adaptable to this antenna, right down to the way of mounting a coaxial cable connector to the overall driver assembly.

The inner 5/8"-diameter tubing sections extend 54" each side of centerline. Some builders may be concerned about the wind loading capability of such long inner sections. If you wish to strengthen them a good bit, the simply extend the inner tubes about a foot or so beyond the limits of the 9-12-inch long mounting plates. For the parasitic elements, these inner tubes will be 1/2" diameter aluminum. For the driver, the inner piece will be a non-conductive tube or a fiberglass rod, either with a 1/2" diameter.

The following table provides element length and spacing dimensions. Be sure to add 2 to 3 inches to the lengths of the tips for the required overlap. An overlap under 2" is likely to be insecure, while one longer than about 3" simply adds unnecessary weight to the beam.

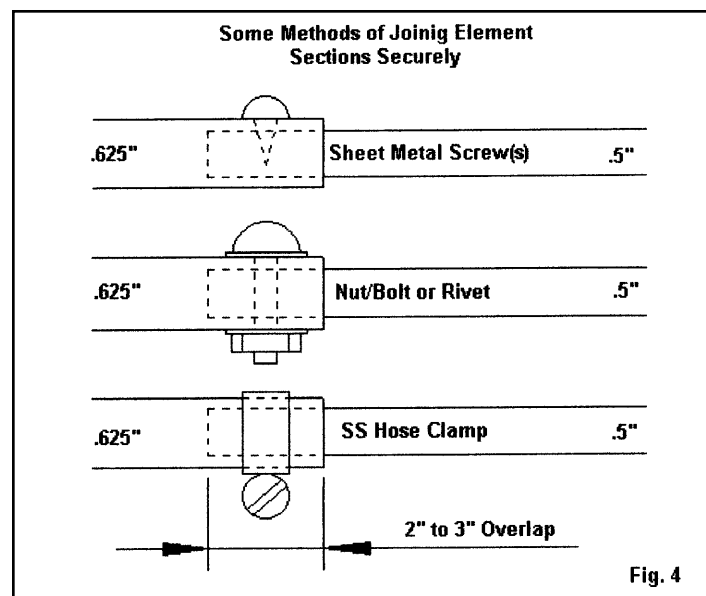
Element Lengths and Spacing: 4-Element Wide-Band 10-Meter Yagi (all measurements in Inches):

Element	Tip-to-Tip Length	Outer Tip Length	Space from Reflector	Space from Preceding Element
Reflector	214.6	53.5	----	----
Driver	201.6	46.6	50.9	50.9
Director 1	186.6	39.3	72.8	21.9
Director 2	184.0	38.0	136.2	63.4
Director 3	184.8	38.4	216.8	80.6
Director 4	174.0	33.0	312.0	95.2

Fig. 4 shows three generally accepted ways of joining two sections of elements. The easiest way is to use sheet metal screws. Most builders use two per junction, although they are divided on where to place them, some builders place them in a line, while others place one on each side of the tube so that the points face each other. The second method uses a hole all the way through both tubes. Some builders are now using aircraft (not hobbyist) rivets, while others use a nut-bolt

assembly with lock washers on each side. The third method cuts slots in the larger tube and uses stainless steel hose clamps to lock the sections together. With all hardware, be certain that all parts of it are stainless steel. Some auto hose clamps use stainless straps but plated (rustable) screws.

Like the smaller antenna, the design uses very specific element section diameters. Even changing the relative lengths of the inner and outer element sections can change performance noticeably. Trying to change the overall element diameters to use larger or smaller tubing will throw off the design even more. A Yagi depends for its performance on the mutual coupling between adjacent elements, and changes in element diameter



alter that coupling. Unfortunately, too few books and articles point out this limitation of Yagi design, and too many beginning beam builders try to substitute handy materials--usually with very frustrating results. If you do not have the means of performing the re-design work, try to replicate any design that you like as exactly as possible.

The 26' long 6-element very-wide-band Yagi is a sample of what can be done with Yagis. You may wish to compare its dimensions with designs that aim only to cover the first MHz of the band. The differences in element lengths, spacing, and overall boom length may be instructive.

CHAPTER COORDINATOR'S COLUMN

by Cliff Taylor K5FBS #48461



Manager's Comments: Again as in the last newsletter, I am listing the quarterly reports received and what period I received it in. I am doing this so that you can see at a glance when you need to send another. Remember that a quarterly report is only required once yearly UNLESS THE INFORMATION CONTAINED THEREIN CHANGES. Information contained in these reports is used to update the "Chapter Net Guide" and "10-10 Chapters", and/or relay information re chapter happenings. The Chapter Head MUST be a member in good standing with the 10-10 organization, so there should be no reason why this cannot be complied with. If you are a chapter head or certificate manager and you change email addresses, please let me know. I tried to send an email to all of the CHs and/or CMs and these addresses bounced:

dl5dxs@web.de; edandglo@earthlink.net; ah6rf@arrl.net;
n0wm@juno.com; stuartac@earthlink.net.

Quarterly Reports Received During the Last Quarter (March thru May): All American City; Borinage; Chief Seattle; City of Melbourne; Cradle of Confederacy; Egyptian Radio Club; Lonestar; Louisiana Pelican; Minuteman/Old Ironsides; Mo-Kan Tanners; Oceans of the World/Suncoast; Portland 500; Possum Trot; Restoration Project/Feline Friends; Tango; Trotters & Pacers; White House; Windfarms December thru February: All American City; Arlington; Bay Area; City of Roses/Portland Bridges; Colorado Centennial/Centurion/Golden Aspen; Frontier Gang; Crazy Eights; Gateway; Laurel Mancunium/Millennium VIP/Roman Invasion/Emperors; Lilac City; Maine-iacs; Mo-Kan Tanners; New Waterkant; Oklahoma Route 66; Outlaws on Ten/Bounty Hunter; Palmetto; Pine State; Santa Fe Trail; Sky Blue Waters/Tin Lizzie; South Texas Lighthorse Brigade; Space Coast; Springbok September to November: 10-Bar-X; Branding Iron I & II/Trail Driver; Cincinnati Area Ten Tuners; Golden Bear/Grub Stake/Hangtown Crossing/Mother Lode/Reno Folly; Great Lakes; Keystone/Keystone Stars; Peshtigo Fire

June to August (REPORTS NOW DUE): Air Capital; Alii; Aloha; Arizona Desert; Battle Road; Bauxite; Boomtown; Cast Iron Tower; Castle Craig; Chesapeake Bay; City of Lights; City of Melbourne; Colorado Quartermaster; Concho Valley; Cowtown; Down Under; Edmonton Area 10-10-ers/City of Champions; Electric City; Elemer J. Fudd; Fort McHenry/ Cornerstone/Yodar Kritch; GB Ten; Gold City; Houston SHOT; Kansas Trails; Lake Geneva; Major League Baseball; Michigan Robins; Milwaukee; Neanderthal; NM Mud Ducks; Red River Valley (Steamboat

Plus); Republic of Texas; Route 66; Steel City; Twenty-Eight; Twin Cities

Chapters that are no longer active as of this quarter: 59/62; Crater Lake; River City/Camellia Capital; Homebrew; Channel Islands; Cypress/Cypress Cities/Samuel Clemens/King Arthur's Court; Dick Bass Memorial. (If your chapter is one of these and you would like to reaffiliate, please contact K5FBS.)

Chapter in the process of reaffiliation:

Appalachian Mountain Chapter News: Arlington - We issue a certificate to each new check-in. We are into having extended QSO's.

Battle Road - Temporarily QRT as K1IEQ is currently moving. Bounty Hunters -Look for Bounty Hunters who have been incarcerated for accruing more than 25000 points. They are worth an instant 500 point, one time, upgrade.

Colorado Centennial - Only convention seal now collectible is the SANAN03. If you have been assigned a "number only", you may obtain the certificate by sending 2 first class stamps to the CH. A collectible "Gini" seal are is now being issued as a memorial to N7HDB.

Colorado Quartermaster - The "Basic Training" worksheet, which started on 1 September, will run until it is finished. Details have been posted on the web site, <http://www.QRZDX.com>. If you have no internet/email capability, an SASE will get you the information.

Cradle of the Confederacy - Special Events: Inauguration 0001 February 13 to 2359 February 19 2004; Birthday 0001 28 May to 2359 06 June 2004. Special event QSL cards are available. Send an SASE with your QSL card and QSO information to N4SOJ, J. J. Bednarz Sr., 450 Pike Road, Pike Road, AL 36064-2246.

Fort McHenry/Cornerstone: During the month of July, collect Fort McHenry Francis Scott Key numbers for 1 point each and collect Cornerstone Foundation numbers for 5 points each. Upgrades must be postmarked no later than 31 August 2004.

GB Ten - This year, during June and July, Portugal IS the host Country for the 2004 European Football Championships. A list of the 16 Countries due to take part is below. They are due to start on the 12th of June and the final being due on the 4th of July. Our Summer Special, "Euro-2K4" is based on these Championships.

Keystone - Once the 1K (Retiree) seal is earned, the next seal, Old Fogie, will be given out after checking into the net. Old Fogies earn monthly contact points with other Old Fogies. As of January 1, 2004, all Retirees may start working for their 2K (Rocking Chair) seal.

New Waterkant - The DSW seals which were given out at the parking lot net at the 20 May 04 to 23 May 04 gathering of the "Award Hunters Waterkant" are now collectible.

Springbok - Safari Special worksheets are to be in to the CM, KC4RHW, by 31 July 2004

Tango - Please send all inquiries about certificates to the certificate manager, Martin, W3/LU1CBL, in Maryland, USA.

10-10 INTERNATIONAL NEWS

These Chapters are known to have suspended net operation for the Summer: Branding Iron I & II; City of Roses/Portland Bridges; Outlaws on Ten; Restoration Project; Trail Drivers

List of chapters that accept Email upgrades (as of 1 June 04)

All of the listed chapters generally need previous, new, and total points and seals claimed. Any transaction with the CH 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 below.

Alii - CM WH6S, wh6s@hawaiian.net. Use form available from the CM.

Battle Road - CM K1IEQ, k1ieq@juno.com

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

Bay Area - CM AC6FU, Jack_Ruckman@msn.com (Bay of Bridges) All others to K6RDK, k6rdk@smrn.com

Boomtown - CM N5EBA, ed_cisse_neal@yahoo.com

Bounty Hunters & Outlaws on Ten - CM WD5EDR, wheberling@satx.rr.com

Borinage - CH/CM ON4CN, claude@on4cn.org *Website - <http://www.chapterborinage.be.tf>

Branding Iron - CM KA5VVD, xit@seacove.net

Branding Iron II - CM N5XJD, n5xjd@seacove.net

Cast Iron Tower - CM DL5DXS, dl5dxs@web.de

Castle Craig - CM N1API, n1api@cox.net

***City of Roses/Portland Bridges** - CM KD7UZ, kd7uz@arrl.net

Colorado Centennial - CM N0CKW, chalice@comcast.net

Colorado Frontier Gang - CM WB0CON,

wb0con@comcast.net Website -

<http://home.comcast.net/~wbocon/>

Colorado Quarter-Master - CM KC0CMZ,

kc0cmz@qrzdx.com

Cradle of the Confederacy - CM N4OZN, n4ozn@charter.net

***Down Under** - CM ZL1KQ, via zl1kq@xtra.co.nz

Electric City - CM WA2OIZ, istillwell@cfl.rr.com

Fort McHenry (including Cornerstone & Yodar Kritch) - CM K3TUIJ, k3tuij@juno.com

GB Ten - CM G4KHF, gbten@globalnet.co.uk

Gold City - CM N4WAB, n4wab@linkamerica.com, Use on-line upgrade at website, collected seals to CM

Great Lakes - CM WA8OXS, wa8oxs@juno.com

Houston S.H.O.T. - CM N5AFV, afmattis@hal-pc.org

Kansas Trails - CM KB6UPG, kb6upg@willmar.com Keystone - CM KA6GPC, ka6gpc@aol.com

Lake Geneva - CM W4KM, w4km@cox.net

Laurel Mancunium - CM G3RRM, g3rrm@aol.com

Major League Baseball - CM NS2M, kc2gcl@aol.com

Minuteman/Old Ironsides - CM WA1ENO,

waleno@hotmail.com

Neanderthal - CM DL2KG, dl2kg@aol.com

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

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

***Oceans of the World /Suncoast** - CM KA4RVZ, k4drz@netzero.net

Oregon Trailblazer - CM KD7FZY, ckckd7fzy@webtv.net

***Peshtigo Fire** - CH KE9MA, ke9ma@charter.net - also need number of contacts

Portland 500 - CM K7PRZ, k7prz@isp.com

Republic of Texas - CM WD8JKV, rayjkv@netzero.net

Restoration Project/Feline Friends - CM VE7ACM, catsncar@uniserve.com

Route-66 - CM KA9ADD, ka9add@qsl.net or ka9add1@juno.com

Santa Fe Trail - CM KB0ON, kb0on@kconline.com

Sky Blue Waters/Tin Lizzie - CM WB0RCC, cedwards@isd.net Also submit total contacts, basic number(s) with current point value, 10-10 number with date of expiration.

South Texas Lighthouse Brigade - CM N5DAS, n5das@juno.com. also total contacts, and date of issue of original certificate.

Space Coast - CM WB1DBZ, wb1dbz@gnc.net

Springbok - CM KC4RHW, kc4rhw@comcast.net

Steamboat Plus - CM KD5DE, kd5de@nwla.com

Steel City - CM KE9WZ, ke9wz1@netzero.net

***Suncoast** - CM KA4RVZ, k4drz@netzero.net

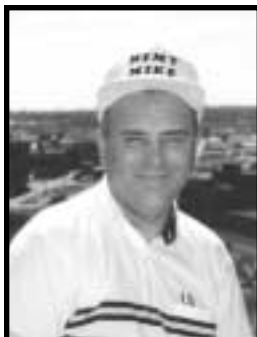
***Trail Drivers** - CM N5SCA, n5sca@sbcglobal.net

Twin Cities - CM K0DBK, k0dbk@comcast.net

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 Manager, K5FBS, Cliff Taylor via email at catk5fbs@aol.com or via "snail" mail to 22707 Red Mountain Drive, Elmendorf, TX 78112-6034. This column must be in to the editor of the NEWS no later than the first week of the month of March, June, September, and December. So in order to make the deadline and if you want your chapter information in the current issue, it needs to be in hand by the 20th of February, May, August and November.

Often chapter news or special information is received too late to make the issue on a timely basis. The column for the January issue for instance must be submitted to the editor on the 1st of December. So if your special is to run 1st through 31st December, it should be in hand prior to 20th August to be in the October issue, as the following issue of the News will not be out until January after your special is over.

Chapter information is printed on a space available basis; sometimes not all information received can be printed. The deadline for the next issue of the News is the 20th of August.



Mike Davidson
N5MT #24949

The summer months have brought on a change of propagation that can be described as a quiet stream running down to a bigger river and finally out to sea. You get the burst of signals with short skip that may last a few minutes or hours, followed by DX skip which rolls in and out more quickly and finally that rare opening of crooked path or long path DX that might pop in during a contest.

Much of what you hear on ten meters will depend on how far your antenna is off the ground. Low antennas under 32 feet will hear about one third of what is in the air. Moving the antenna up to 65 feet will double or triple what you hear. Adding elements on the antenna will give you more power and boost the received signal. If your antenna is up at 125-150 feet, the world will call you.

Rare openings occur more likely during contest weekends when there are more stations calling CQ. My radio is just inches away from the computer where I read email and collect data for this article. I usually have the squelch turned up, so that the static is not pouring out the speaker and I can have a quiet time to read mail. As things pop up on 28345, I can reply as time permits. Most summer days are quiet except for the South American DX that will drift in. Like many others, I will be just listening, waiting for that brief short opening to occur.

Whenever I work a new 10-10 country, I consider that a good accomplishment as a new one is hard for me to find. One of my reasons for writing this DX article is to keep up with the DX information needed to find members going places. A good example of this was the 5V7C DXpedition to Togo by Dany **F5CW** #49137 in mid-March. I was hoping for a few new band contacts, but I had to settle for 10, 15 and 17. Still waiting on QSL cards for Europa TO4E and Togo 5V7C.

Congratulations to Ken **G3XPO** #70614 for submitting a new 10-10 country for Bhutan A5. Ken worked Jim Smith **VK9NS** #47404 when Jim was A52JS back in May 2000. Ken has worked his way up to one hundred countries over a very short period of time. **As of June 2004, the 10-10 country count is now 313 confirmed.**

There are presently twenty-six countries that have never had any 10-10 activity. I want to list them into two groups, the easy list and the challenger list. The first will be the countries that will be the easiest to work. The second will be those challenger countries that will be the last expected to be worked and they could take three Solar cycles before ALL are credited as worked for a 10-10 country.

Eleven make the easy list: **SMO Malta 1A** is a small private enclave located in Rome Italy; **Madagascar 5R** located east of Africa in the Indian Ocean; **Rwanda 9X** is in central Africa; **Pakistan AP** is west of India on the north edge of the Indian Ocean; **Vatican HV** is located in Rome, Italy; **Jan Mayen JX** is north of Iceland; **Malyj Vusotskij Island R1MV** is next to Finland; the **Congo TN** is in central Africa; **Cambodia XU** and **Laos XW** are just west of the Philippines; and **Tokelau Island ZK3** is close to New Zealand. The Vatican and SMO Malta are surrounded by Rome but local politics has limited activity each year. Jan Mayen is a remote location with no resident ham. All have airport service except Tokelau.

Fifteen challenging 10-10 countries: **Nepal 9N** next to India; **Scarborough Reef BS7** off China; **Qatar A7** & **Iran EP** in the middle East; **Reunion Island FR**, **Glorioso Island FR/G** & **Crozet FT/W** in the Indian Ocean; **Franz Josef Land R1FJ** north of Russia; **Mt. Athos SY** a monastery in Italy; **Heard Island VK0** & **Macquarie Island VK0** both west of Australia; **S. Orkney** and **S. Shetland Islands** in the South Atlantic; **Andaman VU7A** & **Laccadive Islands VU7L** just south of India.

Most of these places have little ham radio activity yearly, some are remote locations with civil unrest or military activity that keeps them isolated. There is a chance that a place like Mt. Athos with one resident ham will become a member if someone sponsors him. I have sponsored several DX members over the years that have gone to rare DX spots. These members have helped increase the country count up over 300 during the past five years. From now to the end of Solar cycle 23, I expect four DXpeditions to visit these fifteen countries. It will take the next solar cycle to generate renewed activity to put this rare DX on the list of worked 10-10 countries.

I worked three nice 10-10 prefixes this past quarter, all worked in March: Turks and Caicos Islands VQ5A by John **WE3C** #48049, was there for the WPX contest; Antigua V26DX operated by Robert **N5NJ** #8974; Togo 5V7C by Dany **F5CW** #49137. There has been little activity for the DX award this quarter. In the past year, only 7 basic certificates and twenty-six upgrades were issued. **10-10 DX Net on 28555 will be off the air until the fall season in late October 2004.**

=====

General 10-10 DX reported in the past quarter:

4U1UN United Nations HQ. Activity by the club station on May 17th. The operators were Dimitri **N2OW** #54234 and Andy **RW3AH** but no activity on ten reported.

8Q Maldives. Tadao **JA1WPX** #31865, was active as 8Q7WP from the Maldives (AS-013) from May 4-9th. He operated on 10-40 SSB, CW and RTTY. QSL via home call, please use 1 new IRC or 2 USD for postage return.

A6 United Arab Emirates. Operators David **K1ZZ** #4852, Robert **K3EST** #7880, and Atilano **PY5EG** #31883, used A61AJ in the CQ WPX CW Contest in May.

ES Estonia. Vello **ES1QD** #54271, was active as ES0QD from May 21-24th while on Muhu Island EU-034.

I Italy. Stefano **IK6VGO** #64613 was active from the lighthouse at Senigallia from May 15-16th.

JW Svalbard. Marq **CT1BWW** #64689, plans to operate as JW/CT1BWW from Svalbard from June 7-14th. He may be joined by others, and they could have up to 3 stations active. Web site: <http://www.ct1bww.4t.com>.

K USA IOTA NA-079. Dennis **K7BV** #5414, Ivars **KC4PX** #8549 and four others, will operate with callsign **K4T** from the Dry Tortugas National Park, from June 27th - July 1st. They will be on HF, 2 and higher from **EL84**.

LZ35 Bulgaria. Goshu **LZ1ZF** #38328, is celebrating his thirty-five years in Amateur Radio by using **LZ35ZF**.

P4 Aruba. Bob **W6FRH** #69648, was active from Aruba as **P40RH** from March 13-18th. He was active SSB and CW. QSL's need to go direct to Bob or via the USA bureau as the P4 bureau does not handle guest QSL's.

V3 Belize. Don **N5DD** #32255 and wife Amy **KC5DJL**, operated from southern Belize as **V31AD** from March 13-20th. Web site: <http://www.dxpiloup.net>.

V4 St. Kitts & Nevis Is. Larry **KJ4UY** #16308 was active as **V47UY** until April 30 on CW/SSB/RTTY/PSK.

V6 Micronesia. Sho **JA7HMZ** #30900, was active on the airwaves as **V63DX** in CW/SSB on 40-10 meters from Pohnpei Island from May 24-27th. QSL via **JA7HMZ**.

VK Australia. Bruce **KD6WW** #13040 and others were on as **VK6AN** from Viney Island, IOTA OC-071, from April 27th to May 2nd. Bruce and friends also stopped on Long Island and operated as **VK6LL**.

VQ5 Turks & Caicos Islands. David **W5AO** #6506 was active as **VQ5V** in the CQ WPX CW Contest in May.

YU Yugoslavia. Rene **DL2JRM** #69623, is heading for Kosova, Yugoslavia. He will be active until June 10th as **YU8/DL2JRM** with a 100 watt rig.

ZS8MI Prince Edward & Marion Islands. Club station **ZS8MI** #64647 was active from April 7-30th. Activity was mostly 20 & 15 meter SSB and no 10 meter spots were recorded by the DX packet clusters. QSL via **ZS6M**.

Upcoming DX & New 10-10 Activity:

C9 Mozambique. Frosty **K5LBU** #51322 and Andrea **ZS6WPX/C91Z** #73604, are putting together a team to go back to Africa in December for ten days. They cancelled a planned IARU contest trip in July as only one operator had stepped forward to go along. Anyone interested, contact Frosty via email at frosty1@pdq.net.

DL Germany. Steve **DL5DXS** #68916 sent this: "I want to be active from the Island of Usedom between June 3-17th using 100 Watts RF and vertical/dipole antennas. 73 GL on the bands. Steve CM-Cast Iron Tower."

FP Miquelon. Peg **FP/KB9LIE** #9937 and Paul **K9OT**, will be on Miquelon (NA-032) from the evening of July 2nd until noon local July 11th. This is a 100 watt operation on all bands from the ham-friendly Maxotel. They will have a 6 meter beacon on 50.120 MHz. An emphasis will be put on 6 to 17 meters SSB by Peg and 30 meters through 160 meters CW by Paul. Web site: <http://www.mhtc.net/~k9ot>.

KP2 US Virgin Islands. Ann **W2AZK** #70464 and Brian, **KF2HC/KP2** are operating SSB and CW from St Croix, US Virgin Islands (NA-106) from June 5-12th.

XE Mexico. Susan **XE2/W7KFI/MM** #72973, is on a sailboat that will try to sail around-the-world in three years. Susan is 70 years old, and while off the west coast of Mexico, she talked with John **K4BAI** #45389. Susan doesn't necessarily sign /MM but is sailing solo on her 32-foot sailboat. She will be in Mexico for the summer then sails westward to French Polynesia in the fall.

Propagation: In the USA, the Summer months, give us the worst DX season with some skip into South America, Australia and South Pacific. We will not hear Europe and Asia until October. This is the main reason the Sunday DX net on 28555 is on vacation until October. We continue to endure a decline in the Solar Flux that will ultimately take us to the bottom of Solar cycle 23.

The six-month prediction is for the Solar Flux to range from **78-112** for the Summer of 2004. Expect fewer DX openings until the cycle ends in early 2007.

Cycle 23 is now 7-8 years old. The flux has now moved into a low range resulting in a few DX openings in the afternoons. **On June 6th, the Solar Flux was 85 the A index 10 and K index 3**, which is a twenty points lower than three months ago. The flux continues to stay near the 100 mark. I expect from January 2005, the flux will stay below 100 for four years which will be a year after the next Solar cycle 24 begins. The elevated A & K indexes are a sign that signal absorption is higher in the upper atmosphere and less signal is skipping. Combine that with the low flux results in poor DX skip conditions.

Expect the best conditions on June 11-16, July 7-10 and August 3-5 & 29-31. USA stations, expect a 5% chance of DX to Asia, Europe or Africa and a 50% chance of working into South America or Pacific in the afternoon. The beacons from **28.175-28.300** will tell you what is open, especially 28.200. Good luck.

New DX member March to May 2004: 74010 VA7JW.

Countries Award: There are 603 basic certificates, I processed 1 basic award and 6 upgrades this past quarter. I can email a list of your country credits for the asking.

Note: Information on IRCs/US\$ needed for postage to the USA is at: <http://www.qsl.net/w9ol/ircchart.txt>.

QSL help: <http://files.billnjudy.com/>.

Solar Forecast: <http://www.sel.noaa.gov/forecast.html>.

Lightning: http://www.lightningstorm.com/tux/jsp/gpg/lex1/mapdisplay_free.jsp.

Thanks to the DXNL, The Daily DX by **W3UR** #25731, **QRZ-DX**, Lee **KH6BZF** #8888 & Ohio/Penn DX Bulletins. Send photos/info to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA Email: N5MT@aol.com

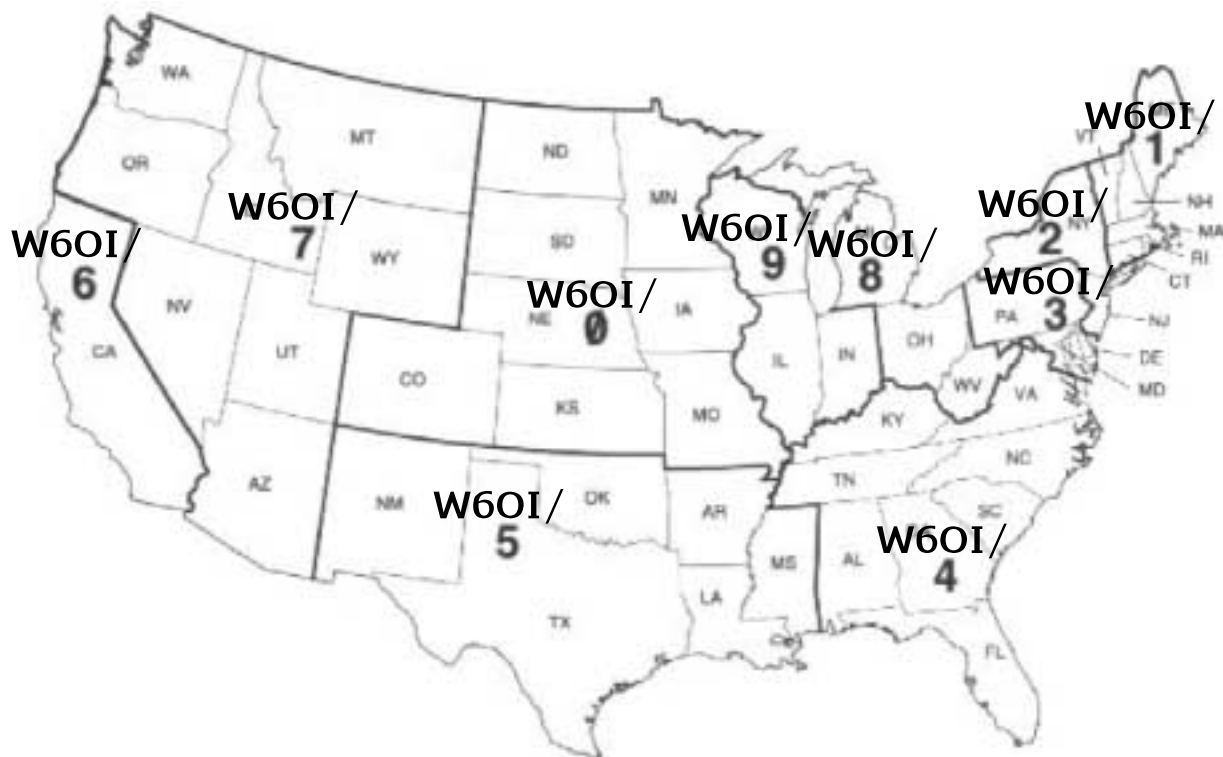
DX IS!

73 Mike Davidson **N5MT** #24949

W6OI

SPECIAL EVENT

NOVEMBER 27-28, 2004



Ten-Ten will celebrate four decades and nearly 75000 members by operating W6OI #109 (Ten-Ten Club Station) in all ten call areas.

A certificate will be given for working all call areas and special QSL cards for each call area worked. We hope to make this an annual event.



Trent KD7INP #73579 and his wife Lucille were found working as Park Hosts at Fort Rock State Part in Lake County in the Oregon high desert country near Christmas Valley by Bob K7QXG #05956 and his xyl Shirley.

Trent has two dipoles up. One for 160M and the other for 80 M, but he manages to get on 10 and 20 using a tuner. Despite lousy band conditions, he has made a few nice contacts on 10 meters using these antennas, and when 10 is dead he can be found making contacts on the other bands.

Bob visited them for a while one day and, on his way home, made a few contacts with members on 10 meters with his 20 watt mobile.

Bob says if any members of 10-10 who are retired and are roaming around the country with an RV might be interested in serving as a park host at this location, send a letter to K7QXG or KD7INP for details. There are no campers at this park and you are permitted to put up wire antennas.

From the 10-10 Mailbox

Jerry K0LSJ #72003 writes about a mobile antenna.

"Because this is so simple, I suspect hams have done this many times.

There is a 4' CB antenna from Radio Shack that will, with very little effort, work well on 10 meters.

This antenna is #21-974 and sells for about \$15. Removing the tuning slug and taking off 6 to 8 turns puts this thing on approximately 28.4 MHz. If you remove too many turns, unwind one more and bend the

wire vertical. Shorten this vertical portion for resonance. SWR on my car is 1:1 at 28.4 and 1.5:1 at 28.8.

There is no apparent difference between this antenna and a full length stainless whip. Receive and transmit signals were the same on both.

This antenna has been in use for several years with a Radio Shack HTX100 and most recently with a 706mk2.

The best part is.....I can park my car in the garage without removing the whip!"

editor - thanks for the tip Jerry!

**WWW.TEN-TEN.ORG WWW.10-10.ORG WWW.TEN-TEN.ORG
WWW.10-10.ORG WWW.TEN-TEN.ORG WWW.10-10.ORG
WWW.TEN-TEN.ORG WWW.10-10.ORG WWW.TEN-TEN.ORG
WWW.10-10.ORG WWW.TEN-TEN.ORG WWW.10-10.ORG**

NOW IT WORKS BOTH WAYS !!!

NOWY TAKES A VACATION

by Steve NOWY #68684

This year Sandy, my xyl, and I decided to take a trip up to Anchorage, Alaska to visit my son Garry and his family. They had a new edition a few months back and since we had never seen our newest grandchild, off we went! Hold it!!! Isn't that where Lloyd KL7JGN #27834 lives? It sure is! I got on the internet, tracked him down and sent an e-mail asking if he had some free time we could get together. Wasn't long before we started making plans to do just that.

Shortly after our arrival in Anchorage, we got together with Lloyd and his xyl at what looked like a little cafe tucked into a little strip mall. What a treat! We had some of the best chicken and dumplings I ever dug a spoon into. We even got the waitress to take our picture. I'm the big guy on the left (yes, that's my xyl I have my arm around).

After lunch, they took us for a sightseeing trip along the Cook Inlet and then back to their house where we talked radio for a while. In Anchorage, the band was worse then dead, so making contacts was out of the question. Lloyd says it's like that during the summer, so they play outside. During the winter when going outside is prohibitive, then the bands open up and he can make use of his Force 12 antenna.

The rest of the trip was spent pretty much with my son and his wife and four kids. We really enjoyed ourselves and took lots of pictures. We had a chance to do some more sightseeing and found a lot to do in the few days we were there.

The third picture down is a picture of the Portage Glacier. Small icebergs break off and drop into the lake seen here. The lake is a milky color from the silt left after the glacier ice melts. Some of the icebergs not yet melted were a very bright blue in color from the density of the ice.

The bottom picture is actually taken at a wildlife refuge that you can drive through. All the animals are behind wire fences but if you put your camera lense up to the fence, you can get some absolutely beautiful pictures. The one here is a couple of bison with the local ever-present snow covered mountains right behind.

Bottom line is, it was a wonderful trip, beautiful scenery, enjoyable company, and a nice side trip with a great ham (thanks Lloyd!!!). If you ever have the chance to visit our 49th state - you need to do so!!!

Many 73 and will be listening for Alaska from Nebraska this winter.



A letter to the Bureau

Just received my spring issue of the Ten Ten NEWS and see I have a card or two at your bureau, so here are six envelopes which will probably last a while. I have been a Ten Ten member since November 1, 1970 and will be 94 on August 5th. Still spend quite a bit of time on the radio, especially when ten meters is open. Have been an amateur since 1949 when I was about to transfer to the Navy fleet reserve after twenty years of service. In October of 1950 I was recalled to active duty and spent another three and a half years at Great Lakes, Illinois as an instructor in the electrical schools, finally returning to civilian life in 1953.

An old friend of mine K5MRU (Grace #00218) had told me about Ten Ten when it first started, but I did not get into it until later. Also have 46 years in MARS (5 Army and 41 Navy).

For thirty years I operated the station at the Franklin Science Museum in Philadelphia and was trustee of it for some twenty years. It was W3TKQ then, and later W3AA (#13147). We lost our space over a year ago and the station is now operating from

Northeast High School in Philadelphia, and not very active due to school times and operators.

My son John KA3PLR is also a Ten Ten member #63075 and I have been trying to get my daughter Pat K4PMB interested, but she has too many things going on.

Thank you, Bob and Shirley, for opening the Bureau and hope it does not prove too much of a chore.

Rolland E Madara, Lt USN Ret
W3PWG #01538

Someone in Ireland is looking for Someone in North Carolina

Declan EI9HQ #71019 will be visiting Cape Hatteras NC for the ARLHS Convention October 6-9, 2004. He would appreciate the opportunity to participate in the Ten Ten Sprint on October 9-10 from a ham shack in that area. **CAN ANYBODY HELP?**

Replies via e-mail to ei9hq@utvinternet.com or snail mail address on QRZ.com.

TEN TEN BOARD MEETING - JUNE 12, 2004

NOWY

KR7RK

K5FBS

K5CC

AA7ZW

WA9TSG

KJ4FM

WA2SUH

W6YLJ

NC6V

K7BOI

10-10 INTERNATIONAL NEWS

T E N T E N C O N T E S T R U L E S

(6.2.4 UPDATED ON 7/1/2004)

6.2 10-10 QSO PARTIES

10-10 QSO Parties are contests 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 Anniversary and Mobile QSO Parties are specialty contests and do have additional rules.

6.2.1 WHO IS ELIGIBLE?

Contests 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 contest. Other logs received will be handled as checklogs. Checklogs are used to validate (check) other logs but do not receive awards.

6.2.2 WHEN ARE THE QSO PARTIES?

There are currently five QSO Parties held through the calendar year:

Winter Phone Contest - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC Saturday through 2359 UTC Sunday.

Sprint - a 24 hour contest held on October 10th (10/10)

0001 UTC through 2359 UTC.

Fall CW Contest - held on the last full weekend in October

0001 UTC Saturday through 2359 UTC Sunday.

6.2.3 FREQUENCY AND MODES

Direct unassisted contacts only are permitted. Repeater, Satellite, IRLP or any other similar types of assisted contacts are NOT allowed.

CW Contests should be operated in the CW portion of the 10 meter band and operated using CW and/or any Digital mode (RTTY, PSK, etc).

Phone contests must be operated in the PHONE portion of the 10 meter band and may be operated using any approved Phone method (SSB, FM, AM).

The SPRINT utilizes both CW and Phone portions of the 10 meter band.

NOTE: A QUIET ZONE between 28.490 and 28.510 shall be in effect during contests using the Phone portion of the 10 meter band to allow for non-contest use of the band.

6.2.4 ENTRY CLASSIFICATION

Entrant 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 contest.

CLUB: A Club must have a valid club station license issued by their National Licensing Authority. The Club must have active 10-10 membership. The Club call must be operated by a minimum of one active member of 10-10 who is also a member of the club submitting the entry. Club entries must additionally list the call, name and 10-10 number for all operators. Operators entering under a club entry may also enter an individual log for contacts made using their own call sign. (Club entry updated effective 7/1/2004)

6.2.5 TRANSMITTER INFORMATION

An operator may operate mobile, portable or fixed. If they change their exchange QTH during the contest, the operator must show same in their log. The operator may enter a log from only 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.

6.2.6 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.

6.2.7 QSO POINTS

Two (2) points are awarded for contacts WITH a 10-10 number.

One (1) point is awarded for contacts WITHOUT a 10-10 number.

Duplicate entries should be retained in log and show a zero[0] for points.

Any log showing 10% or more errors may be handled as a checklog.

A station may be counted only once regardless of mode.

6.2.8 CHAPTER SCORE ASSIGNMENT

Except for the Sprint, any active member may assign his/her score to any single affiliated 10-10 chapter of which he/she is a member.

6.2.9 CONTEST ENTRIES

Logs shall be forwarded to the Contest Scorer 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 contest. 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 checklog. Any logs received more than 15 days after the contest entry deadline, regardless of postmark, will be discarded.

6.2.9.1 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.

LOG 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.

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.

6.2.9.3 ENTRY DEADLINE

Entries for all contests listed EXCEPT the Sprint shall be postmarked no later than 15 calendar days (this will always be a Monday) after the close of the contest. 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.

6.2.10 CONTEST RESULTS AND AWARDS

Contest results will be posted on the 10-10 web site about 15 days after the closing deadline for the contest, 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) and each DX Country, and for top QRP, CLUB and CHAPTER.

6.2.11 ANNIVERSARY QSO PARTY

This event runs from January 1 0001 UTC to December 31 2359 UTC. Entrants may submit a log of contacts with members that have 10-10's anniversary year contained in their membership number.

Example: 2002 is the 40th anniversary year of 10-10 International Net, Inc. Contact with members containing a "40" in their membership number (i.e., 72040, 69405, 64054, 40126, 00407) would count toward the contest. Each year the anniversary number changes, making a new group of members the focus of the contest 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, Name, QTH, with members containing the anniversary year in their membership number as described above.

Contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.) but all contacts must be made direct and unassisted. NO repeater, satellite, or Internet assisted contacts are permitted. The contact mode must be recorded in the log entry.

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 Sign, Name, QTH and Mode, in that order.

This contest is for Individual entries as described in section 6.2.4 and certificates will be awarded for the Top Ten, however all entrants will be listed in the 10-10 NEWS.

Logs shall be forwarded to the Contest Scorer as identified in the 10-10 NEWS or on the 10-10 web site. Logs MUST be postmarked no later than January 15th of the year following the anniversary contest year entered. Only members in good standing (with dues paid) are allowed to submit logs.

6.2.12 MOBILE QSO PARTY

This event is held on the third Saturday in March from 0001 to 2359 UTC. All general rules are applicable with the following exceptions:

Fixed stations contact mobiles, mobiles contact everyone. Mobile applies to vehicular, marine, aeronautical or other mode of transportation. If in doubt, contact the Contest Manager. A station operating a mobile entry must be a true mobile. Sitting in the driveway and using the base station antenna or amplifier, or using commercial power is not permitted. RV generators are permitted only if the generator is used while in transit (moving).

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.

The contest exchange shall be Call, Name, State, 10-10 Number (if a member, zero(0) if not), and county (if applicable). Only counties in the USA, Canada and England may be used as a multiplier.

Count one point for each contact whether a member or not. Fixed stations multiply the number of contacts by the number of different counties worked. Mobile stations multiply the number of contacts by the number of different counties worked PLUS a bonus of the number of counties worked from.

All stations must submit separate logs for the counties worked from. Log scores will be combined by the contest manager.

Logs shall be forwarded to the Contest Scorer as identified in the 10-10 NEWS or on the 10-10 web site. Logs MUST be postmarked no later than 14 days after the end of the contest. Only members in good standing (with dues paid) are allowed to submit logs.

6.2.13 FOR MORE INFORMATION

Current information about 10-10 and upcoming 10-10 QSO Parties is always available on the 10-10 web site. Contest cover sheets, logging forms and dupe sheets are also available for downloading or printing. The address is <http://www.ten-ten.org>

Any unanswered questions regarding the QSO Party rules may be forwarded to the Contest Manager.

TEN TEN CONTEST RESULTS

Mobile
Contest

March 20, 2004

CALL AREA 6

CALL	1010#	CTY/CTS	PTS
AD6RO	73843	014/022	0308
WA6FGI	71961	001/003	0003

CALL AREA 7

CALL	1010#	CTY/CTS	PTS
AC7GP	68357	009/009	0081
AC7HI	69139	009/009	0081
N7VS	60964	004/006	0024
WB7X	73847	003/003	0009
K7QXG	05956	003/003	0009
WD7DX	73848	001/001	0001
AA7FK	53104	001/001	0001

HAWAII

CALL	1010#	CTY/CTS	PTS
KH6F	37649	009/012	0108

HONDURAS

CALL	1010#	CTY/CTS	PTS
HR/KP4GSC	70872	007/016	0112

QRP

CALL	1010#	CTY/CTS	PTS
AD5IF	73372	002/002	0004

CHAPTER SCORES

CHAPTER	LOGS	PTS
ColoradoCentennial.....	2	2736
LilacCity.....	2	0162
Cypress.....	1	0140
ALII.....	1	0108
ChesapeakeBay.....	1	0042
Portland500.....	1	0033
ArizonaDesert.....	2	0010
S.H.O.T.....	1	0004
CityOfRoses.....	1	0001

TOP TEN

CALL	1010#	CTY/CTS	PTS
AE0Q	72165	019/072	1368
AB0MV	69692	019/072	1368
AD6RO	73843	014/022	0308
WD4GEO	71574	007/020	0140
HR/KP4GSC	70872	007/016	0112
KH6F	37649	009/012	0108
AC7GP	68357	009/009	0081
AC7HI	69139	009/009	0081
K2HVE	73125	005/016	0080
N3TGB	68129	007/006	0042

CALL AREA 0

CALL	1010#	CTY/CTS	PTS
AE0Q	72165	019/072	1368
AB0MV	69692	019/072	1368

CALL AREA 1

CALL	1010#	CTY/CTS	PTS
W1SIX	35346	003/003	0009

CALL AREA 2

CALL	1010#	CTY/CTS	PTS
K2HVE	73125	005/016	0080

CALL AREA 4

CALL	1010#	CTY/CTS	PTS
WD4GEO	71574	007/020	0140
N3TGB	68129	007/006	0042

CALL AREA 5

CALL	1010#	CTY/CTS	PTS
W5FBK	28836	003/011	0033

CW/Digital
Contest

May 1-2, 2004

CALL AREA 6

CALL	1010#	CONTCS	PTS
AD6RO	73843	009/000	0018
KI6OY	50948	005/000	0010
K6ASK	50969	001/000	0002

CALL AREA 7

CALL	1010#	CONTCS	PTS
WB7X	73847	015/004	0034
AA7FK	53104	014/002	0030
N7VS	60964	004/000	0008

CALL AREA 8

CALL	1010#	CONTCS	PTS
W8JSM	00934	003/001	0007
AA8CH	56611	003/000	0006
W8PJY	14574	002/000	0004
W8LBQ	08886	002/000	0004
KA8ABR	71829	001/000	0002
KJ8K	67606	001/000	0002

CALL AREA 9

CALL	1010#	CONTCS	PTS
WG9F	34055	001/000	0002

NEW ZEALAND

CALL	1010#	CONTCS	PTS
ZL3KR	06251	021/003	0045
ZL1LE	23497	014/002	0030

QRP

CALL	1010#	CONTCS	PTS
WA6VLS	27158	000/001	0001

CHAPTER SCORES

CHAPTER	LOGS	PTS
PossumTrot.....	11	0317
CityOfRoses.....	2	0038
ArizonaDesert.....	1	0034
DownUnder.....	1	0030
C.A.T.T.....	6	0021
Cowtown.....	1	0016
Windfarms.....	1	0010
PineState.....	1	0007
Gateway.....	1	0007
S.H.O.T.....	1	0004

TOP TEN

CALL	1010#	CONTCS	PTS
N4ZCG	56067	020/007	0047
ZL3KR	06251	021/003	0045
KR4OE	62657	017/006	0040
KN4Y	17757	016/006	0038
KJ4RV	37776	018/002	0038
N4ERM	34524	018/002	0038
K4SHF	73837	010/015	0035
WB7X	73847	015/004	0034
ZL1LE	23497	014/002	0030
AA7FK	53104	014/002	0030

CALL AREA 0

CALL	1010#	CONTCS	PTS
N0WY	68684	005/000	0010
W0RTV	13962	003/001	0007

CALL AREA 1

CALL	1010#	CONTCS	PTS
W1LIC	46677	002/003	0007

CALL AREA 4

CALL	1010#	CONTCS	PTS
N4ZCG	56067	020/007	0047
KR4OE	62657	017/006	0040
N4ERM	34524	018/002	0038
KJ4RV	37776	018/002	0038
KN4Y	17757	016/006	0038
K4SHF	73837	010/015	0035
KU4W	20986	012/004	0028
KQ4PK	63201	011/002	0024
K4QHH	26040	008/004	0020
N4EWG	29730	010/000	0020
K0BHC	74080	009/000	0018
KE4HW	32054	007/001	0015
W4GTM	66628	007/000	0014
KC4JAN	56060	007/000	0014
KE4MVG	73931	003/003	0009

CALL AREA 5

CALL	1010#	CONTCS	PTS
W5GVP	11572	005/006	0016
K5CC	50708	004/000	0008
WX5I	67839	002/000	0004



**HAVE YOU CHANGED YOUR ADDRESS?
CHANGED YOUR CALL?**

**IF SO THEN YOU NEED TO UPDATE
YOUR RECORDS WITH TEN TEN!**

CONTACT THE DATA MANAGER

by e-mail at wa6poz@arrl.net
or by snail mail at the address shown on page 2

www.ten-ten.org

www.10-10.org

both good ways to get to the Ten-Ten website

Net Manager NET NEWS

BILL MARPLE
AA7ZW #62075



I had the pleasure of attending the National Association of Broadcasters Convention here in Las Vegas during April. The ARRL had a booth at the show, and members of our local club, The Las Vegas Radio Amateur Club (LVRAC) were staffing the booth to answer any questions. Several of our members attending are Ten Ten members. They are Bill, K8XC # 73195, Carolyn, K9XC #73194, Frank, KL7IPV #25520, Charlie, AA5QJ #54067, Dennis, N7HRO #26712, Pat, W6HST # 71857 and myself. Also, attending was our President, Chuck, W6YLJ #19636, his XYL Esther, KB6HW #23331, ARRL President Jim Haynie, W5JBP #28463, Retired ARRL VP Fried Heyn, WA6WZO # 8011 and his XYL Sandy, WA6WZN #12332. During the show, we talked to over 3000 hams and non-hams, all of which were in the broadcasting industry. I personally met many hams that are members of 10-10, and each and every one mentioned how well they thought we were doing with our nets. They also praised our net controllers for a job extremely well done. I love hearing these types of comments from our membership, as it

reinforces the fact that we are on the right track with our operations.

During the show, there is a Ham appreciation party conducted at the Las Vegas Hilton. Over 400 attended, and the President of Heil Sound, Bob Heil, K9EID #22300 sponsored the event. At least 100 nice prizes were raffled off to those in attendance, and Bob donated several of his Gold Line microphones, autographed by Joe Walsh, WB6ACU. If you don't recognize the name, ask your kids.

As most of you have become aware, the band has been very quiet, and it doesn't look real promising for a while. Summer probably won't bring any dramatic changes to the band, but for all of us long time 10-10ers, this will be the norm until late September. However, don't sell this band short, as we can have sporadic openings at any time. Keep calling and checking in on the nets. You might not be able to hear the net control station, but rest assured they are there. Listen for a relay station too, since all net controllers use one.

Now, for the results of the vote for Net Controller of the Year 2003. We have a three-way tie! There was a total 167 votes cast, and the three winners are Scotty, WA6TQC #71, Bob, N6OPR #45715 and Chris, N7PVL #58018. Congratulations to all three for an outstanding achievement, as recognized by our membership, and by myself.

To our members who voted, my sincere thanks for taking the time to recognize these fine individuals for the great job that they are doing, and have done during the last year. As always, I wish to congratulate all of my net controllers for the great job that they all do for the organization.

Until next issue, I wish you good DX, and 73

QUARTERLY NET REPORT

January, February and March 2004

28.380			28.800			28.380			28.800			28.380			28.800		
MONDAY NETS						WEDNESDAY NETS						FRIDAY NETS					
DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#
01-05	24	0	01-05	44	0	01-07	22	1	01-07	37	0	01-02	27	5	01-02	58	5
01-12	18	0	01-12	29	2	01-14	16	0	01-14	46	0	01-09	27	1	01-09	54	7
01-19	42	0	01-19	53	1	01-21	51	2	01-21	30	0	01-16	62	6	01-16	21	0
01-26	28	0	01-26	46	0	01-28	3	0	01-28	27	0	01-23	57	5	01-23	23	1
02-02	46	0	02-02	41	0	02-04	28	2	02-04	25	1	01-30	4	0	01-30	4	0
02-09	31	0	02-09	31	0	02-11	13	1	02-11	22	2	02-06	39	1	02-06	19	0
02-16	31	0	02-16	49	2	02-18	2	0	02-18	29	0	02-13	36	2	02-13	32	1
02-23	9	0	02-23	37	0	02-25	24	6	02-25	34	0	02-20	54	7	02-20	19	1
03-01	41	0	03-01	36	0	03-03	3	0	03-03	27	0	02-27	19	3	02-27	3	1
03-08	24	0	03-08	25	0	03-10	8	1	03-10	31	0	03-05	29	3	03-05	8	2
03-15	4	0	03-15	11	0	03-17	15	2	03-17	17	1	03-12	44	1	03-12	22	3
03-22	23	0	03-22	33	2	03-24	12	0	03-24	30	0	03-19	19	0	03-19	23	0
03-29	1	0	03-29	11	0	03-31	9	1	03-31	4	0	03-26	45	3	03-26	11	0
TUESDAY NETS						THURSDAY NETS						SATURDAY NETS					
01-06	48	3	01-06	43	1	01-01	64	3	01-01	16	0	01-03	23	0	01-03	27	0
01-13	38	8	01-13	31	0	01-08	45	2	01-08	14	0	01-10	41	0	01-10	26	0
01-20	50	6	01-20	38	3	01-15	70	4	01-15	41	0	01-17	19	0	01-17	26	0
01-27	43	4	01-27	37	0	01-22	15	1	01-22	16	0	01-24	52	0	01-24	14	0
02-03	6	0	02-03	45	1	01-29	22	2	01-29	20	1	01-31	3	0	01-31	11	0
02-10	32	6	02-10	41	0	02-05	50	3	02-05	10	0	02-07	17	0	02-07	10	1
02-17	52	6	02-17	35	1	02-12	38	2	02-12	43	5	02-14	19	1	02-14	19	1
02-24	7	0	02-24	48	1	02-19	54	3	02-19	25	0	02-21	21	3	02-21	18	1
03-02	62	6	03-02	29	0	02-26	60	5	02-26	19	0	02-28	13	1	02-28	27	3
03-09	46	4	03-09	19	2	03-04	29	1	03-04	29	1	03-06	14	0	03-06	23	0
03-16	41	3	03-16	19	0	03-11	29	0	03-11	25	1	03-13	17	1	03-13	25	1
03-23	27	2	03-23	24	0	03-18	58	5	03-18	19	2	03-20	22	0	03-20	14	0
03-30	6	0	03-30	3	0	03-25	59	8	03-25	22	2	03-27	15	0	03-27	13	0

22 IN ATTENDANCE AT 2004 HILL COUNTRY PICNIC



Back row (l to r) Jack K5CC #50708, Allen N5AFV #27571, Ray N5DAS #35877, Cliff K5FBS #48461, Mike N0QFV #07068, Janet KC5QCB #67897, Randy AJ5ZX #71083, Steve KG5IG #48653, Dan KC5GXL #67011, Bill WD5EDR #23693
Front row (l to r) Daryl N5SCA #57160, Darryl WA5AAO, Bob K5AUW #60095, Robert KA5VVD #42188

The 16th annual Hill Country Picnic was held on 30 May at the home of K5CC. Twenty-two people attended. Ten meter conditions were average however a good parking lot net was held with several out-of-area checkins.

Ten-Ten members attending were: Jack K5CC #50708, Cliff K5FBS #48461, Bill WD5EDR #23693, Robert KA5VVD #42188, Dan KC5GXL #67011, Randy AJ5ZX #71083, Janet KC5QCB #67897, Mike N0QFV #07068, Allen N5AFV #27571, Daryl N5SCA #57160, Steve

KG5IG #48653, Bob K5AUW #60095, Ray N5DAS #35877. Visitor: Darryl WA5AAO

Club Stations: W6OI 10-10 Club Station #00109, W5SC San Antonio Radio Club #20365, WD0SFT Santa Fe Trail Chapter Club Station #37933, WR5CRA Cove Repeater Association #68189, W5ND Orange TX Amateur Radio Club #69979, W5RPT Memorial Emergency Radio Assn #67858, KC5OIG Brazos Valley Amateur Radio Club #67832, W5DPA Houston Amateur Radio Club #34659.

**HAVE YOU CHANGED YOUR ADDRESS? CHANGED YOUR CALL?
IF SO THEN YOU NEED TO UPDATE YOUR RECORDS WITH TEN TEN!**

CONTACT THE DATA MANAGER

by e-mail at wa6poz@arrl.net
or by snail mail at the address shown on page 2

10-10 AWARDS

To apply for any 10-10 Award, proof of paid-up membership is mandatory. A copy of your membership card or address label from the latest copy of the 10-10 International News must be sent with your application. An application listing the rules for each award is available from the appropriate Award Manager listed below. 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. Rules for all Awards are also available on the 10-10 web site located at <http://www.ten-ten.org>

TOP TEN HONOR ROLL

Award Manager:
Doris Slye
N3TGB #68129

#	CNTCS	CALL	10-10#
01	24600	WA5JDU	03017
02	21000	WB1DBZ	26001
SK	19400	W0RWC	00581
SK	17000	PJ2WG	27999
03	16700	W4WKQ	33299
04	16500	K5MRU	00218
05	14100	WB7NUU	17416
06	11600	K5GAY	11825
SK	11600	WA9LIC	01599
07	11500	K0PV	09902
SK	11400	N5CUQ	00040
08	10800	NS4M	41176
SK	10600	W9IAI	35140
09	10500	KB0ON	29849
10	10000	W6YRJ	11911
SK	10000	KS6A	08873



1000+ BAR AWARD

Award Manager:
Doris Slye
N3TGB #68129

1000 BAR
CERT # CALL 10-10#
none reported

2500 BAR
CERT # CALL 10-10#
none reported

5000 BAR
CERT # CALL 10-10#
none reported

500 BAR AWARD

Award Manager:
Dan Morris
KZ3T #41015

VP #	CALL	10-10#
3278	VE4HST	73606
3279	KB0ETI	53938



LUCKY 13 AWARD

Award Manager:
Dan Morris
KZ3T #41015

CERT #	CALL	10-10#
453	AC6FU	10937
454	K8MMB	70514

VP AWARD

Award Manager:
Carl Fisher
W0HIK #40678

CERT #	CALL	10-10#
	<i>none reported</i>	

CERT #	CALL	10-10#
538	AB0MV	69692
539	AD6RO	73843

CERT #	CALL	10-10#
204	ZL3KR	06251

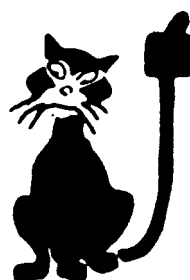
CERT #	CALL	10-10#
147	ZL3KR	06251

CERT #	CALL	10-10#
097	W0RTV	13962

WORKED ALL CONTINENTS AWARD

Award Manager:
Dick Corlew
NC6V #25057

CERT #	CALL	10-10#
602	DL2IAN	72712
603	K2JGL	70744



DX COUNTRIES AWARD

Award Manager:
Mike Davidson
N5MT #24949

CERT #	CALL	10-10#
603	N0QFV	07068

CERT #	CALL	10-10#
126	N0TW	36547

CERT #	CALL	10-10#
092	KC7OC	67668
093	N0TW	36547

CERT #	CALL	10-10#
064	N6JQI	46305

CERT #	CALL	10-10#
033	WA8YQR	12544

COUNTY HUNTER AWARD

Award Manager:
Brad Kimble
K0DBK #55192

CERT #	CALL	10-10#
503	KD7RX	38532
504	AA9TN	73712

CERT #	CALL	10-10#
097	KC6SEH	59098
098	W0RTV	13962

CERT #	CALL	10-10#
010	LU5HE	10334

CW AWARD

Award Manager:
Lee Zalaznik
KI6OY #50948

CW #	CALL	10-10#
083	WB7X	73847

CW #	CALL	10-10#
048	WB7X	73847

CW #	CALL	10-10#
032	PY2DBU	08264

CW #	CALL	10-10#
023	PY2DBU	08264

CW #	CALL	10-10#
009	HB9DOT	36694

CW #	CALL	10-10#
001	KN4Y	17757

10-10 AWARDS

OM/XYL AWARD

Award Manager:
Marcus Lieberman
KM5EH #71103

BASIC - 10 TEAMS

CERT #	CALL	10-10#
465	AE0Q	72165
466	AB0MV	69692
467	KH6F	37649
468	KH6ENC	57906
469	KJ6DB	71092
470	DH1PAL	69212
471	DF3TE	69610

25 TEAMS

CERT #	CALL	10-10#
123	DH1PAL	69212
124	DF3TE	69610

WORKED ALL STATES AWARD

Award Manager:
Eva Donaldson
WBØCON #53964

CERT #	CALL	10-10#
	none reported	

WPX (PREFIX) AWARD

Award Manager:
Al Longo
NN1J #41728

100 PREFIX

CERT #	CALL	10-10#
340	KJ6DB	71092

MOBILE AWARD

Award Manager:
Ed Redwine
K5ERJ #11843

MOBILE WAS AWARD

CERT #	CALL	10-10#
004	KA7ICF	46221

BASIC MOBILE AWARD

CERT #	CALL	10-10#
140	KO6LU	72620
141	KJ6DB	71092



GB COUNTIES & REGIONS CERTIFICATE

Award Manager:
Mike Crawshaw
G4BLH #18446

BASIC CERTIFICATE 5 COUNTIES/REGIONS

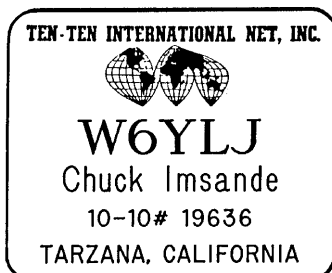
CERT #	CALL	10-10#
	none reported	



AWARD MANAGERS

Bar 100-900Dan Morris, KZ3T # 41015112 Royal Oak Ct., Lenoir, NC 28645(828) 728-5049 ..dbm72941mo@charter.net
 Bar 1000+Doris Slye, N3TGB #68129708 Doages Dr., Millersville, MD 21108-2132(410) 923-2811n3tgb@aol.com
 VP BarCarl Fisher, W0HIK #406785 Angelina Dr., Augusta, KS 67010-2262(316) 775-5900w0hik@aol.com
 VP WASCarl Fisher, W0HIK #406785 Angelina Dr., Augusta, KS 67010-2262(316) 775-5900w0hik@aol.com
 VP Lucky 13...Dan Morris, KZ3T # 41015112 Royal Oak Ct., Lenoir, NC 28645(828) 728-5049 ..dbm72941mo@charter.net
 WACDick Corlew, NC6V #250573213 Carolyn Circle, Oceanside, CA 92054(760) 757-9284nc6v@cox.net
 CountiesBrad Kimble, K0DBK #551923855 66th St. E, Inver Grove Hts, MN 55076-2222(651) 450-1173k0dbk@arrl.net
 CountriesMike Davidson, N5MT #249493518 Bellefontaine St., Houston, TX 77025-1310(713) 668-8408N5MT@aol.com
 CWLee Zalaznik, KI6OY #50948334 Olivina Ave., Livermore, CA 94551-6137(925) 455-0361 ..lee.zalaznik@sbcglobal.net
 MobileEd Redwine, K5ERJ #118439 Yellowrose Lane, Augusta, KS 67010-2230(316) 775-5700k5erj@aol.com
 OM/XYLMarcus Lieberman, KM5EH #711032300 Hurley Drive NW, Albuquerque, NM 87120-1013(505) 836-1724buckml@lobo.net
 WASEva Donaldson, WBØCON #5396412933 W Montana Drive, Lakewood, CO 80228-4244(303) 989-0475wb0con@attbi.com
 WPXAl Longo, NN1J #41728PO Box 94, Springfield, ME 04487-0094(207) 738-3268nn1j@midmaine.com
 GB Counties...Mike Crawshaw, G4BLH #1844650 Kibble Grove, Brierfield, Nelson, Lancs, England BB9 5EW01144 1282 613754g4blh@zen.co.uk

The Sign Man
of Baton Rouge
is Ten-Ten's
Official Supplier
of



**BADGES, QSL CARDS,
MUGS and CAN HOLDERS**
www.thesignman.com

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1" Pins - \$3.50 each or two for \$6.00
 3" Patches - \$3.50 each or two for \$6.00
 3" Decals - \$1.50 each
 SPECIAL - one of each for \$7.00



All shipments post paid (DX add \$1.00)

Please make your check or money order out to 10-10
International Net, Inc. and mail to:

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

sale profits go to the 10-10 Scholarship Foundation

10-10 SCHOLARSHIP FOUNDATION SUPPORTERS

The members listed below became 10-10 Scholarship Foundation Supporters during the months of March, April and May. We encourage all of our members to support the Foundation. The 10-10 Scholarship Foundation is a qualified 501(c)(3) tax exempt organization and therefore your contributions are tax deductible. If your employer will match your contribution, please let us know. Why not consider a chapter donation or an individual donation in memory of a fellow ham or loved one? If you haven't donated before, we want you to know that all donations, no matter how small, are appreciated and they do add up. Remember, if each active member would donate just one dollar, we'd make our goal with ease.

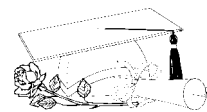
WB2ZFG.....	Philip Crepeau.....	00294
WB2SHZ.....	Robert Crepeau	04260
WB7OND	Richard Linder	13390
N8UU	Russell Beutler	20767
KG5RJ	Gregory Hall	26626
N5PDX.....	Elvin Lawson, Jr.	61376
KF2CH.....	Donald Bergreen	61707
N3NOP.....	Robert Fulton, Jr.	63098
N7WB	John Munger	63770
N1QM	Wayne Ackley	63941
KE3LE	Gordon Amey, Jr.	64582
KR2V	Joseph Ellman	71539
K1SL.....	Samuel Lollar, II	73856

I am still looking for volunteers to serve on the Scholarship Committee. The goals of the Committee are to oversee the operation of the Scholarship Foundation and the Scholarship Fund, to promote increased participation and to develop the programs necessary for the solicitation of contributions to support the Scholarship Foundation. Please contact me if you would like to help.

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

10-10 SCHOLARSHIP APPLICANT INFORMATION



Each year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, funds five \$1,000 scholarships, which are administered on its behalf by the Foundation for Amateur Radio (FAR).

Diane Zimmerman AA3OF, Chairman of FAR's Scholarship Committee, announced the five most recent winners of the 10-10 Scholarships in the October 2003 10-10 International News. Over the past 15 years, 10-10 has funded 51 scholarships valued at \$46,000.

Applicants must be licensed Radio Amateurs having HF privileges. 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. Foreign members should be aware that students who study outside the United States are also eligible to receive a 10-10 Scholarship.

It is suggested that every 10-10 member encourage qualified college-bound radio amateurs to take advantage of this opportunity by requesting an application package by letter or QSL card prior to April 30, 2005 from the:

Foundation for Amateur Radio
P.O. Box 831
Riverdale, MD 20738

Applicants, except those who are active 10-10 members, must provide an endorsement from a current active 10-10 member (one whose dues are current).

Completed applications must be received by FAR prior to June 1, 2005.

Want to help a ham in their
quest for higher education?

Give to the Ten-Ten
Scholarship Foundation!

This is a 501(c)(3) tax exempt organization and
therefore your contributions are tax deductible

For more information, contact:
 10-10 International Net Scholarship Manager
 Larry Berger WA2SUH
 9 Nancy Boulevard, Merrick, NY 11566-3119

W6OI #109 ON THE AIR

The 10-10 Club Station, W6OI, is available to any current (dues paid) 10-10 member or chapter for use as a special event station such as Field Day, Chapter gatherings, and Radio Conventions. Send a written application and copy of your amateur license to include dates and purpose of operation to:

JACK MOORE, K5CC
W6OI LICENSE TRUSTEE
371 RIDGE CREEK LN
BULVERDE TX 78163

QSL cards are available for special events.

W6OI was on the air for the Spring CW contest on May 1-2 and during the 10-10 Hill Country Picnic on May 30. Allen (N5AFV- #27571) made 22 satellite contacts using W6OI on the way to the Hill Country Picnic. Louise Chapman (N6ELK #36654) operates W6OI each Wednesday as the 10-10 Net Control beginning at 1800Z on 28.800 MHz. Please include a SASE (or use the 10-10 QSL Bureau) when requesting a QSL card via:

LOUISE CHAPMAN, N6ELK
310 CLARK AVE
LONG BEACH CA 90808

Paperchasers working W6OI can request the chapter list from K5CC. For CW operators, W6OI has a FISTS number.

Electronic Delivery of the 10-10 NEWS

If you're interested in received the NEWS electronically, e-mail the Data Manager at WA6POZ@arrl.net stating your delivery preference (download from www.linger.com or as an attachment to an e-mail). Also indicate whether you want to stop or continue receiving the NEWS via regular mail. You will be queried prior to the start of any action to outline the full conditions and again given a choice.

The NEWS is on the website generally about 2 weeks before it is delivered via US Mail or almost a month ahead of DX delivery.

10-10 QSL Bureau Update

Effective August 1st, 2004, DX members will be able to send QSLs to and receive QSLs from the 10-10 QSL Bureau.

DX Members must do the following:

1. Send two "business size" envelopes to the QSL Manager. (10.4 CM x 24.1 CM)
2. Put NO postage on the envelopes for the return.
3. Place your call in hand printed letters in the upper left corner of the return envelopes.
4. Be sure to address the envelopes to yourself.

The cost of return will be covered by donations from USA members, and it is not expected to exceed \$18 per year.

This program is not intended to replace the fine DX QSL Bureau managed by the ARRL, but will serve as a supplement for members only.

Please direct all inquiries to K7QXG@pcez.com or send postal inquiries to:

K7QXG, QSL Bureau Manager
592 SE Cypress Avaneue
Dallas, OR 97338-2932

CHANGED YOUR CALL SIGN?
CHANGED YOUR ADDRESS?

MAKE SURE YOU TELL US!
CONTACT THE DATA MANAGER
 (see page 2 for address/e-mail)

New Life Members

00706.....W8NOX.....Keith M Alexander
 01884.....W4CZV.....Elwood M Gentry
 17605.....K4HAVJames D Hardy

It is with sorrow that we note the following 10-10 members who are now Silent Keys. We extend our sincere condolences to the families and friends of these SK members whose calls and 10-10 number will forever be kept in the records of the 10-10 Net.

Silent Keys

Compiled and listed by
Ruth Bartholomew NØKDB #48715



01119	WA1HSZ	Robert Greenfield	St. Petersburg , FL	43565	W6DUU	Robert Ristrim	San Jose , CA
01551	W0BZT	Jack Linton.....	Joplin, MO	44496	N9EGP	Gill Lee.....	New Castle, IN
01583	W3VNA	Francis O'Conner..	Inver Grove Heights, MN	44691	WA6OPZ	Marshall Jacobson	Valencia, CA
02959	K6QWH	Howard Barnes	Sun City, AZ	45050	W0NI	Stanley Skwarlo.....	Shawnee Mission, KS
03952	WA5USU	Arthur Bergeron	Carlsbad , NM	46067	W0THG	Charles McCandless	Pueblo, CO
05203	W0JO	Joseph Kaniuk.....	North Lauderdale, FL	46521	WB5BHD	William Rector	Grove, OK
06717	WA2JOV	Stuart Mortensen.....	Baldwin, NY	46823	K8BI	William Mondeau.....	Howell, MI
06989	WB6PQJ	John Zaferis.....	Quartz Hill, CA	47600	W7HOT	Wilson Martin	Tucson, AZ
09471	WA6VYD	Burr Chambless Sr.....	Brunswick, GA	47772	NZ8D	Edward Wojcik.....	Ashtabula, OH
10334	LU5HE	Neldo Martino	Cordoba, Argentina	47813	N4OYV	William Gilbert	Fort Payne, AL
11053	K4CRX	Lloyd Matthews	Conyers, GA	49922	N4TUN	Herman Gardner.....	Cullman, AL
13588	K4EAJ	Roaul Wright	Oak Ridge, TN	50040	KD1HH	Fred Carroll Sr	Swanville , ME
14448	K3IC	John Frank Jr.....	Millersville, MD	50179	WA6CYF	Jerry Zakrzewski.....	Harper Woods, MI
15849	KD6TY	David Haimbach.....	Fresno, CA	50277	W7KRW	James Groll	Avilla, IN
18755	WA4DLL	Clark Evans Sr.....	Tampa, FL	52051	W7EQI	Paul Walden	Hood River, OR
18777	N4JT	Jeff Hutchinson	Merritt Island, FL	53027	N4CSF	Louis Raymond.....	Tucson, AZ
21164	WA1LHW	Carl Beckenbach.....	Greenwood Lake, NY	57026	AD4CY	Larry Byrd	Talladega, AL
22720	WB1ESS	Irving Warner Jr.....	Vineyard Haven, MA	58606	N9JST	Frank Hurst	Lebanon, IN
23097	WD4DHI	Henry Baggett	Ashland, AL	60599	WK3P	Herman Turner	Arnold, MD
23261	W2VHX	John Novack.....	Windwor, NY	60622	WA2HQB	Edward Maher.....	Hudson, FL
23885	K0ARA	Fred Davidson	Fort Dodge, IA	60695	KB2NXA	Richard DiFiore	Red Bank, NJ
24185	KD4BQ	James Walters Jr.....	Huntsville, AL	60993	KC6KRW	Bill Godfrey	Fullerton, CA
25146	W0RTY	E. Riley Morawitz.....	Center, MO	61316	KB5JRA	Eugene Bendler.....	Wyandotte, OK
26313	WD4BUL	Leon Nodine	Anderson, SC	62323	WA0UKE	David Bowder	Omaha, NE
27620	KA2DWV	Jay VanOrman.....	Niagara Falls, NY	62997	N9RDZ	Claud Sigman	Ft. Wayne, IN
28175	WA1OMZ	Randy Petruzielo	Meriden, CT	64037	N9NNA	James Raasch.....	Grafton, WI
28222	K0PUX	John Campbell	Independence, KS	67169	K1MAX	Maxim Jacques	Dresden, ME
29610	KA1LJ	George Brackett.....	Salem, MA	68537	AB0TC	Thomas Currier.....	Duluth, MN
30181	WA4TJW	William Parrot.....	Knoxville, TN	68740	W8IZZ	Don McKechnie.....	Dayton, OH
31364	N1AMD	George White	East Lyme, CT				
31405	WG7U	Jake Hitt	Nampa, ID				
31508	K0LV	Stanley McKean Jr.....	Leavenworth, KS				
32230	W5LLU	John Stewart.....	Houston, TX				
32640	N6EQW	Bernard Boress	Redlands, CA				
33785	N6FZO	Thomas Summers	Laguna Woods, CA				
34761	W6UVW	Harold Rowlette.....	North Highlands, CA				
36481	NA4W	John McKechnie	Auburndale, FL				
37033	W4AN	Bill Fisher	Alpharetta, GA				
37459	W3ZBF	John Stager	Erie, PA				
38161	KE8FQ	Marion Fryer	Washington CtHouse, OH				
40411	K1LBU	Malcolm Hilton.....	Bolton, CT				
42819	KA6BUY	Frank Spencer	Long Beach , CA				

Please send silent key information to
Ruth Bartholomew, NØKDB
10030 Plum Road, Sullivan MO 63080-6717
or email n0kdb@fidnet.com

Please include Call, 10-10 Number, Name, City and State, and date of death (if known - if not, please estimate as close as possible)

NOTE: 10-10 obtains SK Listings from various sources and errors could appear as many times they cannot be verified. We apologize for any errors. Please notify the SK Manager if any errors are found.

10-10 INTERNATIONAL NEWS

T E N T E N N E T G U I D E

15 JUNE 2004

DAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ	DAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ
M-F	1130	1230	Elmer J Fudd Net	PA	28340	WED	0300	0400	Edmonton Area Ten-Tenners (EATT)	VE	28520
SUN		0010	Twenty-Eight (1st)	VK	28360	WED	0300	0400	Chief Seattle	WA	28625
SUN	0300	0400	Chief Seattle	WA	28625	WED	1400	1500	Electric City	FL	28845
SUN		0830	Twenty-Eight (2nd)	VK	28560	*WED		1700	Gold City	GA	28425
SUN	0830	0930	Borinage	ON	28785	WED		1700	Lake Geneva	F	28185 CW
SUN	1300	1400	GB Ten/Laurel Mancunium	G	28860	WED	1700	1800	Channel Islands	CA	28340
SUN	1300	1400	Fort McHenry/Yodar Kritch	MD	28840	WED	2100	2200	Outlaws on Ten/Bounty Hunters	TX	28644
SUN	1300	1400	Arlington	VA	29200	WED	2200	2300	Route-66	IN	28370
SUN		1530	Neanderthal Chapter	DL	28355	WED	2300	2359	Michigan Robins	MI	28493
SUN	1530	1630	Steel City	IL	28420	THU	0001	0100	Battle Road	MA	28390
SUN		1700	Lake Geneva	F	28416	THU	0001	0100	Egyptian Radio Club	IL	28420
SUN	1600	1700	Sky Blue Waters	MN	28715	THU	0001	0100	Cypress	FL	28465
SUN	1630	1730	Possum Trot	NC	28345	THU	0100	0200	Cowtown	TX	28710
SUN	1700	1800	Portland 500	OR	28350	THU	0100	0200	Cradle of the Confederacy	AL	28350
SUN		1815	Major League Baseball	CA	28830	THU	0100	0200	Gateway	MO	28650
SUN	1900	2000	Springbok	TN	28385	THU	0100	0200	Milwaukee	WI	28365
SUN	2030	2130	Air Capital	KS	28775	THU	0100	0200	MO-KAN Tenners	MO	28440
SUN	2100	2200	Possum Trot	NC	28150 CW	THU	0100	0200	Channel Islands	CA	28340
SUN	2200	2230	South Texas Lighthouse Brigade	TX	28345	THU	0130	0230	Cowtown	TX	28460
S/M	2330	0030	Dick Bass Memorial	MI	28465	THU	0230	0330	Windfarms	CA	28485
S/M	2330	0030	Minuteman	MA	28150 CW	THU	0300	0400	Chief Seattle	WA	28625
MON	0001	0100	Chesapeake Bay	MD	28435	THU	1300	1400	GB Ten/Laurel Mancunium	G	28870
MON		0100	Arizona Desert 10-10 Net	AZ	28445	THU		2000	Branding Iron	TX	28345
MON		0100	Cradle of Liberty	PA	28695	THU	2200	2300	Channel Islands	CA	28345
MON		0130	Cradle of Liberty	PA	28425	FRI	0001	0100	Crazy Eights	PA	28388.8
MON		0130	Palmetto	SC	28450	FRI	0001	0100	Fort McHenry/Yodar Kritch	MD	28370
MON	0100	0200	Milwaukee	WI	28365	FRI	0001	0100	Pine State	ME	28373
MON	0130	0230	Bauxite	AR	28470	*FRI	0200	0300	Appalachian Mountain Net	KY	28400
MON	0200	0300	Sky Blue Waters	MN	28715	FRI	0300	0300	Chief Seattle	WA	28430
MON	0300	0400	Chief Seattle	WA	28625	FRI		1400	New Waterkant	DL	28355
MON		1500	Major League Baseball	NY	28425	FRI	2130	2230	Down Under	ZL	28530
MON		1700	Colorado Quartermaster	CO	28120 PSK31	SAT	0001	0100	Fort McHenry/Yodar Kritch	MD	28370
MON		2030	Space Coast	FL	28355	SAT	0001	0100	MAINE-iacs	ME	28402.5
MON	2130	2200	Colorado Quartermaster	CO	28360	SAT	0300	0400	Chief Seattle	WA	28625
MON		2300	Oceans of the World	FL	28475	SAT	1330	1430	Trotters and Pacers	NJ	28755
MON		2359	Santa Fe Trail	IN	28695	SAT	1400	1500	59/62	F	28780
MON	2300	2359	Trotters and Pacers	NJ	28755	SAT 1st & 3rd		1500	Cast Iron Tower	DL	28133 CW
TUE		0001	Suncoast	FL	28475	SAT 2nd & 4th		1500	Cast Iron Tower	DL	28333
TUE	0100	0200	City of Lights	IL	28150 CW	SAT		1500	MO-KAN Tenners	MO	28440
TUE	0100	0200	Colorado Centennial	CO	28340	SAT	1430	1530	Red River Valley/Steamboat	LA	28855
TUE	0100	0200	City of Lights	IL	28150 CW	SAT	1500	1600	Republic of Texas	TX	28460
TUE	0130	0230	City of Lights	IL	28720	SAT	1510	1610	Louisiana Pelican 10-10 Net	LA	28450
TUE	0130	0230	Bauxite	AR	28470	SAT		1700	Lake Geneva	F	28416
TUE	0130	0230	Oklahoma Route 66 Chapter	OK	28390	SAT	1630	1730	Boomtown	TX	28402
TUE	0230	0330	Golden Bear	CA	28485	SAT	1600	1700	City of Roses	OR	28835
TUE	0300	0400	Chief Seattle	WA	28430	SAT		1730	Tango	LU	28650
TUE	0300	0400	Bay Area	CA	28475	SAT		1800	Keystone/Keystone Stars	CA	28765
TUE		0500	Aloha	HI	28485	SAT	1700	1800	Lilac City	WA	28390
TUE	1500	1600	New Mexico Mud Ducks	NM	28835	SAT		2000	Restoration Project	VE	28747
TUE	2030	2130	Twin Cities	MN	28325	SAT		2200	Alii	HI	28730
TUE		2130	Branding Iron	TX	28345	SAT		2330	City of Melbourne	VK	28355
TUE		2300	Peshtigo Fire	WI	28380						
*TUE	0001	0100	Fort McHenry/Yodar Kritch	MD	28370	MON-SAT		1800	10-10 International		28800
TUE	2300	2359	Great Lakes	AZ	28480	MON-SAT		1800	10-10 International		28380
T/W	2330	0030	Republic of Texas	TX	28560						
WED		0030	Kansas Trails	MN	28385						
WED		0100	Whitehouse	DC	28475						
WED	0001	0100	Castle Craig	CT	28375						
WED	0030	0130	All American City	AL	28400						
WED	0030	0130	Minuteman	MA	28409						
WED	0100	0200	Houston SHOT	TX	28488						
*WED	0200	0300	Appalachian Mountain Net	KY	28150 CW						
WED	0200	0300	10 Bar X	TX	28440						

(*) New or change

All changes to the above times and/or frequencies should be referred to the Chapter Manager, K5FBS.

The Net times of those chapters not affiliated with 10-10 are given, but their accuracy cannot be assured as those do not report regularly to the Chapter Manager.

If you desire accuracy of your Net, please advise the Chapter Manager, K5FBS, Clifford A Taylor, 22707 Red Mountain Drive, Elmendorf, TX 78112-6034 email: catk5fbs@aol.com

10-10 INTERNATIONAL NEWS

MEMBERSHIP INFORMATION AND SERVICES

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). A new member application and contact log is available in Section 1 on page 31 of this publication.
4. You must remit dues for one or more years full membership. Fee schedule and payment information can be found in Section 2 on page 31 of this publication.

TYPES OF MEMBERSHIPS

Please see fee schedule in Section 2 on Page 31

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 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. If you wish information on the extended payment plan, please 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. Extended payment plan is not offered with senior life membership.

Family Life Membership is no longer available

MEMBERSHIP RENEWALS

Fill out fee schedule and method of payment in Section 2 on Page 31 and forward as indicated to Data Manager or DX Area Manager. Please make sure you include a copy of your address label with form. If you do not have a copy of your address label (renewing after your membership has lapsed), please include a note with your name, current mailing address, call sign and 10-10 number.

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.

10-10 Information Brochure

The 10-10 Information Brochure is 8 pages of everything you would want to know about 10-10. Available for \$2 postpaid along with a return address label.

XXIQ

XXIQ is a simple roster. It will search for a call if the 10-10 number is known or for a 10-10 number if the call is known. It is updated monthly and is available FREE at the 10-10 Web Site.

XXIP

XXIP is the expanded version of XXIQ, offering 10-10 number, call, name, address, city, state/country, membership status, expiration date, and SK status. XXIP will print a simple address label. XXIP is updated monthly and is available on a CD-ROM or by download from the LinGer web site. Order from the Data Manager: CD-ROM for \$10 US Zip Codes or \$13 DX postpaid. For download version e-mail the Data Manager <wa6poz@arrl.net> or go to <www.lingerinc.com> for instructions.

AN-TEN-TEN-NAS

AN-TEN-TEN-NAS is a book by L.B. Cebik containing 30 articles and designs for 10 meter antennas from the pages of the 10-10 NEWS. Price is only \$12.95 USD plus shipping and handling (US Zip Codes \$5 USD - all others \$8 USD).

ALL THE NEWS ON CD-ROM

Every published issue of the 10-10 NEWS on one CD. \$20
All profits from the sale of AN-TEN-TEN-NAS and the 10-10 NEWS on CD-ROM go to the 10-10 Scholarship Foundation.

Payment may be made by Check, Money Order or IRC's (\$1 USD per IRC). VISA and Mastercard are also acceptable. Please provide Card Number, Expiration Date, Name of Card, Phone Number and signature of Cardholder. Mail to:

Data Manager, 10-10 International Net, Inc.
PMB142
643 N. 98th Street
Omaha, NE 68114-2342

SCHOLARSHIP DONATIONS

Donations to the 10-10 Scholarship Foundation are requested from each member on an annual basis to help fund the five \$1000 10-10 scholarships. Your check should be made payable to the 10-10 Scholarship Foundation and sent to:

Larry Berger, WA2SUH #00407
10-10 Scholarship Manager
9 Nancy Blvd.
Merrick, NY 11566-3119

Catch us on the WEB

www.ten-ten.org

www.10-10.org

SECTION 1 - MEMBERSHIP APPLICATION AND CONTACT LOG

Postal/Zip Code _____ E-mail Address _____

* as listed on Page 30 of this publication

YOUR SIGNATURE _____

	10-10 NUMBER	CALL SIGN	OPERATOR'S NAME	DATE OF CONTACT	QTH (State, Province or DX Country)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

10-10 FEE SCHEDULE <i>(eff 2/1/03)</i>	US Zip Codes	DX
New Members	<input type="checkbox"/> \$ 15	<input type="checkbox"/> \$ 18
Renewals (yearly)	<input type="checkbox"/> \$ 15	<input type="checkbox"/> \$ 18
Renewals - 3 year incentive	<input type="checkbox"/> \$ 40	<input type="checkbox"/> \$ 49
Family Membership (yearly)	<input type="checkbox"/> \$ 5	<input type="checkbox"/> \$ 5
Life Membership	<input type="checkbox"/> \$ 500	<input type="checkbox"/> \$ 650
Senior Life	<input type="checkbox"/> \$ 150	<input type="checkbox"/> \$ 200
Scholarship Foundation Donation	<input type="checkbox"/> \$ ____	<input type="checkbox"/> \$ ____
<i>Enter Total</i>		

US Postal Codes and LIFE Memberships mail to
Data Manager, Ten-Ten International Net, Inc.
PMB142
643 N. 98th Street
Omaha, NE 68114-2342 USA
 for information email: wa6poz@arrl.net

DX Applicants mail to:
Carol Hugentober, WA8YL #29588
DX Area Manager
4441 Andreas Avenue
Cincinnati, OH 45211-2622 USA
 for information email: wa8yl@juno.com

☐ CHECK Make all checks payable to 10-10 International Net, Inc. Please list your call and 10-10# on your check.
Do not send cash. All DX are reminded that money amounts are quoted in US Dollars.
DX Members please pay by International Postal Money Orders (IRC's are acceptable).

☐ MASTERCARD Account Number (Please include all the numbers on your credit card)☐ VISA

Good Through: /

SIGNATURE of Cardholder _____ Date: _____

For charges this form may be faxed to 10-10 International Net, Inc. at 402-891-2481

10-10 QSO PARTY COVER SHEET

Callsign _____ 10-10# _____ Name used in contest _____
 Name _____
 Address _____
 City _____
 State/Province/Country _____ Zip _____
 your e-mail address (for contest questions only) _____

2004 Contest Schedule <table border="1"> <thead> <tr> <th>Contest</th> <th>Postmark</th> </tr> </thead> <tbody> <tr> <td>Winter Phone.....Feb 7-8.....Feb 23</td> <td></td> </tr> <tr> <td>Mobile Contest.....Mar 20.....Apr 3</td> <td></td> </tr> <tr> <td>Spring CW.....May 1-2.....May 17</td> <td></td> </tr> <tr> <td>Summer Phone....Aug 7-8.....Aug 23</td> <td></td> </tr> <tr> <td>10-10 SprintOct 10.....Oct 25</td> <td></td> </tr> <tr> <td>Fall CW.....Oct 30-31Nov 15</td> <td></td> </tr> </tbody> </table> <p><i>contest rules on page 20</i></p>	Contest	Postmark	Winter Phone.....Feb 7-8.....Feb 23		Mobile Contest.....Mar 20.....Apr 3		Spring CW.....May 1-2.....May 17		Summer Phone....Aug 7-8.....Aug 23		10-10 SprintOct 10.....Oct 25		Fall CW.....Oct 30-31Nov 15		Check Event <input type="checkbox"/> WINTER PHONE <input type="checkbox"/> SPRING CW/DG <input type="checkbox"/> SUMMER PHONE <input type="checkbox"/> FALL CW/DG <input type="checkbox"/> 10-10 SPRINT <input type="checkbox"/> MOBILE CONTEST	Check Entry Type <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> QRP 10 watts or less Phone, 5 watts or less CW/Digital <input type="checkbox"/> CLUB Only for those operating with a club call.	US Call Area (W0-W9) or ARRL DX Country you operated from Chapter Assignment (not valid for 10-10 Day Sprint)
Contest	Postmark																
Winter Phone.....Feb 7-8.....Feb 23																	
Mobile Contest.....Mar 20.....Apr 3																	
Spring CW.....May 1-2.....May 17																	
Summer Phone....Aug 7-8.....Aug 23																	
10-10 SprintOct 10.....Oct 25																	
Fall CW.....Oct 30-31Nov 15																	
Claimed Score: Contacts WITH 10-10 number: _____ x2 = _____ Contacts WITHOUT 10-10 number _____ x1 = _____ Total Contacts _____ Total Pts _____ <p><i>NOTE: DUE TO MULTIPLIERS, THE MOBILE CONTEST WILL BE SCORED BY THE CONTEST MANAGER</i></p>																	

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

Mail to: Steve Rasmussen NØWY, 312 N 6th Street, Plattsmouth NE 68048, USA

E-MAIL ENTRIES: All submissions must be in straight text format and must additionally include all information from this cover sheet either in separate summary or as summary at head of log. Dupe sheet is not required with an e-mail entry.

E-Mail to: tentencontest@alltel.net

www.ten-ten.org

www.10-10.org

electronic version of this issue at www.lingerinc.com - logon NEWS0403 - password ap59hs

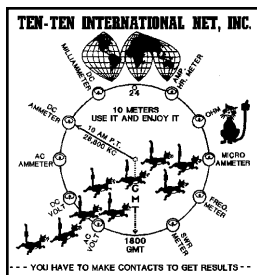
10-10 International Net, Inc.
 PMB 142
 643 N. 98th Street
 Omaha, NE 68114-2342

Address Services Requested

TIME TO RENEW? EXPIRATION DATE
 IS ON MAILING LABEL BELOW

FIRST CLASS

PRE-SORTED
 FIRST-CLASS MAIL
 U.S. POSTAGE
 PAID
 OMAHA, NE
 PERMIT 1799



JULY 2004
 (SUMMER)