

10-10 INTERNATIONAL NEWS

Volume 40 Issue 1

\$1.50

January 2002 (WINTER)

TEN-TEN IS TURNING FORTY

and we are celebrating with the

40th Anniversary QSO Party

Contact all the 10-10 numbers you can that contain a **40** in 2002.

EXAMPLES: 720**40** 69**40**5 6**40**54 **40**126 00**40**7

Collect all the numbers with the standard exchange (10-10#, Date, Call, Name, QTH) and list in 10-10# order (only one contact per number).

Only contacts made between January 1 and December 31, 2002 may be used. Send your logs to the Editor of the 10-10 News postmarked no later than January 15, 2003. The top ten will receive certificates and bragging rights! Winners will be announced on the Ten-Ten reflector no later than March 1, 2003 and all entries will be noted in the April 2003 News.

Remember - the primary goal is to keep 10 meters busy and HAVE FUN!



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and much, much more!!!!

Did you know...

all of the old issues of the Ten Ten Bulletin and the Ten Ten News are now available? That's right - more than 100 issues are now available in PDF format on ONE CD-ROM. We have also included Acrobat Reader v3.1 on the CD-ROM for anyone who doesn't have it. Want one for yourself? See the Ten-Ten Store on page 11 for more information.

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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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.

DEADLINE FOR NEXT ISSUE: 1 Mar 2002

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Steve Rasmussen NØWY #68684
Editor 10-10 News



As you can see, we have a somewhat new look in the News this edition. I am now using QuarkXPress to create the News. This program will do just about anything we will ever need. What makes it so different is that I can now create the magazine on my home computer, hand it to the printer, and they can create the film direct from the program. No more camera-ready copy...we don't even need the camera anymore! All I need is your articles and pictures and my computer and scanner.

I've been experimenting with a few of the program enhancements already, but I didn't want to completely rebuild the News from scratch...again! I think I will take a little more time to completely explore the enhancements to see what will work best for us. One of the things I will need to try is a standardized font that will work well in all of the regular articles. One that is right for Ten-Ten.

There is a recently updated list of OM/XYL teams listed on page 17. If you are a team and are not listed, please contact me to get your team added!

I hope all of you will have a wonderful 2002 and make a whole lot of contacts! Don't forget the new 40th Anniversary QSO Party going on this year. I'll be looking forward to receiving your logs in January 2003.

73 de Steve

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)	Tom, KA9EKG #70731
Tuesday (28.800)	Russ, N6CEX #29906
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)	Alan, VE4ALN #69217
Saturday (28.380)	Ed, KC4RIY #58203
Saturday (28.800)	-open-
Sunday	"NEVER ON SUNDAY"

Alternate Net Controller	Don, KBØON #29849
Alternate Net Controller	John, KC2GCL #72143
Alternate Net Controller	Bob, WA6GSV #07673

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from the office of the
PRESIDENT
10-10
International

Chuck Imsande
W6YLJ #19636

As I write this column early in December, and look back on the past year, I cannot believe what a year this has been. First, the passing of our past president and current Scholarship Manager, long time 10-10 member Morrie Goldman, W6EHM #04189. Soon after Morrie becoming an SK, our president, Tom Henderson, K4CIH #33233, became an SK on March 4th. That night, I had a minor heart attack. Fortunately, everything has turned out ok for me and the stents that the doctor inserted are doing their job. Once home from the hospital and on the road to recovery, the moving of all of the 10-10 items from Tom's QTH began. The time it took to get everything moved was minimal and 10-10 business continued to run quite smoothly. We never missed any requirement, thanks to so many of the 10-10 volunteers that pitched in to help when necessary. There were far more volunteers than jobs that needed to be done. To all those who stepped forward offering to help, a big thank you.

10-10 was in Dayton again in 2001. We had a booth and gave a forum with over 50 in attendance. The booth was continuously busy with visitors stopping by to say "hello", pick up their forgotten 10-10 number, and renew their dues.

The 2001 10-10 Convention was held as scheduled in Worchester, MA in July, and fond memories are held by the over 225 attendees as "one of the best ever." A great job by Ken, K1IEQ #31363, and his staff of hard working volunteers. The profits from the Convention were donated to the new 10-10 Scholarship Foundation.

Ham radio again proved to be the best in a time of need after the tragic happenings of September 11th. Many of our members supported the disaster relief services in the clean-up effort in New York, Washington and Pennsylvania. We know of two of our members were directly involved in the disaster. Steve Jacobson, N2SJ #29391, who is listed as one of the missing in the World Trade Center, and Herman Belderok, JR, KB0EEB #52943, who was one of the lucky ones who made it out of the WTC just in time.

All was not on the dark side however, 10-10 continued to function 100 percent and accomplished a number of things that had been in work for some time. One of the

major achievements was early in the year when we received approval from the State of California for our new nonprofit Public Benefit Corporation, The 10-10 International Net Scholarship Foundation. Following receipt of the acceptance of the new corporation, and through the excellent work of our Treasurer, Keith Schlottman, KR7RK #63324, we received the approval of the IRS accepting the Foundation as a 501(c)(3) Corporation allowing all donations to the Foundation to qualify as tax exempt. This accomplishment concludes well over a year's effort to obtain the corporate approval and tax-exempt status for Scholarship Fund donations.

Additional accomplishments included the release of all issues of the 10-10 International News on CD. The period covered is 27 years, 1975 through 2001, and all issues are on a single CD. This effort was completed by our Editor, Steve Rasmussen, N0WY #68684. One of the best parts of viewing the past issues on the CD is that the pictures, which are printed in black and white in the NEWS, are in color in the later issues on the CD. Elsewhere in this issue is information on how you can obtain a copy of this interesting CD for your personal viewing of all of the back issues of the NEWS.

In addition, our Secretary, Dave Prichard, KA5OVO #37297, has prepared a CD containing all of the past Board of Directors Meeting Minutes from the year 1991 through 2001. This CD provides all of the Board Minutes in one central place and maintains them as a permanent record.

Another completed effort, by our Vice President Mike Elliott, K7BOI #54625, was the completion and finalization of the 10-10 Operations Manual. This had been under revision at the time of Tom becoming a SK. Mike picked up this assignment and completed it with the final result becoming a CD containing both the 10-10 Net and the 10-10 Scholarship Foundation Operations Manuals on one CD.

Still to be completed is the printing and mailing of all of the certificates to the winners of the QSO Parties for the year 2001. This assignment was picked up by Director Linda Barnes, KJ4FM #43299, and is well on the way to completion. We hope to have all of the certificates for the 2001 10-10 QSO Parties complete and in the mail by the time you read this.

Our Internet Coordinator, L.B. Cebik, W4RNL #41159, completed the move of the 10-10 Web Site from our host computer at Lehigh University to a private server. This move allowed us to have more personal and immediate control over our web site. We also established a new 10-10 list on the private server which allows us to monitor the

activity on the list and take action, if necessary, to eliminate any problems immediately. We thank Lehigh University for the use of their computer for so many years.

The year 2002 brings us to another election year. This year we will elect a President, Vice President, Secretary and four members to the Board of Directors. There is more information about the election elsewhere in this issue. If you are interested in volunteering for one of the positions that are up for election in 2002, please follow the rules and time line that is listed. Gini Segedi, N7HDB #39650, is the Chairman of the Nominating Committee. Gini can be reached at PO Box 6577, Pahrump, NV 89041, or by e-mail at: n7hdb@teknet.com .

Another project that we have in work at this time is the development of an Integrated Awards Management Program (XXIAMP). There are three 10-10 members in a competition to win the honor of designing and developing this much needed program. This will give us the capability of maintaining all of the 10-10 awards in one master database. When complete and all records are input into the program, all award managers will be using a standardized program. This will also provide for an easy transfer of award manager functions to new award managers if and when necessary. In the past we have had numerous problems in transferring the award manager duties from one award manager to another as no standardization exists between award manager records. The proposals are due 1 March 2002 with a beta copy due by 1 June 2002. I have established a committee to review the proposals and determine the winner of the bid process. The committee consists of: Mike Elliott, K7BOI #54625, Keith Schlottman, KR7RK #63324, Ed Redwine, K5ERJ #11843, Joe Williams, WA9TSG #310 and myself.

Our Editor, Steve Rasmussen, N0WY #68684, has made great progress in the redesign and updating of the News format. Steve will be using a new program in formatting the News, which will allow us to give the copy to the printer on CD and from that go directly to the printing process. This should save time and get the News in the mail in a shorter time. The use of additional color splashed throughout the pages makes for a better and more attractive issue. Steve advises that he has more ideas for additional improvements this year.

Although the Holidays have come and gone, I hope yours was all that you hoped for and that you received all of the goodies that were on your list. I also wish that the year 2002 will bring each one of you a good and healthy year and excellent propagation on 10-meters to all.

MEMBERSHIP RENEWAL PROCESS ACTIVATED

Effective in January, a new renewal notification process was implemented. A renewal notice will be mailed in the quarter prior to the membership expiration date, and a follow up notice will be mailed during the quarter the membership expires. As an example, in February, an initial notice of membership expiration would be mailed to those who membership expires in April, May and June. A final letter will be mailed late April. If no renewal had been received by June 30th, the last issue of the 10-10 NEWS received would be the April issue.

This process allows for a period of approximately 8 weeks between the first and second notices and approximately 8 weeks between the second letter and the end of that quarter, enough time to renew and still receive the next issue of the 10-10 NEWS.

DX members will have letters mailed with the 10-10 NEWS for the two issues prior to their membership expiration.

It must be remembered that the 10-10 NEWS is mailed to members who are current as of the last date of the previous quarter. A member who joins in June receives the July, October, January and April issues of the 10-10 NEWS. Whereas, a member who joins in July receives the October, January, April and following July issues of the 10-10 NEWS.

Members whose expiration dates are in January, February and March of 2002 were mailed notices in December 2001 and will be mailed reminders during February 2002. However, DX will have only one notice with the January issue of the 10-10 NEWS.

CONVENTION 2003 WHERE'S IT GONNA BE?

It's time to think about the next 10-10 Convention. A great way to meet all those people you've talked to on the radio (or haven't because you can't hear them). If you would like info on how to put together a 10-10 Convention, please contact Directors Rex Holford KØNO or Bob Peschka K7QXG and we would be happy to help you in any way. Our address/phone number/email info is listed on page two of this publication.



ELECTION 2002 - CALL FOR NOMINATIONS

As you may be aware, 10-10 International holds an election every two years. In the year 2002 we will be electing the President, Vice President, Secretary and four (4) members to the Board of Directors, whose terms will commence January 2003. This is a very important time for 10-10 as an organization. We need members to realize that the organization does not run itself and the desire to have qualified members serve is paramount. Nominations must be sent to the Nomination committee prior to May 1, 2002. The Nominating Committee shall develop a slate of eligible candidates by June 1, 2002. The chairman of the committee will provide to each potential nominee information regarding eligibility and specify what information to send to

the committee. Members selected by the Nominating Committee will be notified, in writing, by the chairman of the committee. Members not selected by the committee may petition for candidacy by having a petition signed by 50 full members and presented to the Secretary by July 1, 2002. A nomination information form is required and is available from the Nominations Committee Chairperson. Further questions concerning the election/nomination process may be addressed to Gini Segedi, N7HDB Nominations Committee Chairman, PO Box 6577, Pahrump, NV 89041 or n7hdb@teknet.com.

Qualification for Nomination to be an Officer or Director of 10-10: In accord with the bylaws, no member of 10-10 may qualify for nomination to be an Officer or Director of 10-10 unless he or she has been a full member for more than four (4) years immediately preceding his/her Nomination and that he/she can show that their membership will remain current during the period of the office they are seeking. The Nominating Committee or petition for candidacy is the only methods to be used by members who wish to be nominated.

Selection by the Nominating Committee: The Nominating Committee is charged with the task of selecting from those who indicate a desire or willingness to serve as an Officer or Director and to form a slate of candidates which the committee believes represent the best qualified candidates from information submitted to the Committee.

Petition for Candidacy: Members and nominees not selected by the nominating committee may petition for candidacy. Such petitions shall be signed by 50 full members and submitted to the Secretary by July 1, 2002.

Biographical Sketch: All candidates, whether selected by the Nominating Committee or by petition, must submit a biographical information form. The Nominating Committee will request this information in the process of selecting a slate of candidates. Those who petition for nomination must execute a biographical information form to be provided by and returned to the Secretary. This biographical outline, not to exceed 200 words of narrative, shall be printed in the July 2002 issue of the 10-10 News.

Notification of Potential Nominees: Members selected by the Nominating Committee to be candidates shall be notified in writing by the chairman of the Nominating Committee. The chairman of the Nominating Committee shall also notify, in writing on or before June 1, 2002, members who are not selected by the nominating committee, and inform them of the proper method of placing their names in nomination by petition.

ELECTION TIMELINE

- ◆ **Call for Nominations will be printed in the January 2002 and April 2002 editions of the NEWS.**
- ◆ **1 May 2002 - Candidates must have names and bios to Nominating Committee.**
- ◆ **1 Jun 2002 - Nominating Committee will develop slate of candidates and notify members who applied but were not selected**
- ◆ **1 Jul 2002 - Deadline for Petitions for Nomination to Secretary**
- ◆ **All Candidate's bios to be printed in July 2002 edition of the NEWS**
- ◆ **1 Aug 2002 - Ballots in mail First Class & Air Mail for DX**
- ◆ **1 Oct 2002 - "In Hand" Deadline for return of Ballots**
- ◆ **1 Nov 2002 - Election Results posted on 10-10 Web Site**
- ◆ **1 Jan 2003 - New elected officers take office**
- ◆ **Election results posted in January 2003 edition of the NEWS**

MAYDAY - MAYDAY - MAYDAY - MAYDAY

October 10, 2001 started out like any other day. At 1800 UTC, Louise Chapman, N6ELK # 36654 began to call the 10-10 International Net on 28.800 MHz. About 30 minutes into the net, Harold "Scotty" Scott, WA6TQC #71 heard a muffled voice calling mayday. At this time, the net operations were stopped due to the emergency traffic. After fine tuning the station, and determining that no other stations on the net had a better copy on the signal, Scotty began asking who was calling, and how he could assist. The distress call was coming from a fishing vessel, the Stooner B out of Peru. The operator advised his marine radio had failed the day prior, and his GPS was not working. He was

using a ham radio belonging to another crewmember who was not aboard at the time. This radio was their only means of communications. They had been in a severe storm the day prior, had a hole in the bottom of the boat, and were taking on water rapidly. By moving their beams, Scotty and Louise were able to conclude that the signal was coming from the Baja California area.

Another ham on the net, Arnold "Doc" Kalan, WB6OJB #70675 immediately notified the U.S. Coast Guard via landline. Doc held the telephone up to his speaker so the Coast Guard could monitor until they were able to come up on our frequency and monitor direct. Scotty and Louise kept communications open with the vessel during this time, and in about 15 minutes the operator reported a ship was approaching his vessel very fast, and had American markings. Scotty and Louise continued to monitor the situation until the operator advised they were being taken aboard the rescue craft. The rescue was completed at approximately 1855 UTC.

Here is an excellent example of perfect team work, knowledge and ability on the part of these fine operators. Their knowledge to ask the right questions, coordinate the rescue effort, and follow through until the emergency was concluded show how we, as amateur radio operators, have the ability to provide critical services to the public. There are five sailors who can say that they owe their lives to ham radio.

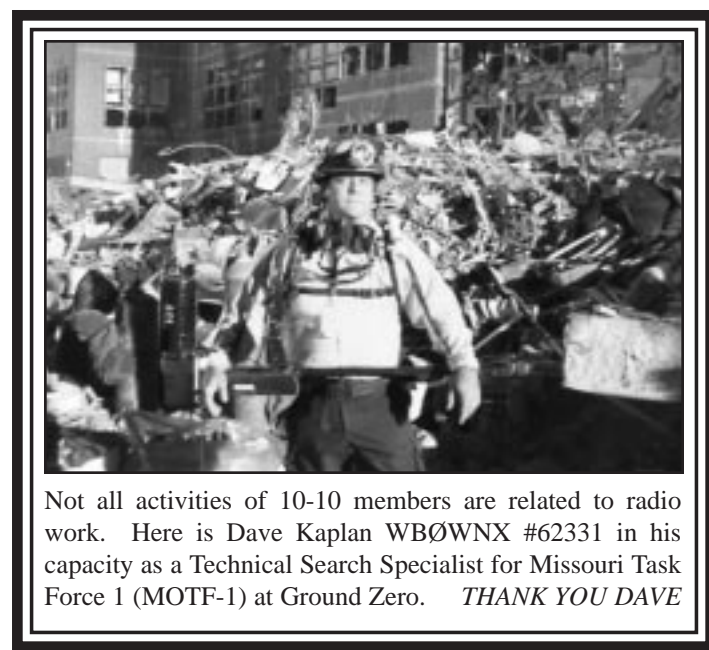
Congratulations to Louise, Scotty and Doc for a job very well done.

Bill Marple - AA7ZW



SHOWN ABOVE IS A PICTURE OF NET MANAGER BILL AA7ZW #62075 PRESENTING CERTIFICATES OF COMMENDATION TO DOC WB6OJB #70675, LOUISE N6ELK #36654 AND SCOTTY WA6TQC #00071 AT A LUNCHEON HELD ON OCTOBER 4, 2001.

SHOWN BELOW ARE SOME OF THE ATTENDEES AT THAT LUNCHEON. SEATED L-R ARE MARY KA6JGQ #70857 HOLDING GRANDSON GABRIEL, LOUISE N6ELK #36654, JOAN XYL TO GORDON WB6JVP #63117, ANN KE6OIO #68997 AND SHARON XYL TO BILL K6KRW #60993 - STANDING L-R ARE BILL AA7ZW #62075, RUSS N6CEX #29906, SCOTTY WA6TQC #00071, FRED AD6IG #69524, FRAN W6MXT @00296, TOM KD6HWD @#62083, GORDON WB6JVP #63117, BOB WA6GSV #07673, JOHN KD6PT #68824, CHARLIE W6GCJ #03800, DOC WB6OJB #70675, BILL KC6KRW #60993, AND BOB N6OPR #45715



Not all activities of 10-10 members are related to radio work. Here is Dave Kaplan WBØWNX #62331 in his capacity as a Technical Search Specialist for Missouri Task Force 1 (MOTF-1) at Ground Zero. *THANK YOU DAVE*

2000 NET CONTROLLER OF THE YEAR - WV4Y

Net Manager Bill AA7ZW has asked me to prepare a little history about myself. It's times like this that I wish my life had been more exciting than it has.

Chicago was my birthplace 82 years ago. I was married 52 years to Ella Mae Hamilton (Ham) whose home had been in New Hampshire. She died in April 1999 just days before her 80th birthday. John, Suzanne and James are my three children and Suzy is currently living with me. John's daughter, Simone gave birth to my first great grandson, Tyler, in December 2000. I'm fortunate to have 7 more grandchildren scattered over the country.

Shortly after World War II ended, a Priest married us in Norfolk, VA in a small chapel on the Naval Operating Base. I served in the Navy just one month short of four years as a Classification Specialist 1st. Great Lakes, Bainbridge, MD and Little Creek, VA were other duty locations.

Most of my business life was spent in the Automotive Parts industry working for the BF Goodrich Co., the Electric

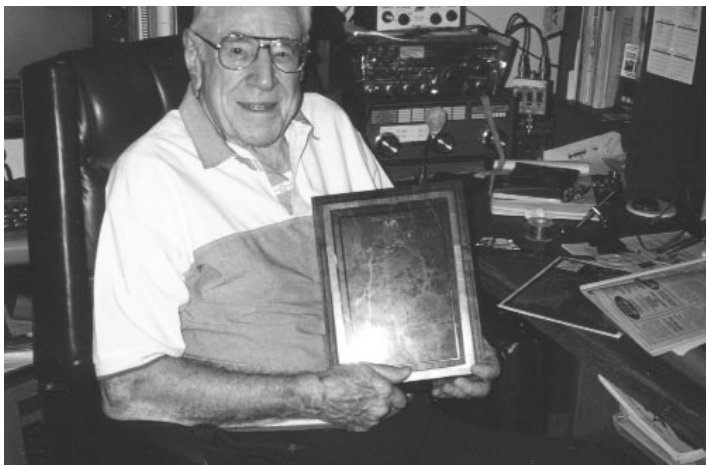
Auto-Lite Co. (which later became the Restolite Co.), Monroe Auto Equipment, and the AP Parts Corp. My duties ranged from office boy in 1936 to manage of sales for the spark plug division of Prestolite.

Nine years before I retired at 62, I was the Executive Secretary of IBMA and the Editor and Publisher of their monthly journal "The Battery Man". This was an international organization of automotive battery manufacturers and suppliers, with members in about 50 countries.

I became a ham 20 years ago and my first call was KA4ZGE. I became an Amateur Extra a couple of years later. I joined the 10-10 organization in 1984 and shortly thereafter volunteered to be a Net Control Station for the 28.380 Friday Net.

As most of you know by now, I asked to be relieved of my net control job a few months ago so as not to be committed for every Friday so that my significant other and I can go places and do things. Many of you know Angela, KE4PA, who is the love of my life. We had planned to attend the 10-10 Convention this year but illness kept us from doing so. She wants everyone to know that she intends to be at the next one and eyeball all her friends.

Well, that's it. Thanks to all you nice people out there who voted for me as the Net Controller of the year 2000. I certainly feel honored and appreciate very much the attractive plaque awarded to me!



DID YOU GET IT?

A Canadian study shows that flu epidemics are four times as likely during the peak of the solar cycle every 11 years. Flu and solar records were compared back to 1729 and found a statistically significant connection.



The study is at a loss to explain the connection and warns it could be completely spurious, but the numbers were so compelling they decided to publish the results so others can explore the finding.

New Life Members

16078	W0HPZ	Frederick G Damas
25829	KK4AZ	Robert G Learmont
27834	KL7JGN	W Lloyd Fuller
28721	K3RD	Donald R Schmidt
34967	N0BZM	Raymond A Coffey
41466	K5WJY	Donald K Holck
42188	KA5VVD	Robert A Cathey
61084	WN8QIC	George E Pinkel
61293	WL7EM	Charles A Macke
62597	N7LWQ	Everett M Marriott Jr
63781	W7SMR	Richard K Bass
67454	W9ROG	Roger G Callewaert Jr
67955	KJ7WK	Steve Gurley
71965	KA1CZQ	Joseph T Faria
71997	KB9RLB	Thomas M Schulte
72326	WA5MOT	Oscar Pilhoefer
72780	KC8RRO	Mark J Harms
72892	N1BXY	John J Pereyo
72916	K0SSE	Oscar W Hall

A VERY SPECIAL EVENT

On September 22, 2001, #109, Ten-Ten International Club Station, was operated at a special event by Harry Hochman, K2IQN #72254. The special event was to honor the memory of Newark New Jersey fireman Lawrence J Webb, who perished in the line of duty on May 22, 2001. The event also commemorated the victims of the September 11 disaster. Fireman Webb was a close friend of Harry Hochman. The special event was supported by the Morris County Radio Club of Dover New Jersey. Operation was at the Camp Somers Scout Reservation and was held in conjunction with Scout Weekend. On the day after the World Trade Center collapse Harry Hochman led a group of Amateur Radio operators over the George Washington Bridge to provide emergency communications.



WØRTV Retires as Chapter Head

At a recent Gateway Chapter meeting on 10-Nov 2001 to grade and score the Ten-Ten Sprint, long time member WØRTV Don #13962 retired as chapter head. New chapter head is NØWM Wm #02724 whose first official duty was to present Don with a plaque of appreciation for his many years of hard work and dedication to the chapter.

WØRTV will continue on as Ten-Ten QSO Party Manager while KØWEX Bob #08092 is Secretary Treasurer, KAØAWS Henry #53913 is Certificate Manager, WB9PNU John #71937 is Eyeball Guy and W9VHL Scotty #09597 is Gateway Web Site custodian.

In the picture at left (l-r) WØJDP Harry #04317, NØCUN Jim #33431, NØWM Wm #02724, WØRTV Don #13962, and WBØGGG Bob #03735. Taking the picture was W9VHL Scotty #09597.



MEETING OF THE NEANDERTHALS

Here is a picture of a meeting of the Neanderthal Chapter this last summer. On it you see:

BACK ROW STANDING: DH1PAL #69212,
DJ2YE #68904, DJ6SE #68935, DL1EK #42024
DH4JQ #68909, DL2KG #68931

FRONT ROW STANDING: DJ2DP #69604,
DF3TE #69610, DJ2VZ #68933, DJ6QO #30998,
DJ6DO #21486, OM of DJ2DP, DL5JF #68949

SEATED: XYL of DJ6DO

With this photo we wish all 10-X members best 73's



An-Ten-Ten-nas

INFORMATION TO HELP YOU
DECIDE ON THE BEST ANTENNA
FOR YOU

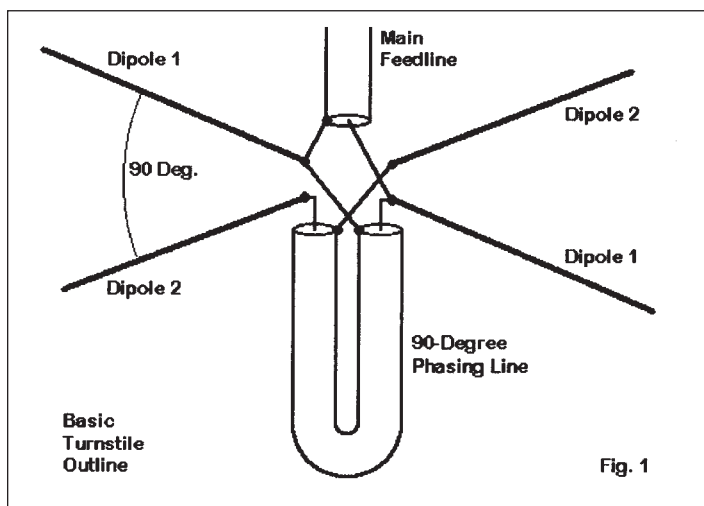
L. B. Cebik
W4RNL #41159



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. 34: The Turnstile Antenna on 10

Net control stations often ask for an omni-directional horizontally polarized antenna. One of the simplest antennas to meet this need is the turnstile. The basic outline appears in Fig. 1.



Essentially, the turnstile consists of two dipoles at 90 degree angles to each other. One dipole is connected to the main feedline, in this case a 50-Ohm line (since the two dipoles together will give a 36-Ohm feedpoint impedance). Between the feedpoint of Dipole 1 and Dipole 2, we run a 90-degree or 1/4 wavelength section of 72-Ohm coax to effect the required phase shift between the two dipoles. It is this phase shift that gives the turnstile its nearly omni-directional pattern.

For 1/2" to 5/8" tubing--or a combination of the two--the dipoles can each be 16.5' long--8' 3" on each side of center. This size will make them resonant at about 28.5

MHz. The dipoles must not touch each other. You can accomplish this by mounting them on opposite sides of a square plywood board or by keeping the feedpoint separations large enough so that nothing touches.

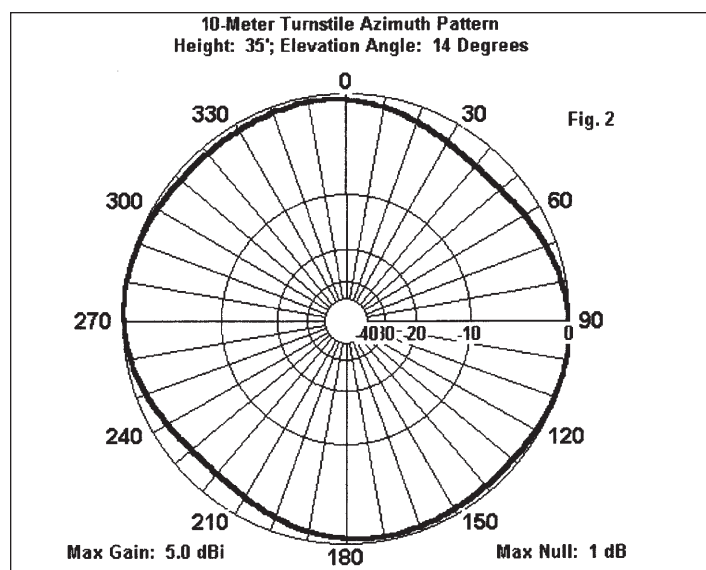
Connect the main feedline across one dipole. Then connect the phasing line from the feedline connection points to the other dipole connection points. If you use a balun, connect it only to the main feedline. Let the phasing line droop. You can tape it together for control. But it is best to keep it spaced from any metal antenna mast you use to support the antenna.

The phasing line length will depend on the velocity factor of the line you use. 72-Ohm coax comes with either solid or foam insulation. The solid insulation usually gives the line a 0.66 velocity factor, while foam lines have a velocity factor of about 0.8.

Use the velocity factor as a multiplier on the basic 1/4 wavelength to determine the physical length of the line. 1/4 wavelength is about 8.63' at 28.5 MHz. A 0.66 VF line will be about 5.69' long, while a 0.78 VF line will be about 6.73' long. As with any antenna, be sure to weatherproof all connections to prevent rain from entering the coax line.

Since the turnstile impedance is about 36 Ohms, a 50-Ohm feedline will show an SWR of between 1.3:1 and 1.4:1. Do not try to tune the antenna for a 1:1 SWR, since that will require shortening the elements below individual dipole resonance. The resultant pattern will no longer be omni-directional. On the other hand, once you have built the antenna close to the dimensions suggested here for both the elements and the phase line, it will be very broad-banded, covering all of 10-meters.

What kind of performance can we expect from a turnstile? Fig. 2 gives us an answer.



The pattern is a blunted circle with only a 1 dB decrease from maximum gain along two of the flattened edges. This is as close to a perfect circle as you will come with a horizontally polarized antenna of this efficiency. The maximum gain is about 5 dBi when the antenna is 1 wavelength (about 35') above ground. At this height, the antenna has 2 elevation lobes, one at 14 degrees for long hauls and the other at 48 degrees for short skip and e-layer reflections. The local point-to-point abilities of this antenna are quite good.

As always with horizontal antennas, the higher, the better--up to about 1.75 wavelengths or so--especially for local contacts. The turnstile gain is lower than the maximum gain of a dipole along, but remember that a single dipole has only two main lobes working at one time. The turnstile has 4 overlapping lobes. Since the power for any operation is constant, it must distribute itself over more territory--and hence will not be quite as strong as when we can limit its coverage to two lobes. (The uni-directional beam gets its gain from concentrating almost all of the power in one lobe.)

The turnstile can be a useful antenna for net control stations. It may also be useful for folks who want a dipole, but do not wish to turn it with every new incoming signal. You can orient the antenna along any axis, so you have some options in fitting it into the space you have.

However, the turnstile has limitations. For its area, gain is not high. In the same footprint, you can create a small 3-element beam with much higher gain and directivity. Also beware of the temptation of folding the ends around to reduce the space required by the crossed dipoles. The omni-directional pattern will become a bi-directional, weak set of dipole lobes. Finally, the turnstile is a monoband antenna, due to the requirement for the 90-degree phasing line. If you want a turnstile for another band, you will have to design the entire antenna--both dipoles and the phasing line--for the new design frequency.

So the turnstile is a special-purpose antenna. If it has the pattern you need, use it. If you need a different pattern, then try one of the other antennas in this series.

WANT TO KNOW MORE? SEE SPECIAL OFFER BELOW!

THE TEN-TEN STORE

WANT TO GET SOMETHING EXTRA FOR YOUR MONEY? PROCEEDS FROM THE SALE OF ITEMS LISTED BELOW ALL GO TO THE 10-10 SCHOLARSHIP FUND !!!

PINS, PATCHES AND DECALS

SO WHAT'S AVAILABLE?

- 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:

LARRY BERGER, WA2SUH #00407
TEN-TEN SCHOLARSHIP FUND MAMANGER
9 NANCY BLVD
MERRICK NY 11566-3119

AN-TEN-TEN-NAS

L.B. Cebik has been writing a column about antennas for the 10-10 News for the past 7 years. Now all of this material has been compiled into one book and is available for the low price of \$12.95 USD plus shipping and handling (US Zip Codes \$5 USD - all others \$8 USD).

You may pay by Check, Money Order or IRC's (\$1 USD per IRC). VISA and Mastercard are also acceptable. Please provide Card Number, Expiration Date, Name on Card, Phone Number and signature of Cardholder (please note that our credit card agent is RSVP of Omaha, NE).

Orders can be made via mail to:

10-10 INTERNATIONAL NET, INC.
643 N 98TH ST #142
OMAHA NE 68114-2342
or by FAX to 402-891-2481

and introducing - 27 years of the 10-10 News on CD-ROM

That's right! Every issue of the 10-10 News AND the Quarterly Bulletin that was ever published in magazine format is now available on a CD-ROM in Adobe pdf format (we have also included a copy of Acrobat v3.01 for those that don't have Acrobat Reader) now available for the low price of \$20 USD which INCLUDES shipping and handling. You may pay by Check, Money Order or IRC's (\$1 USD per IRC). VISA and MasterCard are also acceptable. Please provide Card Number, Expiration Date, Name on Card, Phone Number and signature of Cardholder (please note that our credit card agent is RSVP of Omaha NE).

Mailto: **10-10 INTERNATIONAL NET, INC., 643 N 98TH ST #142, OMAHA, NE 68114-2342 or by FAX to 402-891-2481**

If you purchased a copy of the first edition of this CD-ROM at the Massachusetts Convention (and we know who you are) - please send \$10 to the address above and the complete CD will be mailed to you

CHAPTER COORDINATOR'S COLUMN

by Dave Smith, K6RDK #65812



Re-Affiliated: Golden Bear

Reports Due This Quarter: Bauxite, City of Melbourne, Cowtown, Crazy Eights, Houston SHOT, Kansas Trails, Laurel Mancunium, Michigan Robins, Mont Ventoux, Neanderthal Chapter, Red River Valley (Steamboat), Restoration Project, Springbok, Tango, Bay Area, Down Under, Mississippi Lighthouse

Reports Past Due: 10-Bar-X, Edmonton Area 10-10ers, **Berlin Bears, Concho Valley, Dollchaser, Sky Blue Waters/Tin Lizzey

In Extremis: Crater Lake, River City/Cameilla Capital

REMINDER - To remain affiliated with 10-10 International, all chapters must fill a chapter report at least once each year. This information is used to update the 10-10 Awards guide and the monthly Guide updates. We don't want the membership wasting their time and money on a chapter that is no longer active. If the name of your chapter appears above, please advise the Chapter Coordinator if there has been a change in status of the chapter.

.....
Chapter News:

It is with regret that I announce the QRT of two long running chapters, **Brooklyn Bridge** and **Great Smokey Mountain Chapter** (which also includes the GSM Pioneer program.

Colorado Centennial & Colorado Frontier Gang - The CMs have new email addresses; they are n0ckw@attbi.com and wb0con@attbi.com respectively.

City of Roses - City of Roses has a new web site; www.cityofroseschapter.com. There you may upgrade City of Roses Chapter and Portland Bridges.

Fort McHenry & Cornerstone - January 1 - 31 collect Fort McHenry Defender numbers for a 1 point upgrade each and collect Cornerstone Cannon numbers for a 5 point upgrade and the list must be post marked by Feb. 28.

Laurel Mancunium Chapter - The Millennium V.I.P.

The conditions for this certificate are still the same. You must hold the previous three certificates completed before you become eligible for this one. They are;

1. The Laurel Mancunium Certificate.
2. The Roman Invasion Certificate.
3. The Emperors Certificate.
4. You must give proof of paid up membership of 10/10.

The program for upgrades is based on contacts: -

Bronze Seal Requires 20 Contacts.

Silver Seal Requires 45 Contacts.

Gold Seal Requires 75 Contacts.

Diamond Seal Requires 200 Contacts.

All contacts must be with stations that hold the V.I.P. certificate. A station with the suffix of FM is worth 2 Contacts, with a suffix of MM is worth 1 Contact. A station holding the Bonze seal is worth 4 contacts, with the silver Seal 7 contacts, with the gold seal 12 contacts and with the Diamond seal 15 contacts.

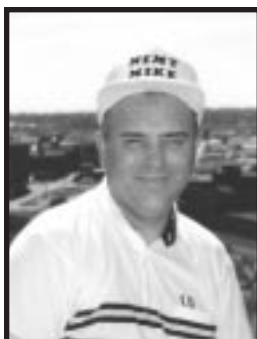
The new phase starts at 220 contacts when you will be given a Letter. Then at 240 contacts you will be given a second letter. These two letters will be used to take you along the Roman Roads constructed by them when they conquered Britain each one of which has a name, and towns on the way.

You should still keep the numbers of your seals as they will be used latter, there will also be a special issued later when you will walk along Hadrians Wall which was built by the Romans to keep out the Picts.

Further information will be given by G4PDR CM of this certificate.

Restoration Project - "Ships & Captains" Special starts 0001Z 01 February and ends 2359Z 28 February 2002. Submission deadline is 15 March 2002. NO WILD CARDS. Special Form may be downloaded from www.qsl.net/k8ssj/ or requested from VE7SSJ@RAC.CA or snail mail address below.

Specials are STAR TREK ship names, registry numbers, and the name(s) of the Commanding Captains. There are 22 Specials, with 4 slots each, for a maximum possible of 440 points. "Snail Mail" submissions to 3528 11th Avenue, Port Alberni BC V9Y 4Y7, or E-Mail VE7SSJ@RAC.CA



DX NEWS

Mike Davidson
N5MT #24949

North Korea on Ten! There was great joy for many when a station signing P5/4L4FN worked me and others on ten meters last month. His name is Ed from the Republic of Georgia and works for the United Nations World Food Program. He has been in North Korea for two years and recently received verbal permission to bring in a transceiver and operate! Written documentation is what everyone is waiting for from the North Korean officials so that the ARRL will allow it for DXCC. I was the first station in the fifth call area that Ed worked on November 11th about 2300Z just before he had to go to work.

Ed had communicated with Bruce **KK5DO** #65027, to be his QSL Manager. Bruce is a good friend and also lives in Houston. You can get more details about this story at Bruce's Web site at: <http://www.amsatnet.com>. Look for P5 North Korea. You can hear several of us talk to Ed via an audio file saved by Bruce on the Web site. Ed is using an antenna cut for twenty meters so his signal on ten is very hard to hear. A vertical antenna was sent to Ed and he is in the process of putting it together, then hopefully he will have a better signal.

I offered to sponsor Ed for 10-10 membership. Ed made the required contacts without any problems, mostly from the western USA. His manager sent me his application which was forwarded and approved so **Ed 4L4FN is number 72722** as of the end of November. Please be patient as 10-10 DX is brand new for Ed!

Obviously everyone is hoping for the written permission to be forth coming. I expect all the contacts in November 2001 will be good. As for 10-10, all contacts as of November 30, 2001 will be considered good as that will be the date his membership number 72722 was assigned.

Once the P5 license is submitted to the ARRL DXCC, it should be approved. I can tell you right now, 10-10 will be accepting P5/4L4FN cards, I know he is there and other sources have verified his existence. **Therefore, I expect 10-10 will be the first organization to accept the P5/4L4FN North Korea QSL cards and the number one most wanted P5 will be a new 10-10 country!**

Ed is on 28580 listening up 10 split frequency at 2230Z and QSL to KK5DO with a green stamp or IRC.

Most DXer's need to work North Korea since it is the most wanted, so the number of people trying to talk with Ed each day is tremendous. The pileup will get better as more work Ed. So far Ed has made about 1,000 contacts on ten meters and 200 on twenty meters are in the log.

Upcoming DX & New 10-10 Activity:

FO/a Austral Island. Leo **K8PYD** as FO0FRY #44582 and friend Jon WB8YJF as FO0SEV, will be active from Rurutu Is. mostly CW/RTTY from December 3 - 14th .

3W Vietnam New Country 304? There was a station operating from Vietnam 3W2DC, from October 2 - 14th , the operator was Bob **N4CD** #20902. Only CW operation was observed on ten where I worked him about 200Z. Bob is now gone from Vietnam and is now operating from Guadeloupe as **FG/N4CD** for the past four weeks. Good luck on swapping a number with him. Look for him on 28003-28018 listening up 2kc. QSL via his home call **N4CD** with an SASE or green stamp.

XU Cambodia New Country 305? Alan, **F6BFH** #71311, has received call sign, XU7ABW, and was active October 22nd through November 10th. This will be another new one if there was any 10-10 activity by Alan?

YA Afghanistan. The ARRL approved DXCC credit for **YA5T** which is among the top ten "most wanted" countries. **YA5T** will be operated by Peter **ON6TT** #51565, as well as by Mats **SM7PKK**, Robert **S53R**, and Mark **ON4WW** #49103. All work for the UN World Food Program and they will be on the air as their work schedules allow. For more information, visit the Web site <http://www.qsl.net/ya5t/>. Peter **ON6TT** #51565, was in **Pakistan** in August operating the club station AP2ARS. QSL via **ON5NT**. **YA5T** op Peter **ON6TT** on 28495 at 1236Z was worked in France on November 30, 2001.

A5 Bhutan. Two members operated the new contest station of Bhutan Amateur Radio Club A50A in October. Pat **N0ADQ** #68842 A52PC and Ken **K0EN** #04058 A52ED, were their call signs outside of the contest.

JW Svalbard. I helped Tom **LA7VK** #72716 get his membership recently. Tom is an airline pilot and flew to Svalbard on November 15th where he operated as **JW7VK** for two days. This was the first 10-10 activity from JW in many years and was a new 10-10 country for me. After we swapped numbers, we moved to 12 meters for another contact. Tom will to be back in January 2002 and plans to stay for two days. QSL to **LA7VK** with a green stamp.

A new DXCC country has been created from **Ducie Island** north of **VR6 Pitcairn Island**. Pitcairn was allowed to join the IARU in November. Therefore, Ducie now qualifies by separation of water from Pitcairn to be a new country #335 for ARRL DXCC. However, no amateur

radio activity has occurred from Ducie as yet. A boat load of operators headed for the island had to turn back to Pitcairn because of bad weather.

E3 Eritrea. Falk **DK7YY** #23467, and others were active as E30NA from October 19th to November 2nd.

EW Belarus by Vic **EW6OO** was on 28435 at 1635Z coming into Texas with a rare 10-10 number. Vic checked into the 28555 DX net today with a 59 signal from 1400-1545Z. Expect him to return next weekend on the net.

F France. Gerald **F8BGV** #72101, and others using TM9W as a special call until November 9th.

JA Japan by Yuu **JA7DY** #33678 is an avid county hunter and calls CQ on 28432.2 about 2245Z.

KH2 Guam. Ray **WH6ASW/KH2** #65818, is leaving Guam, returning to Hawaii. His new QSL address is Ramon E. Fabre, PO Box 1693, Aiea, Hawaii 96701, USA.

SV9 Crete. Bill, **W4WX** #62600 is active now as SV9/W4WX to December 4th.

TI Costa Rica. Bill **AK0A** #13996, operated between September 25th and October 9th as TI2/AK0A.

TI Costa Rica. Phil **N0KE** #15182 operated QRP in October and November as TI5X from TI5KD's station.

V3, Belize Joe **K8JP** #22977, is active as V31JP. He is a CW operator and will be there until April 2002.

ZC4 British Bases on Cyprus. Steve **ZC4BS** #52763, will be on all modes 10/15/20 Meters for the next year.

Propagation: Since the April 2000 peak of Solar Cycle 23 we continue to slide down the back side of this 11-year Sunspot cycle. Levels continue to decline even though we have had spurts of high sunspot activity which have given us unexpected good to excellent levels of HF propagation. Meanwhile, The Royal Observatory of Belgium, prime keeper of Solar data, reports the mean level of smoothed sunspot numbers are dropping. My prediction is for the Solar flux to range from **90-210** during the first quarter of 2002 and two good winter seasons remain in this cycle.

On December 1st, the **Solar flux was 226 the A index 3 and K index 1**, which is again above the flux numbers six months ago. Large M class solar flares have pushed the flux up the past 3 months. However, the average flux has stabilized somewhat from the highs in 2000. I foresee a 25-point drop in the average flux during 2002 and by December 2002, I expect a Solar flux range of 85-170.

Cycle 23 is now 4 years old. The flux continues to stay above 100 as this phase of the cycle turns down for two more years of good propagation during the winter months for the USA. Multi-hop F layer skip, has increased this fall-winter as the change of season brings better propagation to the USA.

Expect the best conditions on Dec. 19-21, Jan. 14-16,

2002; Feb. 10-13 and March 9-11. Stations in the Eastern USA, expect an 80% chance of DX to the East-West path into Europe or Africa. Stations in the Western USA, expect 50% chance of DX into Europe and an 80% chance into Asia. All of the USA will get a 40% chance into S. America in the mid afternoon. Expect a 5% chance of Long Path into Asia or Europe starting at 0000 UTC for central USA. The beacons from **28.175-28.300** will tell you what is open, especially 28.200. Good luck.

IOTA: 8P Barbados. NA-021 John **K4BAI** #45389, was active on CW as 8P9HT or 8P9Z (contest) until Nov. 27.

FS French Saint Martin. NA-105 Ann **W2AZK** #70464 was active from the French side of Saint Martin.

GM Scotland. EU-005 Leo **W3LEO** #48035, was on from Portpatrick, as MM0LEO from Oct. 14 to Nov. 17.

HC Galapagos. SA-004 Pedro **HC1OT** #38309 as HC8Z from Isla San Cristobal, Galapagos. QSL via NE8Z.

J6 ST LUCIA. NA-108 by David **K3LP** #13394, and Ernest **J69AZ** #70609, signed J6R in the October.

V6 Micronesia. OC-010 Sho **JA7HMZ** #30900, and a friend were active as V63DX from Pohnpei in October.

VP5 Turk's & Caicos Is. NA-002 Jack **N2VW** #01476 and others used the call VP5T in October.

New Fall DX members by Carol WA8YL #29588.

September 2001: G3XVF 72702, OH3TY 72703, ZL3TTU 72704, LU3EEC 72705, DF1RK 72706, 8R1Z 72707. **October:** VE3TUG 72708. **November:** 4X6HP 72709, VK6KBC 72710, VE7HBS 72711, DL2IAN 72712, VA3SPN 72713, PY5JO 72714, EI2IO 72715, LA7VK 72716, DL6OCF 72717 and 4L4FN 72722.

10-10 Bar Awards: Henry **DL8YBM** #36109 for 5600 Bar #66; Skip **VE2ERB** #20112 for 4300 Bar #124; Ad **PA3ABW** #24351 for 3300 Bar #224; Carl **PY2DBU** #8264 for 4700 Bar #104; and Clarence **KH7B** #34749 for 1700 Bar #638.

Countries Award: There are 573 basic certificates issued, I processed three new basic certificates and ten upgrades this quarter. Email any questions and I can send a list of your country credits by email or SASE by mail

The Sunday 28555 DX Net began in October at 1400Z and will continue until sometime in April 2002.

Thanks to the on-line DX List, QRZ-DX, Lee KH6BZF #8888 & Ohio/Penn DX Bulletins. Send photos to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA Email: N5MT@aol.com

DX IS!

73 Mike Davidson N5MT #24949

PAHRUMP GATHERING 2001

2001 Pahrump Gathering (Left to Right): N7HDB, K7PRZ, K6RDK, W8HL, K7POS, AC6FU, KJ7RF. Not Pictured - W6VY

and announcing....

PAHRUMP GATHERING 2002

All are invited to attend the 2nd of it's kind. A 10-10 gathering of like minds with lists in hand will be gathering Sept 27-28, 2002 to swap lists, swap stories, eyeball and maybe do some skywatching for aliens sliding over from Area 51. We never know what you might see in the skies over Pahrump.

2001 was small but loads of fun and those that attended had a good time. Plan to make it bigger and better for 2002. Hopefully getting it in the News early will help you plan your vacations.

Seriously now, reservations can be made at Saddle West for a very reasonable rate of \$47 per night Friday and Saturday and should you stay longer (ask for rates) for Sunday, Monday etc. Please make reservations under the 10-10 International name since they are giving us a special rate for this event. Let them know if you want smoking or non-smoking rooms. To make reservations call 1-800-433-3987. If you should run into any problems with the reservation ask for Wanda Kennedy at EXT. 140

All hams are welcome to come and visit with people you may have talked to many times but not gotten the chance to meet.

There are three major casinos, MacDonalds, Taco Bell, Burger King, two traffic lights, Walgreens. All the amenities.

I will let Doris fill in the various entertainments you might find within a day's trip. Death Valley, Amargosa Opera House, the Brothel Museum, etc.

For more information contact Gini n7hdb@teknet.com or 1-775-751-1139 or Doris, kj7rf@usintouch.com or 1-755-727-4317

CITY OF LIGHTS CHAPTER CELEBRATES

Just completing their 1,300 consecutive weekly net on November 6th, many local members of the City of Lights Chapter of Ten-Ten International and their spouses started their 25th year off the following weekend with a prime rib dinner at a fine local restaurant.

The City of Lights was started in 1977 by Jerry W9ZGP #12847 who was its Chapter Head until March 1991. Jerry then turned the Net over to Joe NA9A #31121, the current CH and CM. Jerry took the name from the city of Aurora Illinois where the net started because Aurora was the first city to use electric street lighting and thus was called "The City of Lights."

Currently The City of Lights holds two weekly nets every Monday (Central Time): 8:00 pm CW at 28.150 and 8:30 pm SSB at 28.720.



Attending the celebration dinner were City of Lights members - left to right in the back two rows: Gary KC9UM #31175, Ed KD9XP #32557, Gary WA9OFH #65322, Jon K9JLS #22358, Bob K9EUI #18563, Bill W9AX #62915, Bill WA9TPQ #62971, Bill KB9YSI #72618, Alan W9AN #65272, Dick (ARRL Central Division Director) W9GIG #62987, Benny W9CZA #62970, Bob KB9FUR #58636 and Joe NA9A #31121. Left to right in the front row: Keith AB9CC #69634, Maurice W9CEO #30439, Jean N9HED #50685, Don W0HED #58789 and Dick AH6EZ/W9 #71649.

**WOW - 25 YEARS
CONGRATULATIONS!**

Our old buddy Marcus KM5EH #71103 found himself a neat sign and wanted to share it with all of you. Hey Marcus, did you go inside and check it out? Were they really serving Ten Ten's?

I'm Looking for an Artist...

You've seen the Ten-Ten cats placed throughout the News before. I even found another one in past issues that I scanned and published in this one. I am looking for someone to volunteer to draw a few black cats in different poses that can be used here in the News. Maybe even some head shots with different facial expressions. They would need to be drawn on good paper and at least 3" high. I will scan them in at 600 dpi and recreate as necessary for the size needed at the time. If you are good at drawing on a computer, that would work too, as long as they are saved in a high density format (300 dpi+). If you have any questions, please ask!

Steve NØWY #68684 Editor



I've been receiving requests to publish my list of OM/XYL teams again - so here you are. I've added a few since the last time. Listed by XYL first!!! - Editor

OM/XYL TEAMS

00218 / 08135	36368 / 25296	48212 / 48213	58018 / 56712	63355 / 62150	67303 / 60964	70282 / 70283
06653 / 03623	37907 / 22662	48420 / 19328	58095 / 58094	63376 / 63375	67398 / 68155	70302 / 70303
07634 / 02944	38556 / 32773	48465 / 47852	58476 / 51311	63541 / 63526	67505 / 67543	70520 / 70519
11825 / 11784	39499 / 36388	48628 / 48461	58494 / 26614	64078 / 64077	67536 / 67554	70617 / 66048
12332 / 08011	39519 / 35500	48715 / 47266	58528 / 64937	64214 / 64213	67828 / 64392	70623 / 70622
14395 / 12170	41355 / 41354	48753 / 47286	58759 / 58755	64247 / 66744	67966 / 67509	70747 / 68570
14583 / 14582	41496 / 37297	49092 / 41159	58794 / 63849	64386 / 21786	67998 / 67997	70752 / 71541
14966 / 14965	42128 / 37215	50122 / 45792	58846 / 24086	64573 / 64572	68115 / 63098	70775 / 69697
15412 / 15403	42135 / 26622	50162 / 50912	58890 / 59845	64650 / 61416	68129 / 68888	70857 / 29906
15675 / 70836	42181 / 42180	50368 / 50367	59358 / 43483	64796 / 56067	68155 / 67398	70965 / 55959
15770 / 15769	42336 / 22277	50407 / 30939	59716 / 56976	65096 / 65025	68349 / 66314	70980 / 69680
16333 / 16332	43609 / 43635	50631 / 49610	59754 / 59739	65111 / 65110	68361 / 16452	71015 / 69217
17416 / 39626	43784 / 21267	50678 / 50679	60019 / 60018	65199 / 66925	68471 / 13363	71089 / 69528
17875 / 17874	44303 / 43428	51350 / 51349	60439 / 60441	65444 / 51207	68517 / 57051	71109 / 71110
18673 / 21335	44644 / 44643	53060 / 01568	60729 / 60727	65689 / 65084	68585 / 69308	71135 / 71124
20258 / 31487	44954 / 20242	53115 / 47685	60930 / 51873	66012 / 66013	68589 / 67906	71204 / 70777
21257 / 21258	44969 / 44968	53914 / 15984	61304 / 40068	66018 / 66017	68619 / 68618	71433 / 71432
22159 / 43271	44999 / 04090	53929 / 42644	61807 / 58344	66157 / 66158	69354 / 69743	71636 / 70735
23331 / 19636	45010 / 44383	55117 / 55116	61874 / 60816	66190 / 65767	69582 / 69583	71793 / 71730
24822 / 24853	45129 / 23261	56170 / 56176	62133 / 67004	66293 / 66292	69610 / 69212	72021 / 11497
27190 / 27189	45670 / 45647	56604 / 56605	62275 / 61500	66628 / 68413	69681 / 69734	72242 / 56320
28842 / 19630	46150 / 46151	56617 / 56616	62407 / 17812	66828 / 66827	69700 / 21274	
30025 / 30024	46175 / 46176	56805 / 60599	62530 / 47633	66899 / 67583	69867 / 58517	
31236 / 24766	46485 / 46486	56932 / 56931	62666 / 34508	67007 / 59691	70005 / 70004	
31625 / 25603	47126 / 46332	57217 / 55192	62831 / 42777	67112 / 67384	70141 / 59148	
34494 / 28661	47466 / 22871	57419 / 18712	63054 / 61988	67126 / 68501	70186 / 70187	
34673 / 45671	47699 / 50801	57681 / 57122	63335 / 10280	67266 / 67265	70215 / 67174	



Mobile Antenna Troubleshooting 101

by Dave Kalb N2TDT #64232

I'm not an engineer but I often play one at work. I'm really just your average basic nuts and bolts technician and happy when I'm up to my elbows in a repair with the smell of solder hanging in the air.

Everyone has a wattmeter or SWR meter connected in line with their home rig. So when you notice the SWR begin to change you can adjust for it or plan ahead to send some time checking it out. You may not have any type of metering on your mobile system. So that your first indication of trouble is either missed calls or that strange blinking light or sound found on some radios.

What do I do? Case in point from everyday life at my shop. I do radio and system repair for Prince George's County Police, Fire and Public Services and BWI Airport in Maryland. Needless to say that a lot of our radio work comes from mobile systems.

Officer Murphy drives into the shop bay with a radio problem. I can hear people close by and can only talk to another officer if he is sitting beside me. "OK, wait one minute" you say. "What does any of this have to do with Amateur Radio?"

Listen up; the frequencies in use are not too far removed from HF, VHF and UHF amateur frequencies. In any event troubleshooting and good repair practices know no class boundaries. Amateur, public or private radio, all are the same. Now I resume my story.

The personnel in our bay are mainly installers, not heavily trained in electronics. They quickly swap out the radio, which you may or may not have an extra to do that with and of course find that the problem has not gone away. A quick check shows that the antenna is still on the vehicle. A wattmeter in line shows low outputs. Now here is where I get called in.

Lets start with the basics as I did with them:

a. You don't have to swap out the radio and waste the effort. A wattmeter connected to a dummyload, sometimes called an artificial antenna, would check the radio's output while not connected to the antenna and coax. Note: If the radio's power output measures really low, now you can change the radio. Those that use a matching network in their system, check the radio first then hook up the matcher with the dummyload at the output and do the test again. With a load on the output you should not have to adjust the controls and your readings should mirror what you measured from the radio by itself.

b. While you are at the radio, check out the coax connection. Is it loose, dirty, kinked? Half of our mobile problems come from either bad connectors (not installed right), loose connectors (I found three in the last four months that had vibrated right off the radio) or connectors that are dirty or damaged in some way. If the connector looks in bad shape, replace it. That \$5.95 connector is cheaper than either a \$100.00 radio repair for blown finals or two or three hours of your time in troubleshooting.

c. Before hooking up the radio again, check your antenna connections. Antennas of the past were hard wired with solder, PL-259 connections or screws. Today's antennas may have a spring inside the center of the screw base that provides your only contact with the center pin or flathead contact on the mounting base. Other antennas have the center wire of the coax fed through the top of the base mount and it is then bent over the screw threads and the antenna is screwed down on top of that; this type is prone to the wire breaking when the antenna is turned or removed. Check for dirt, corrosion, etc. If in doubt about the connection, clean both connection surfaces, screw it on and use an ohmmeter to check continuity from the stinger (antenna tip) to the center pin of the coax at the radio end. This should read close to a short; now move one lead to the outside of the coax, the shield or connector body. You should have an open reading. If not, before you do anything else, check the manufacturers manual on the antenna. Some antenna models have a loading coil that is shorted to ground, the base; RF doesn't see it but an ohmmeter will. If this is the case, remove the antenna and recheck that the coax is not shorted. Coax, with or without the connectors on it should not be shorted. For those that read an open when measuring the antenna, from stinger to center pin, the antenna is bad.

d. Now hook everything back together with the wattmeter in line and check your Forward (FWD) and Reflected (Refl) power readings. FWD should be high and Refl should be low. If not, there is still a problem and that usually is the coax.

In my case I got 2 Watts FWD and 0 Refl on a 5 Watt rig. I knew the coax was bad but thought I'd continue my demonstration. This is for those who don't think the coax was bad or you just want to be 100% sure.

e. Replace the antenna with a longer one and then with a shorter one. The power readings should change. In my case they didn't. The Reflected power should have risen to 1 or 2 Watts to show the changes of the antenna. You can also do the same thing by removing the antenna. No antenna should give you a really high reflected power reading. Why? Cause there is no antenna to radiate the RF. As in my

case, the wattmeter readings didn't change.

f. If you have some fancy devices; a Field Strength meter, an MFJ-249/259 or Sitemaster (more on this later) use them. The Field Strength meter should show a deflection if the antenna is radiating and the MFJ-249 should give you a reading for match along the antenna's frequency range. Note to self: when using an MFJ-249 or other antenna analyzer, if you get a match over a really broad range, say 400 MHz to 480 MHz on a 440 MHz antenna, suspect your coax; especially if you remove the antenna and get a better match!

OK, back to the police car and the coax. Why did it check good for the ohmmeter test but fail when RF power was applied? For that reason. The ohmmeter tests DC resistance and is not dependent on frequency or power. Circuits deal with DC differently than they deal with AC or RF. In my case the coax had a rub hole in the outer casing and braid that let moisture in and over time the dampness did its work unseen.

One other test that could be made using a multi-frequency radio is also a good example I use in the shop for antenna matching. You can change the frequency band on the radio from 440 MHz (UHF) to 144 MHz (VHF)(2 Meters) and not change the antenna and look at the power levels. Refer to "e" above. On one frequency band you may get a match and on another the problem will show up as unmatched very easily.

This pops up because in testing an installation one of the service people used the shop test radio to check the system. He got a high reflective reading and thought there was something wrong. The installation called for a VHF antenna which he used. The problem was that the shop radio was UHF (456 MHz). The clients radio is VHF (156 MHz) and worked fine when used. This illustrates the value of matching the antenna to the frequency.

While I'm not a salesman, I like to say informed on new items. And as most adults, I love toys. Especially if the boss buys it for me. The Sitemaster by Anritsu is a two handed device about the size of an ICOM-706 radio or a KFC's box

lunch. It is a handheld Spectrum Analyzer. What it does is inject a range of frequencies into a wire, antenna, matching unit, etc and gives you a video display of the resulting curves. You can view the band edges on the antenna and the approximate SWR match at different frequencies. It can also give you distance to fault in feet and inches if you are looking for a break in a line or a bad connection. It can also be used in antenna tuning. The results can be saved to disk, viewed on a computer or printed and compared with older results to note system changes. A really great item, but expensive, have your uncle buy it.

Some closing notes: Some things to consider when buying your next car. Read the manufacturers manual on adding radios, especially transmitters. There are some models that are very susceptible to RFI and some makers who spell out in the book "The addition of a two-way transmitting device voids electrical warranty." Find out where the main computer for the car is and run the coax on the opposite side of the vehicle. Also use the tightest braid possible (95% or better, or double shielded). The braid is the outside shielding of the coax, what most call the ground. It is the weave of the wire around the center conductor, a higher weave means the wire strands are closer together and allows less RF leakage through the shielding. We had a new install on a 2000 model pickup truck with a 50 Watt VHF rig, antenna mounted in the center of the roof, that when the mike was keyed the truck stalled! Not a nice thing at 50 MPH on the highway. We had run a 75% braided coax too close to the vehicles computer and the RF field would kill the computer. The computer was in a plastic box, no shielding. We repositioned the coax and still had to reduce the output power to about 25 Watts with a quarter wave antenna. No type of gain antenna could be used.

Dave Kalb, N2TDT, Sarge to all his friends. Trained in aircraft and Air Traffic Control electronics, he retired from the Army after 22 years. He now works as a Senior Field Technical Specialist and holds various FCC licenses, including Amateur Extra Class, MS Office certifications, and AS and BS degrees. He can be found on the Ft. McHenry weekly nets on 28.370, Thursdays and Fridays at 2400Z. Email: N2TDT@ARRL.NET

PLANNING ON GOING TO HAWAII?

A custom made plaque is now issued to 10-10 members who qualify for the Hawaiian Visitor seal issued by the Alii chapter on Kauai. The plaque is handmade by KH6DRT. The award is not retroactive and only 2 have been issued so far. This plaque was presented to K7QXG at a luncheon hosted by the Alii Chapter on Sept. 30th near Lihue, Kauai.



If sending QSL cards for a WAS award, do NOT send them in a brown envelope.

WARNING!

They are not strong enough to keep from being torn badly and losing some or all of the cards. Highly recommended are the envelopes or packages from the Postal service sent as Priority Mail. They provide the box or heavy envelope. Yes, it costs a bit more, but the delivery is a little faster, and you WILL NOT LOSE your QSL cards! A one pound package costs \$3.50 each way at this time. How much does it cost to replace a difficult to find QSL card? There are some Tyvek envelopes out there which would do it, but they are difficult to find.

W6OI #109 ON THE AIR

The 10-10 Club Station, W6OI #109 is available to any current (dues paid) 10-10 member or chapter for use as a special event station such as for Field Day, Chapter Gatherings, and Radio Conventions. Send a written application including dates and purpose of operation and any other information to:

Jack Moore K5CC #50708
W6OI License Trustee
371 Ridge Creek Ln
Bulverde TX 78163

Enclose a copy of your amateur license. QSL cards are available for special event activities.

W6OI was on the air for the 10-10 Sprint on October 10 and for the fall CW Contest on October 27-28. On September 22 Harry Hochman K2IQN #72254 operated W6OI at a Special Event to honor the memory of New Jersey fireman Lawrence Webb, who perished in the line of duty. The event also commemorated the victims of the September 11 disaster. *See picture top of Page 9.*

Louise Chapman N6ELK #36654 operates W6OI each Wednesday as the 10-10 Net Control Operator beginning at 1800z on 28.800 MHz. Please include a SASE when requesting a W6OI QSL card via:

Louise Chapman N6ELK #46654
3210 Clark Ave.
Long Beach CA 90808.

Paperchasers working W6OI can request a copy of the W6OI chapter list from Jack K5CC

Meet Don Ruf KBØON #29849 10-10 Data Verification Manager

Greetings to all. I was born and raised in Kansas City. I joined 10-10 International in 1980. At first I was content to collect 10-10 numbers only, but many that I worked would ask for additional numbers immediately after they worked me for my 10-10 number. Soon I joined the local Chapter, MoKan, and then the Old Fort Chapter out of Fort Wayne, Indiana. I found a great frequency to collect numbers on 28.825 that people called the Backscatter Net which virtually ran from the first propagation in the morning until the last propagation in the evening. This was a controlled net, but the net structure allowed everyone to make the contacts they needed and proceeded very efficiently. People were helpful, polite, observed the net control's instructions exactly, and practiced good operating habits. While not collecting numbers from new check ins, friendly general conversation was done which allowed each of us to know each other better and to develop lasting friendships. Shortly afterward, I joined several other Chapters and got bitten by the paper chaser bug. Eventually, I shared net control responsibilities when I got home from work and on the weekends.

I soon realized the amount of paper work was staggering and thought that there should be a better way to track all these contacts and awards. After exploring all possibilities and coming up with nothing suitable, I decided to write my own computer program to track these awards. This resulted in a full blown data base program called DBTEN that I later on released for others to use and shortly afterward had several hundred copies distributed world wide.

On February 27, 1982, I started the Santa Fe Trail Chapter and have served as Chapter Head and Certificate Manager ever since. In early 1983 my work transferred me to Tampa, Florida. I enjoyed the surroundings until one fateful day when I was informed that the company was merging and doing away with my Engineering Manager position. In April 1984, I found a new position in the Ft. Wayne area and have been here since holding Quality Assurance Engineering and Management positions

As a checking aid, I wrote a roster program to make VP number collection easier and also a program to track silent keys. In early 2000 work was initiated to clear up some discrepancies and update VP member information. This VP roster program called Mastrvp was made available to the 10-10 membership free of any charges. On July 15, 2000, Tom K4CIH formed the 10-10 VP Data Accuracy and Verification Committee of which I was appointed Chairman. On April 30, 2001, this Committee had obtained its goals and was dismissed. On this same date (subject to the 10-10 Board approval which was obtained at the last Board meeting), Chuck W6YLJ created the 10-10 Data Verification Manager position and appointed me to this position. There is a lot of work to be done and I am looking forward to proceeding with this challenge.

I operate 10 meters exclusively and am on the air every day collecting VP numbers, 10-10 numbers, chapter numbers, and rag chewing. Hope to talk to everyone soon.

73, Don

KBØON #29849



10-10 Scholarship Foundation

HONOR ROLL SCHOLARSHIP FOUNDATION VOLUNTEERS

The members listed below became 10-10 Scholarship Foundation Volunteers during the months of September, October and November 2001. We encourage our members to follow their fine example. With the IRS approval of the new 10-10 Scholarship Foundation as a qualified 501(c)(3) tax exempt organization, your contributions are now tax deductible.

Foreign members please note that students (including non-U.S.) who study outside the United States will be eligible to receive a 10-10 Scholarship in the next award cycle.

W3INW.....00369.....	Robert Field
K6ME.....08780.....	Terry Cobb, Sr.
K3RXK.....11471.....	Anthony Curtis
KP4FBA.....42954.....	Francisco Serra
N3NOP.....63098.....	Robert Fulton, Jr.
NE4TM.....65110.....	Tommy Melton
NE4LR.....65111.....	Lillie Melton
AD7C.....67434.....	Arthur Code
KB9LPM.....67458.....	Judith Zacharias
N9LZ.....67459.....	Larry Zacharias
K6CVK.....69161.....	William Olsen
W4EAF.....71972.....	Joseph Adams
KR6AD.....71973.....	Fred Cox, Jr.
KF6YYO.....71963.....	Robert Grossman
W2YC.....71898.....	David Stout, Sr.

You too can become a 10-10 Scholarship Foundation Volunteer, by making your check payable to the 10-10 Scholarship Foundation. If your employer will match your contribution, please let us know. 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).

Hugh A. Turnbull, W3ABC, Chairman of FAR's Scholarship Committee, announced the five most recent winners of the 10-10 Scholarships in the October 2001 10-10 International News. Over the past 13 years, 10-10 has funded 40 scholarships valued at \$36,000.

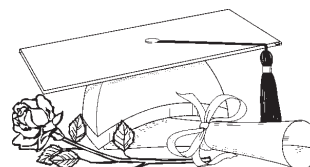
Applicants must be licensed Radio Amateurs having HF privileges. There is no restriction on the course of study, but applicants must intend to seek at least an Associate degree from a college or university. Non-U.S. Amateurs and those seeking graduate degrees are also eligible. Foreign members please note that students who study outside the United States will be eligible to receive a 10-10 Scholarship in the next award cycle.

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, 2002 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, 2002.





Silent Keys

Compiled and listed by
Ruth Bartholomew NØKDB #48715

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.

03515	KE8DI	William Moss	.....	Petoskey, MI
03613	K4KG	Bill Jay	.....	Douglasville, GA
03706	WA4MEX	Bill Highers	.....	Somerset, KY
05260	WA9WLE	David Hanson	.....	Cottonwood, AZ
05786	K4RT	William Hall	.....	Venice, FL
05853	AE4X	Robert Palmer	.....	Sarasota, FL
07434	W6IFC	Lyman Treaster	.....	Visalia, CA
07676	WB4GCK	Henry Lathrop	.....	Lakeland, FL
08142	WB4NFI	Harry Kroll	.....	Knoxville, TN
08528	W1CRL	Lad Hlavaty	.....	Hampstead, NC
09644	K6GII	Don Orth	.....	Fair Oaks, CA
10613	W8TJQ	Bill Chapman	.....	East Lansing, MI
12026	WB0ILN	Harold White	.....	Kansas City, MO
13109	W3QMY	Richard Reynolds	.....	Erie, PA
13712	K5KKO	Bill Raue	.....	El Paso, TX
14425	W3HRD	Bill Ruth	.....	Mount Airy, MD
15322	K1WJ	Bill Jennings	.....	Colchester, CT
16633	W7WFK	John Pinto	.....	Kent, WA
17020	WA9EZIP	Irene Kennedy	.....	Fort Wayne, IN
20181	KB2EN	Stanley Feldmann	.....	Deltona, FL
20212	K2SOT	Raymond Pettinger	.....	Whitesboro, NY
20819	WD8LKT	John Milhoan	.....	Parkersburg, WV
20943	WB4DYY	Warren Glasscock	.....	Deatsville, AL
21343	WA6LVZ	Fay Bell	.....	Walla Walla, WA
21958	VE3ASJ	Howard Humphrey	.....	Smith Falls, ON
26928	NR7B	Lester Morgan	.....	Spokane, WA
29891	KB0QI	Locita Herren	.....	Colorado Springs, CO
30858	WA2VBD	John Lafferty	.....	Point Pleasant, NJ
31309	WB1GMH	John Fellows	.....	Middletown Springs, VT
31384	W1CUI	David Wheaton	.....	Yarmouth, ME

32570	KC1TI	James Mitchell	.....	Marstons Mills, MA
32768	K7ITW	Ralph Millard	.....	Tacoma, WA
33224	WD4AZG	Richard Miller	.....	Manassas, VA
33560	W5PIZ	John Halliday	.....	Albuquerque, NM
33901	AA7XQ	Howard Ayer	.....	Brookings, OR
35313	W1EGJ	Lawrence Wright	.....	Peabody, MA
38489	VE6GG	George Read	.....	Edmonton, AB
39701	K4GWE	Garriett Edwards	.....	Clay, KY
40457	K1LPX	Neal Wigger	.....	Raymond, NH
41154	W2IQ	Hank Clark	.....	Dandridge, TN
41627	W0LGH	Bill Richardson	.....	Wichita, KS
41958	WB2GJE	Elwood Robinson	.....	West Orange, NJ
42018	G0FQX	Len Key	.....	Milton Keynes Buckinghamshire, EN
44227	AC4GN	Bill Sanders	.....	Lebanon, TN
45397	N4BJZ	Gene Heath	.....	Box Springs, GA
46749	KA9DVY	Nellie Myers	.....	Dixon, IL
47167	WA6MVD	Diane Armstrong	.....	Moreno Valley, CA
47686	K7AJT	Dick Foster	.....	Aberdeen, WA
48039	W8SPL	Leslie Diehl	.....	North Canton, OH
53242	W5UHG	Paul Clark	.....	Orange, TX
53800	KA2DRF	Winston Grant	.....	West Hempstead, NY
55961	N9JUJ	Terry Ludwig	.....	Oconomowoc, WI
57266	W6RQQ	William Kirk	.....	San Diego, CA
58106	WB2BAU	George Veraldo	.....	Norwood, NY
58382	KC4ZAW	Evelyn Evans	.....	Pelham, AL
58725	KB0HKW	Lynn Jenkins	.....	St. Clair, MO
58992	VE7HRC	Harold Colliss	.....	Prince George, BC
60892	WB4NNC	Albert (Albie) Allen	.....	Franklin, NC
62326	N0SYU	Jerry Summers	.....	Kansas City, KS
62673	KD4KQB	Bill Swan	.....	Louisville, KY
64398	KK5GX	Chaillos Cross	.....	Albuquerque, NM
64742	AE4MQ	Sam Hitch	.....	Midlothian, VA
66783	KG2FH	Kenneth Sanchez	.....	Alberightsville, PA
66827	K0ZRC	Ralph Carlson	.....	El Paso, TX
67568	K0TTY	Harold Jones	.....	Salina, KS
69777	W4YRB	Carl Steele	.....	Abingdon, VA

Please send silent key information to Ruth Bartholomew, NØKDB
HC65 - Box 102A, Sullivan MO 63080-9204
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 of any errors

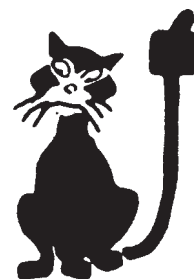
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10-10 AWARD INFORMATION

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, 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>

BAR AWARDS

A 10-10 Bar represents a legal contact with one hundred (100) 10-10 members. A Bar award may be applied for and awarded for each group of 100 10-10 members that you work. Additional certificates are available for the Bar levels of 1000, 2500, 5000, 7500, 10,000 and every 2500 contacts above.

INTERNATIONAL 500 OF THE WORLD (VP)

When you attain the 500 Bar from the 100-900 bar manager, you automatically become a member of the International 500 Club and will be assigned an honorary VP number to be used in conjunction with your 10-10 number. With the issuance of the number you are eligible to participate in the VP award program. The VP award recognizes those 10-10 members that work other members with VP numbers. A 10-10 member may apply for VP award endorsements when completing 100 contacts with VP members. A VP award may be applied for and

awarded for each group of 100 that you work. Also available to VP members are the VP Worked All States award and the Lucky 13 Certificate. The Lucky 13 award is intended to demonstrate the operator's ability to work the entire 10-meter band. The 10-meter amateur band extends from 28.0 to 29.7 MHz. The Lucky 13 award is awarded for completing a legal 10-10 contact with 13 different VP's on 13 different days on 13 different 100 kHz (plus or minus 10 kHz) segments of the band. These contacts must occur between 28.3 MHz and 29.7 MHz. There are 15 possible 100 kHz segments possible within this band section. For purposes of the Lucky 13 award, mobile, portable, or fixed operation may be used. Contacts can be made using any legal mode of operation. QSL conformation is not required.

WORKED ALL CONTINENTS AWARD

The 10-10 Worked All Continents award is issued for successfully working a 10-10 member in each of the six (6) radio continents (Africa, Asia, Europe, North America, Oceania, and South America)

COUNTIES AWARD

10-10 offers an award for working all 3077 U.S. Counties. The basic certificate is issued for the first 100 counties contacted. Endorsement seals are available for each 500 level. A plaque is awarded for working all 3077 10-10 Counties.

COUNTRIES AWARD

The Countries award certificate is awarded for confirmed contacts with 10-10 members in other countries. Applications require confirmations in the form of QSL cards (or non-returnable photocopies). A legal 10-10 contact within the applicant's country may be counted as one contact for this award. A basic

10-10 Countries certificate is awarded for contact with 25 countries. Thereafter, endorsement seals may be applied for in groups of 10 through the 75-country level. Beyond the 75-country level, endorsement seals are awarded in groups of five (5)

CW AWARD

The basic certificate for this award is earned with a minimum of 25 legal contracts with other 10-10 members

MOBILE AWARD

The basic Mobile Contact award is issued for 25 mobile contacts. Each contact must consist of the 10-10 number, call sign, name, QTH (state or country) of both parties and the date. Endorsement seals are available for the 50, 75, and 100 contact levels.

OM/XYL AWARD

Within 10-10's membership there are many husband and wife teams. These are referred to as OM/XYL teams. 10-10 offers the OM/XYL award for contact with as many of these teams as an operator can find. The basic OM/XYL Award is for contact with ten (10) teams.

WORKED ALL STATES AWARD

Make a contact with another 10-10 member in each of the 50 United States and you are eligible for the 10-10 WAS award

WPX (PREFIX) AWARD

The basic certificate is awarded for working 100 different prefixes

GREAT BRITAIN COUNTIES & REGIONS CERTIFICATE

A basic certificate is awarded for completion of a legal 10-meter contact with another 10-10 station in five (5) of the numbered Counties/Regions/Unitary Authorities of Great Britain.

AWARD MANAGERS

Bar Applications 100-900

Dan Morris, KZ3T # 41015 112 Royal Oak Ct. Lenoir, NC 28645 (828) 728-5049. kz3t@charter.net

Bar Applications 1000+

Allen Mattis, N5AFV #27571 5314 Wigton Dr Houston, TX 77096-5115. (713) 721-3637 afmattis@hal-pc.org

VP Bar Award Manager

Carl Fisher, W0HIK #40678 5 Angelina Dr Augusta, KS 67010-2262 (316) 775-5900 w0hik@aol.com

VP Worked All States Manager

Carl Fisher, W0HIK #40678 5 Angelina Dr Augusta, KS 67010-2262 (316) 775-5900 w0hik@aol.com

VP Lucky 13 Certificate Manager

Dan Morris, KZ3T # 41015 112 Royal Oak Ct. Lenoir, NC 28645 (828) 728-5049. kz3t@charter.net

Counties Award Manager

Dick Corlew, NC6V #25057 3213 Carolyn Circle Oceanside, CA 92054 (760) 757-9284 nc6v@home.com

Countries Award Manager

Hank Richroath, K5HWI #63313 .. 1004 S. Howeth St Gainesville, TX 76240-5904 (940) 612-1111 k5hwi@velose.com

CW Award Manager

Mike Davidson, N5MT #24949 ... 3518 Bellefontaine St ... Houston, TX 77025-1310 (713) 668-6408. N5MT@aol.com

Mobile Award Manager

Lee Zalaznik, KI6OY #50948. 334 Olivina Ave Livermore, CA 94550 (925) 455-0361 lzlznk@ix.netcom.com

OM/XYL Award Manager

Dave Becker, K7PRZ #47633 PO Box 5933 Portland, OR 97228 (360) 887-7155 k7prz@earthlink.net

Worked All States Award Manager

Pat Hibbs, KH6OE #28842. 4603 Glennda Way Louisville, KY 40219-2814 (502) 968-1894 kh6oe@home.com

WPX (Prefix) Award Manager

Cliff Taylor, WB4FBS #48461 22707 Red Mountain Dr. Elmendorf, TX 78112-6034. (210) 621-2741 wb4fbs@aol.com

Great Britain Counties & Regions Certificate Manager

Al Longo, NN1J #41728. PO Box 94 Springfield, ME 04487-0094 (207) 738-3268. nn1j@onperfect.com

Mike Crawshaw, G4BLH #18446 .. 50 Kibble Grove. Brierfield, Nelson , Lancs, England BB9 5EW .. Tel 01144 1282 613754 ... g4blh@zen.co.uk

10-10 AWARDS

TOP TEN HONOR ROLL

Award Manager:
Allen Mattis
N5AFV #27571

#	CNTCTS	CALL	10-10#
01	24600	WA5JDU	03017
02	20600	WB1DBZ	26001
SK	19400	W0RWC	00581
03	17000	PJ2WG	27999
04	16700	W4WKQ	33299
05	16500	K5MRU	00218
06	14100	WB7NUU	17416
SK	11600	WA9LIC	01599
07	11500	K0PV	09902
SK	11400	N5CUQ	00040
08	11100	K5GAY	11825
09	10800	NS4M	41176
10	10600	W9IAI	35140

1000+ BAR AWARD

Award Manager:
Allen Mattis
N5AFV #27571

1000 BAR			
CERT #	CALL	10-10#	
1503	KR4JY	64404	
1504	N2LOQ	61745	
1505	WD0SFT	37933	
1506	AB7IZ	66835	
1507	KD4ZAT	68597	

2500 BAR			
CERT #	CALL	10-10#	
410	KJ7WK	67955	

5000 BAR			
CERT #	CALL	10-10#	
85	K7URK	23567	

7500 BAR			
CERT #	CALL	10-10#	
35	W5EIJ	11732	



500 BAR AWARD

Award Manager:
Dan Morris
KZ3T #41015

VP #	CALL	10-10#
3192	K4DTT	38832
3193	KB9TAA	70735
3194	N5ZIS	62163
3195	WD0SFT	37933
3196	NM5MD	72385
3197	WL7EM	61293
3198	KF3BN	39524
3199	N1RCJ	65412
3200	KA9HFA	50659
3201	W6OH	08877

LUCKY 13 AWARD

Award Manager:
Dan Morris
KZ3T #41015

CERT #	CALL	10-10#
443	N3FSC	46927

VP AWARD

Award Manager:
Carl Fisher
W0HIK #40678

VP WAS			
CERT #	CALL	10-10#	
028	KA3WWG	56860	

VP100			
CERT #	CALL	10-10#	
499	WA6GSV	07673	
500	WB6OJB	70675	
501	WD0SFT	37933	
502	KG4DWX	70848	
503	VE5RMO	70608	
504	KJ6DB	71092	

VP200			
CERT #	CALL	10-10#	
270	KC7TOT	69913	
271	K0CIY	71900	
272	N2LQQ	61745	
273	WA6GSV	07673	
274	WD0SFT	37933	
275	W3VAL	71182	
276	K6UGS	12333	
277	WA9LJK	70789	

VP300

CERT #	CALL	10-10#
173	W5UFA	23660
174	WD0SFT	37933
175	K0CIY	71900

VP400

CERT #	CALL	10-10#
119	K6MQ	71487
120	KM5EH	71103

VP500

CERT #	CALL	10-10#
085	W3EHZ	39561

VP600

CERT #	CALL	10-10#
051	K5HWI	63313

VP700

CERT #	CALL	10-10#
031	KZ3T	41015

VP1900

CERT #	CALL	10-10#
002	KB0ON	29849

WORKED ALL CONTINENTS AWARD

Award Manager:
Dick Corlew
NC6V #25057

CERT #	CALL	10-10#
569	DL5DXS	68916
570	K8XF	12512
571	K9DEA	72199
572	N3FSC	46927
573	WB9MFC	11370

WORKED ALL STATES AWARD

Award Manager:
Cliff Taylor
WB4FBS #48461

CERT #	CALL	10-10#
2427	KJ6DB	71092
2428	K4DTT	38832
2429	KA1TLP	70215

DX COUNTRIES AWARD

Award Manager:
Mike Davidson
N5MT #24949

BASIC AWARD 25 COUNTRIES

CERT #	CALL	10-10#
571	K7WV	70018
572	KB3DAI	71113
573	HB9DOT	36694

35 COUNTRIES

CERT #	CALL	10-10#
319	N6OPR	45715
320	N0WY	68684
321	K5CC	50708
322	HB9DOT	36694

45 COUNTRIES

CERT #	CALL	10-10#
226	N6OPR	45715

55 COUNTRIES

CERT #	CALL	10-10#
162	LU1BJW	39329
163	N6OPR	45715

65 COUNTRIES

CERT #	CALL	10-10#
115	DK3KD	58990

95 COUNTRIES

CERT #	CALL	10-10#
038	WB4FBS	48461

COUNTY HUNTER AWARD

Award Manager:
Hank Richroath
K5HWI #63313

100 COUNTIES

CERT #	CALL	10-10#
468	K0CIY	71900
469	N0WY	68684
470	KC8RRO	72780

200 COUNTIES

CERT #	CALL	10-10#
289	N0WY	68684
290	W0RTV	13962

10-10 AWARDS

300 COUNTIES			CW AWARD			MOBILE AWARD			310	NM5MD	72385
CERT #	CALL	10-10#	Award Manager:			Award Manager:			311	KC8RRO	72780
191	N0WY	68684	Lee Zalaznik			Dave Becker			312	KB9ORA	69638
192	KJ6DB	71092	KI6OY #50948			K7PRZ #47633			313	K0CIY	71900
500 COUNTIES			BASIC – 25 CW CONTACTS			MOBILE WAS			200 PREFIX		
CERT #	CALL	10-10#	CW #	CALL	10-10#	CERT #	CALL	10-10#	CERT #	CALL	10-10#
121	KM5EH	71103	062	W3SE	53431	003	K1IEQ	31363	169	<i>not used</i>	
600 COUNTIES			063	K5CC	50708	BASIC MOBILE AWARD			170	WA6GSV	07673
CERT #	CALL	10-10#	50 CW CONTACTS			CERT #	CALL	10-10#	171	AB7IZ	66835
087	AA1NC	67174	CW #	CALL	10-10#	116	ZL2BLQ	37883	300 PREFIX		
800 COUNTIES			051	W0RTV	13962	117	W5UFA	23660	CERT #	CALL	10-10#
CERT #	CALL	10-10#	062	W3SE	53431	118	N6TXT	50198	096	K6MQ	71487
046	K2BIL	68799	063	K5CC	50708	119	N1QMU	67146	097	N0WY	68684
1700 COUNTIES			75 CW CONTACTS			120	KC8RRO	72780	098	AA1NC	67174
CERT #	CALL	10-10#	100 CW CONTACTS			500 MOBILE AWARD			GB COUNTIES & REGIONS CERTIFICATE Award Manager: Mike Crawshaw G4BLH #18446		
004	WB4FBS	48461	CW #	CALL	10-10#	CERT #	CALL	10-10#			
OM/XYL AWARD			062	W3SE	53431	001	WB4FBS	48461			
Award Manager:			200 CW CONTACTS			WPX (PREFIX) AWARD			ENDORSEMENT		
Pat Hibbs			CW #	CALL	10-10#	Award Manager:			10 COUNTIES/REGIONS		
KH6OE #28842			062	W3SE	53431	Al Longo			CERT #	CALL	10-10#
BASIC – 10 TEAMS			100 PREFIX			NN1J #41728			020	AA1NC	67174
CERT #	CALL	10-10#	CERT #	CALL	10-10#	100 PREFIX			009	G4KHF	34443
443	K6UGS	12333	056	W7MC	69078	308	KG6BOV	69136	025	WD4GEO	71574
			062	W3SE	53431	309	WA6GSV	07673			

PLANNING ON A TRIP TO DAYTON THIS YEAR?

It is not too early to start thinking about Dayton 2002. The dates are Friday through Sunday, May 17th through May 19th. As in the past 10-10 has arranged for a block of rooms at the Days Inn, in Brookville, Ohio. In addition to the Days Inn a block of rooms is also available at the Holiday Inn Express located across the street from the Days Inn. For those of you who were at Dayton this year, it is finally finished and opened.

The stay must be for a minimum two nights. At the Days Inn, smoking/non smoking singles and doubles are available. Singles are \$51.70 and doubles are \$62.95. There is an out door swimming pool and sweet rolls and coffee/orange juice available in the office each



morning. At the Holiday inn Express only non smoking/doubles are available and the cost is \$100. There is an indoor swimming pool, Whirlpool, Fitness Center, Meeting Rooms, in-room hairdryer and Coffee Maker. A Continental breakfast is also available each morning.

Accommodations at the Days Inn are available currently to only those who were registered last year. So get your name on the waiting list if that motel is your desire.

If you are interested please contact Gerry Gross, WA6POZ@ARRL.NET or phone/fax at 402-891-2481 (leave message as the phone is never answered). Please list a phone number so we may contact you.

CONTEST RULES AND CALENDAR

10-10 QSO PARTY RULES

6.2 QSO Parties

10-10 QSO Parties are contests and awards are given for high scores in Call Areas, countries, etc., 10-10 likes to think of these contests as Parties. These Parties are held for fun and to meet 10-10 members around the world. There are a few basic rules that all participants must follow in order to make the Party fair for everyone and to make the scoring as straightforward as possible for the volunteer scorers. All QSO Party rules are listed below. 10-10 sponsors four (4) QSO Parties and one (1) 24-hour Sprint Party each year. A 10-10 CW QSO Party is held in the Spring and Fall and a 10-10 Phone QSO Party is held in the Winter and Summer each year. The 10-10 Day Sprint is held on October 10th (10/10) each year. All 10-10 QSO Parties are 48 hours long except for the Sprint Party, which is 24 hours in length.

6.2.1 Who Can Participate?

10-10 QSO Parties are open to all amateurs with operating privileges on the 10-meter band. 10-10 members may use any contacts made for 10-10 awards. Non 10-10 members may use contacts to qualify for 10-10 membership or may choose to just give their call to 10-10 members.

6.2.2 Entry Classifications

You may enter each QSO Party in ONE of the following categories: Individual, Club or QRP. The Individual category includes single station operators and can also include OM/XYL or families using one shared station with individual call signs and 10-10 numbers. The QRP category is for stations with output power of 5 watts for CW, 10 watts PEP for SSB or 10 watts for AM/FM. Stations operating in the Club category must be a legitimate 10-10 Club with a registered 10-10 number, a government issued call sign and a membership of at least 5 amateurs. All Club members operating the Club station during a Party must be paid members of 10-10. A list of all operators in this category must accompany the submitted logs. Multi-transmitters (2 or more transmitters operating simultaneously, sharing one call sign) are NOT accepted in any QSO Party.

6.2.3 Score Assignment

Under certain circumstances it may be possible to assign your QSO Party score to your local 10-10 chapter. Only a paid 10-10 member belonging to a particular chapter as a local member may make chapter assignments of scores. Local members are defined as those members that can work the chapter net via ground wave. If in doubt regarding your qualifications to assign your score to a 10-10

6.2.4 Logging Contacts

During a QSO Party or 10-10 Day Sprint, log your contacts with the following information: date: in UTC, call sign, name, QTH (state or country), 10-10 number, and points claimed. A sample log sheet is included on the 10-10 web site to aid you in setting up a log. All logs must be in UTC. If you log by hand, the above format will work well. If you log by computer, you may need to add columns for the 10-10 number, etc. Both hand logs and computer logs are acceptable for all 10-10 QSO Parties and the 10-10 Day Sprint. QSO Party logs may be submitted for ONLY one (1) category. For example, a single log CAN NOT be submitted in both the QRP and Club categories. In 10-10 Parties individuals compete against individuals, QRP stations against QRP stations, and Clubs against Clubs. QSO Party and 10-10 Day Sprint logs are accepted from paid 10-10 members ONLY.

6.2.5 Call sign/10-10# Dupe Sheet

A Dupe Sheet is required for all QSO Party and 10-10 Day Sprint log submittals based upon the following criteria. A Dupe Sheet is required if more than 50 contacts are made. Either hand generated or computers Dupe Sheets are acceptable. All submitted Dupe information should be in an alphanumeric sequence. Duping may be accomplished by use of the 100 square grid method using either 10-10 Number or call sign information. Example Dupe Sheets are included on the 10-10 web site. Some Contesters keep the Dupe Sheet current as they work each station, others bring it up to date during lull periods, and still others fill it out after the contest is over. Use whichever way suits your method of operation, but a call sign or 10-10 number Dupe Sheet MUST be provided with your QSO Party or 10-10 Sprint Party submittal if over 50 contacts are claimed.

6.2.6 Cover Sheet

QSO Party logs must be submitted using a 10-10 Cover Sheet. 10-10 Cover Sheets are published on page 32 of each issue of the 10-10 International NEWS. A sample Cover Sheet is also included in this Brochure or you can find a Cover Sheet on the 10-10's web site. An approved Cover Sheet You MUST be used one of these approved Cover Sheets when submitting your QSO Party or 10-10 Sprint results. Whatever Cover Sheet is used, make sure it must be filled out completely - name, call sign, 10-10 number, current mailing address, date of contest entered, etc.

6.2.7 Contest Submittal

The contest submittal package for any 10-10 QSO Party (CW or Phone) as well as the 10-10 Day Sprint, must include all of the following four (4) items: 1. Cover Sheet with all blanks filled in 2. Proof of membership such as a copy of your 10-10 dues card or mailing label from your latest copy of the 10-10 NEWS showing that your 10-10 dues are current as of the date of the QSO Party entered 3. Log in UTC format; hand or computer generated is acceptable 4. Call sign dupe sheet completed (if over 50 contacts are claimed) using 10-10 numbers or using call signs. - all contest submittals must have a Call Sign or 10-10 Number Dupe Sheet if over 50 contacts made. No dupe sheet is required if less than 50 contacts.

6.2.8 Certificates

A certificate will be awarded to the top scorer in each country and each US call area for each CW and Phone QSO Party, and for the 10-10 Sprint event. A country is defined as one of those on the current ARRL DXCC countries list. Certificates will also be awarded to the Top 10 finishers in the world and to the first place finishers in the Club, QRP, and chapter categories. In the event of a tie, the tiebreaker will be based on the greatest number of contacts made. All final scores for CW and Phone QSO Parties, and for the 10-10 Sprint event, for both DX and US call areas, will be published in the 10-10 NEWS for each scoring category along with aggregate chapter scores.

6.2.9 Quiet Zone

During 10-10 QSO Parties, 10-10 members are requested to have the courtesy to observe a Quiet Zone between the frequencies of 28.490 and 28.510 MHz for non 10-10 Party uses. Remember that the 10-10 organization promotes courtesy on the 10-meter band. Please leave the above frequencies open for non 10-10 members to use.

6.2.10 QSO Party Rules

The following eleven (11) rules apply to ALL scheduled annual QSO CW and Phone Parties and the 10-10 Day Sprint Party sponsored by the 10-10 International Net.

1. Phone contacts MUST be made within the 10-meter phone band on SSB, AM, or FM. CW contacts MUST be made within the 10-meter band on CW or RTTY.
2. Repeater or satellite contacts are NOT allowed.
3. All Exchanges MUST include call sign, name, state or country and 10-10 #
4. A station may be counted ONLY once as a contact.
5. All contacts MUST take place during the designated Party hours.
6. All logs MUST be kept in UTC time.
7. A call sign or 10-10 number Dupe Sheet IS REQUIRED of all participants that submit 51 or more contacts. (See explanation above - Dupe Sheet).
8. ONLY a paid member belonging may make chapter assignments of scores to that chapter as a local member (See explanation above). NOTE: Chapter assignment of scores IS NOT allowed for the 10-10 Day Sprint.
9. Scoring: Points are earned for contacts with operators that include a valid 10-10 number exchange and for contacts that do not include a 10-10 number exchange.
 - (a) Two (2) points are awarded per contact WITH a 10-10 member.
 - (b) One (1) point is awarded per contact WITHOUT a 10-10 number exchange.
10. Disqualification criteria: Submitting illegible, improper logs or failing to comply with these Rules or their intent WILL result in disqualification. Logging errors exceeding 10 percent (%) will result in disqualification.
11. NO logging information will be returned.

6.2.11 Log Postmark Deadline Date

Each 10-10 QSO Party and 10-10 Day Sprint has a log submission Postmark Deadline Date. This date is published in the 10-10 NEWS and on the 10-10's web site. Any logs received with a postmark after the stated Postmark Deadline will be rejected. It is very strongly recommended that all logs be submitted as soon as possible after the close of the Party. It is also suggested that DX stations send their logs via Air Mail to assure timely receipt. Logs are to be mailed to the announced scoring individual(s) and/or chapters. Scorer's names and addresses for each QSO Party and 10-10 Day Sprint are published in the 10-10 NEWS and on the 10-10's web site.

6.2.12 10-10's Worldwide Web Site

Current information about 10-10 and upcoming 10-10 QSO Parties is always available on the 10-10 web site. In addition to the latest QSO Party dates and general information, there is a copy of a Cover Sheet and a sample Dupe Sheet that may be used for submittal of your QSO or 10-10 Day Sprint Party logs. The address is: <http://www.ten-ten.org>.

6.2.13 Additional Information and Clarification

Any additional information or clarifications that you may need regarding the rules or other information about 10-10 QSO Parties or the 10-10 Day Sprint may be requested through 10-10's Contest Manager.

CONTEST DATES

	CONTEST	POSTMARK
Winter Phone.....	Feb 2-3	Feb 18

Send logs for this contest to the
Gateway Chapter c/o Don Ward W0RTV,
4514 Ferrer Drive, St. Louis MO 63129-3741

Spring CW.....	May 4-5	May 20
Summer Phone.....	Aug 3-4	Aug 19
Day Sprint	Oct 10	Oct 28
Autumn CW.....	Oct 26-27	Nov 12

CONTEST RESULTS

SPRINT

OCT 10 2001

TOP TEN IN THE WORLD

CALL	QSOs	PTS
WB4FBS	505	887
N6OPR	496	887
KC7DH	448	780
N2EOC	357	649
N5MT	361	611
WG7Y	330	587
K0CIY	328	573
KM5IH	315	564
W5GVP	307	556
N9PQU	312	551

Area 1

CALL	QSOs	PTS
N1PDV	143	265
W1SIX	80	154
W1AMF	36	70

Area 2

CALL	QSOs	PTS
N2EOC	357	649
KC2HZW	59	110
WA2SUH	41	76
KB2MRI	38	76
N2LQQ	37	69
WB2DVE	17	33

Area 3

CALL	QSOs	PTS
W3VAL	188	333
K3TC	121	229
N3TGB	88	163
W3EHZ	73	135
WB3BMA	61	109
KA3VDN	56	107
W3PWG	53	98
KA3NMB	26	52
NA3H	24	43
KF3BN	20	40
KA3AVB	12	23
WB3ABH	9	18
W3QYL	7	13

Area 4

CALL	QSOs	PTS
WD4GEO	162	293
WA4EEZ	145	264
K9EHP	102	205
K4HAV	109	197
WA4HT	78	145
KC4RIY	56	100
K4RKN	41	81
WA4JA	40	72
N2EGO	31	58
KE4MVK	28	53
K4PZC	23	46
K4RL	20	39
W1FPF	16	32

Area 5

CALL	QSOs	PTS
WB4FBS	505	887
N5MT	361	611
KM5IH	315	564
W5GVP	307	556
KA5VVD	220	407
N5SCA	127	231
K5BKT	114	216
W15O	109	199
N5WYR	86	165
N5YTT	80	157
N5UMH	83	150
W5EIJ	67	128
WA5RNV	55	107
WB4AWM/5	54	104
KD5HIP	41	79
W5QVS	35	69
K5HWI	27	51
AB5NS	7	14

Area 6

CALL	QSOs	PTS
N6OPR	496	887
KC6QXU	299	523
KF6JOQ	232	422
K6VMN	218	405
KF6JG	166	299
AC6PX	117	222
WB6OJB	65	128
KE6RQQ	48	93
KG6BOV	47	91
WA6GSV	20	40
WA6VLS	16	32
K6EHA	14	28

Area 7

CALL	QSOs	PTS
KC7DH	448	780
WG7Y	330	587
W7MC	268	477
KJ7WK	249	448
N7PJP	230	431
KJ7RF	221	411
N7HDB	206	387
AB7IZ	198	378
W6YLJ	202	369
KA7CWS	115	212
KB7EQW	84	154
KN7AZ	40	80
N7YU	40	80
W7EY	39	76
W7ART	31	60
AC7GC	22	42
N7QHC	13	26
KD7AGL	13	25

Area 8

CALL	QSOs	PTS
KA8RIO	202	362
N0TW	175	328
KC8IYG	114	215
KB8UUZ	115	201
W8KNO	54	103
KC8RRO	38	74

Area 9

CALL	QSOs	PTS
N9PQU	312	551
KB0ON	151	291
KB9MJ	94	178
K9OB	75	143
KE9WZ	56	110
AK9Y	58	109
W9SFH	45	81

Area 10

CALL	QSOs	PTS
K0CIY	328	573
N0WY	154	279
KB0TFT	134	249
W0FNN	101	187
W0RTV	97	186
N0WM	79	156
WB0GGO	55	104
WB0RHR	50	96
N0CUN	25	50
KA0EIC	20	40
KB0QCR	9	18

Club

CALL	QSOs	PTS
WD0SFT	151	291

QRP

CALL	QSOs	PTS
N0ZNA	16	28

Canada

CALL	QSOs	PTS
VE7ACM	53	105
VE5KM	51	102
VE7AAP	36	71
VE5BCS	33	65

France

CALL	QSOs	PTS
F6FWD	15	30

Germany

CALL	QSOs	PTS
DK3KD	199	354
DJ2YE	5	9

Japan

CALL	QSOs	PTS
JA5GPJ	125	204

Korea

CALL	QSOs	PTS
DS5ACV	13	22

New Zealand

CALL	QSOs	PTS
ZL1AFU	53	104



FALL CW

OCT 27-28 2001

TOP TEN IN THE WORLD

CALL	QSOs	PTS
W3SE	215	371
KN4Y	139	223
DK3KD	126	218
W7MC	111	189
KQ6NN	98	181
N7RD	85	158
W8III	97	150
W5AB	96	149
AA1KS	76	137
W8JSM	77	134

Area 1

CALL	QSOs	PTS
AA1KS	76	137
W1DLC	47	82
KB1FKL	5	10

Area 2

CALL	QSOs	PTS
WB2LOS	16	30
K2HLC	6	12
KE2AG	4	8

Area 3

CALL	QSOs	PTS
K3TC	41	70
WA3NSR	10	18
WA3JXW	5	10

Area 4

CALL	QSOs	PTS
KN4Y	139	223
N4ERM	69	121
KJ4RV	49	90
W4SKW	41	76
K4BG	40	71
N4ZCG	40	69
N4EWG	38	68
K8XF	33	62
KM4FO	33	62
AA4PR	22	39
W4GTM	20	38
KL7NL	20	38
KU4W	18	36
KE4HW	15	29
KC4JAN	10	20
K4RL	7	14
W4TBO	6	12
N0PSH	1	2

Area 5

CALL	QSOs	PTS
W5AB	96	149
W5EIJ	70	122
WA5RNV	51	92
K5CC	25	50
WX5I	12	23

Area 6

CALL	QSOs	PTS
W3SE	215	371
KQ6NN	98	181
K6ME	64	117
K6EHA	33	66
K16OY	30	60
AC6YV	19	38
WA6BOB	18	35
WA6VLS	7	13

Area 7

CALL	QSOs	PTS
W7MC	111	189
N7RD	85	158
N7OU	70	126
AA7FK	57	107

Area 8

CALL	QSOs	PTS
W8III	97	150
W8JSM	77	134
KC8IYG	79	124
W8PJY	47	88
K8JE	2	43
W8LBQ	9	18
KJ8K	2	4

Area 9

CALL	QSOs	PTS
W9UW	14	27
AA9HL	11	22

Area 10

CALL	QSOs	PTS
N0WM	37	69
WA0OTO	33	63
W0RTV	21	39
WB0RHR	11	22

Canada

CALL	QSOs	PTS
VE5BCS	22	41

Germany

CALL	QSOs	PTS
DK3KD	126	218
DL5MC	47	94

New Zealand

CALL	QSOs	PTS
ZL1AFU	37	69
ZL1LE	13	26

Sweden

CALL	QSOs	PTS
SM5BTX	6	12

Club

CALL	QSOs	PTS
W6OI	25	50

Chapters

CALL	QSOs	PTS
C.A.T.T.	5	287
Borinage	1	218
Arizona	1	189
Gateway	2	108
Down Under	2	95
Houston	1	23
MO-KAN	1	22
Ft. McHenry	1	18

Net Manager NET NEWS

BILL MARPLE
AA7ZW #62075



As you all can see from the quarterly report, most of July and August were not very good as far as activity was concerned. I think we have Mother Nature to thank for the lack of propagation during those months. Then, along came September, and what a difference there was. Europe, the South Pacific, Canada, Alaska and South America were back. It was like old home week, hearing friends that we haven't heard from in months, let alone years. Thanks to all our net controllers for hanging on during the slow times. Now, with greatly improved conditions, they will definitely earn their pay.

There have been a few changes in the net control line

up. On Friday 28.380, Bill, KB9MJ #22313 has taken the reins, and on Saturday 28.380, Ed, KC4RIY # 58203 has jumped in. Unfortunately, due to health problems, Carl, W6MP # 67317 has had to step down as net control. We wish Carl a speedy recovery.

I have officially added several alternate net controllers to our roster. They will be able to assist in calling the nets the event one of our regular net controllers is on vacation, has an appointment or is under the weather. Welcome to Don, KB0ON #29849, John, KC2GCL #72143 and Bob, WA6GSV #7673. You never know when or where you might hear them.

Now, I have a request. I am currently looking for a volunteer to take the Saturday 28.800 net on a permanent basis. If you are interested in this opportunity of a lifetime, please let me know. The pay might not be the greatest, but the satisfaction that you will feel makes all the difference in the world. Let me know if you are interested, or if you need more information.

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

QUARTERLY NET REPORT

July / August / September 2001

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#
07-02	1	0	07-02	14	0	07-04	1	0	07-04	11	0	07-06	4	0	07-06	12	0
07-09	2	0	07-09	16	0	07-11	9	1	07-11	13	0	07-13	35	3	07-13	6	0
07-16	7	0	07-16	12	0	07-18	4	1	07-18	12	0	07-20	2	0	07-20	5	0
07-23	1	0	07-23	14	0	07-25	1	0	07-25	19	0	07-27	6	0	07-27	10	0
07-30	1	0	07-30	12	0	08-01	5	0	08-01	16	0	08-03	15	1	08-03	11	1
08-06	11	5	08-06	19	0	08-08	1	0	08-08	11	0	08-10	11	0	08-10	24	0
08-13	2	0	08-13	18	0	08-15	2	0	08-15	11	0	08-17	17	2	08-17	13	0
08-20	1	0	08-20	14	0	08-22	1	0	08-22	17	0	08-24	13	0	08-24	13	0
08-27	11	0	08-27	11	0	08-29	1	0	08-29	10	0	08-31	7	1	08-31	8	0
09-03	26	0	09-03	24	0	09-05	25	2	09-05	38	0	09-07	19	0	09-07	28	0
09-10	54	2	09-10	39	0	09-12	35	10	09-12	12	0	09-14	15	0	09-14	33	0
09-17	16	0	09-17	44	0	09-19	44	9	09-19	33	0	09-21	10	0	09-21	38	0
09-24	30	0	09-24	27	0	09-26	54	11	09-26	27	0	09-28	27	3	09-28	28	0
TUESDAY NETS						THURSDAY NETS						SATURDAY NETS					
07-03	7	1	07-03	9	0	07-05	28	3	07-05	11	0	07-07	19	2	07-07	8	1
07-10	5	0	07-10	19	0	07-12	1	0	07-12	26	0	07-14	11	0	07-14	20	0
07-17	8	1	07-17	12	0	07-19	12	0	07-19	17	0	07-21	20	1	07-21	3	0
07-24	5	1	07-24	10	0	07-26	12	3	07-26	19	1	07-28	9	0	07-28	11	0
07-31	6	1	07-31	11	0	08-02	17	0	08-02	3	0	08-04	20	1	08-04	3	0
08-07	5	1	08-07	14	0	08-09	11	1	08-09	11	1	08-11	25	0	08-11	1	0
08-14	7	2	08-14	14	0	08-16	16	0	08-16	7	0	08-18	27	0	08-18	11	0
08-21	2	0	08-21	15	0	08-23	24	2	08-23	17	1	08-25	22	1	08-25	6	0
08-28	4	0	08-28	14	0	08-30	51	9	08-30	25	1	09-01	10	0	09-01	4	0
09-04	21	2	09-04	23	0	09-06	50	8	09-06	40	0	09-08	8	1	09-08	14	0
09-11	21	3	09-11	20	1	09-13	62	12	09-13	37	0	09-15	19	1	09-15	33	1
09-18	23	3	09-18	26	1	09-20	48	6	09-20	40	0	09-22	25	3	09-22	34	1
09-25	26	1	09-25	28	1	09-27	61	14	09-27	27	0	09-29	22	0	09-29	31	1

TEN-TEN NET GUIDE

ZDAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ
DAILY	0300	0400	Chief Seattle	WA	28625
M-TH	0300	0400	Chief Seattle	WA	28430
M-F	1130	1230	Elmer J Fudd Net	PA	28340
SUN 1st	1900	2000	Mississippi Lighthouse	MS	28480
SUN		0010	Twenty-Eight (1st)	VK	28360
SUN		0830	Twenty-Eight (2nd)	VK	28560
SUN		0800	Mont Ventoux	F	28725
SUN	0830	0930	Borinage	ON	28785
SUN		1400	GB Ten/Laurel Mancunium	G	28860
SUN	1300	1400	Fort McHenry/Yodar Kritch	MD	28840
SUN	1300	1400	Arlington	VA	29200
SUN	1330	1430	Possum Trot	NC	28345
SUN	(1)		Possum Trot	NC	28150 CW
SUN		1530	Broken Heart	AL	28820
SUN		1530	Neanderthal Chapter	DL	28450
SUN		1600	Springbok	ZS	28385
SUN	1530	1630	Steel City	IL	28420
SUN		1700	Lake Geneva	F	28416
SUN	1600	1700	Sky Blue Waters	MN	28715
SUN	1600	1700	Twin Cities	MN	28325
SUN	1630	1730	Possum Trot	NC	28345
SUN	1700	1800	Portland 5ØØ	OR	28350
SUN		1830	Crater Lake	OR	28350
SUN	1830	1930	Twin Tiers/Chenango	NY	28805
SUN	(1)		Twin Tiers/Chenango	NY	28335
SUN	2030	2130	Air Capital	KS	28775
SUN	2100	2200	Possum Trot	NC	28150 CW
SUN	2200	2300	South Texas Lighthorse Brigade	TX	28345
S/M	2300	0001	Chesapeake Bay	MD	28435
S/M	2330	0030	Michiana	MI	28465
S/M	2330	0030	Minuteman	MA	28150 CW
MON		0100	Cradle of Liberty	PA	28695
MON		0130	Cradle of Liberty	PA	28425
MON		0200	Arizona Desert 1Ø-1Ø Net	AZ	28445
MON	0100	0200	Palmetto Chapter	SC	28450
MON	0100	0200	Milwaukee	WI	28365
MON	0130	0230	Bauxite	AR	28470
MON	0200	0300	Sky Blue Waters	MN	28715
MON	1400	1500	Oceans of the World	FL	28375
MON		1700	Berlin Bears	DL	28810
MON		2359	Santa Fe Trail	IN	28695
MON	2300	2359	Oceans of the World	FL	28375
MON	2300	2359	Trotters and Pacers	NJ	28755
M/T	2330	0030	Chief Killibuck	OH	28490
TUE		0030	Sky Blue Waters	MN	28355
TUE		0030	Twin Cities	MN	28325
TUE	0001	0100	Ragchewers Club (Suncoast)	FL	28400
TUE	0130	0230	City of Lights	IL	28720
TUE	0100	0200	City of Lights	IL	28280 CW
TUE	0100	0200	Colorado Centennial	CO	28340
TUE	0130	0230	Bauxite	AR	28470
TUE	0130	0230	City of Lights	IL	28720
TUE		0300	Concho Valley Chapter	TX	28360
TUE	0230	0330	City of Roses	OR	28450
TUE	0230	0330	Golden Bear	CA	28485
TUE	0300	0400	Bay Area	CA	28475
TUE	1600	1700	New Mexico Mud Ducks	NM	28325
TUE		2300	Peshtigo Fire	WI	28360
TUE	2200	2300	Trail Drivers	TX	28345
TUE		2330	Electric City	FL	28450
TUE	2300	2359	Fort McHenry/Yodar Kritch	MD	28370
TUE	2300	2359	Great Lakes	AZ	28480
T/W	2330	0030	Republic of Texas	TX	28560
WED		0030	Kansas Trails	MN	28385
WED		0100	Whitehouse	DC	28475
WED	0001	0100	Bluebonnet	TX	28450
WED		0100	Cincinnati Area Ten-Tenners	OH	28800
WED	0001	0100	Castle Craig	CT	28375
WED		0100	Steel City	IL	28420
WED	0030	0130	All American City	AL	28400
WED	0100	0200	Space Houston on Ten (SHOT)	TX	28488
WED	0200	0300	1Ø Bar X	TX	28440
WED	0200	0300	Portland 5ØØ	OR	28450
WED	0300	0400	Edmonton Area Ten-Tenners (EATT)	VE	28520
WED		1700	Lake Geneva	F	28185 CW
WED	1700	1800	Channel Islands	CA	28340

ZDAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ
WED	1730	1830	Roundtable Net (Suncoast)	FL	28427
WED	2300	2359	Michigan Robins	MI	28493
WED	2300	2359	Old Dominion	VA	28470
W/T	2330	0030	Minuteman	MA	28409
THU	0001	0100	Battle Road	MA	28390
THU	0001	0100	Egyptian Radio Club	IL	28420
THU	0001	0100	Oceans of the World	FL	28375
THU	0001	0100	Cypress	FL	28465
THU	0100	0200	Cowtown	TX	28710
THU	(1)		Cowtown	TX	28460
THU	0100	0200	Channel Islands	CA	28340
THU	0100	0200	Cradle of the Confederacy	AL	28350
THU	0100	0200	Gateway	MO	28650
THU	0100	0200	Milwaukee	WI	28365
THU	0100	0200	MO-KAN Tenners	MO	28440
THU	0230	0330	Windfarms	CA	28485
THU	1300	1400	GB Ten/Laurel Mancunium	G	28870
THU	1900	2000	Suncoast	FL	28433
THU	2200	2300	Branding Iron I & II	TX	28390
THU	2200	2300	Channel Islands	CA	28345
T/F	2330	0030	Flying Tigers	RI	28615
FRI	0001	0100	Crazy Eights	PA	28388.8
FRI	0001	0100	Delaware Valley	NJ	28360
FRI	0001	0100	Fort McHenry/Yodar Kritch	MD	28370
FRI	0001	0100	MAINE-iacs	ME	28402.5
FRI	0001	0100	Outlaws (1st)	TX	28444
FRI	0001	0100	Outlaws (2nd, 3rd, 4th)	TX	28644
FRI	0001	0100	Pine State	ME	28373
FRI	0001	0100	Suncoast	FL	28420
FRI	0200	0300	Appalachian Mountain	KY	28400
FRI	2130	2230	Down Under	ZL	28530
FRI	2200	2300	Samuel Clemens	FL	28333
SAT	0001	0100	Ragchewers Club (Suncoast)	FL	28400
SAT	0001	0100	Fort McHenry/Yodar Kritch	MD	28370
SAT	0001	0100	MAINE-iacs	ME	28402.5
SAT		1400	Electric City	FL	28845
SAT		1400	Waterkant	DL	28353
SAT	1330	1430	Trotters and Pacers	NJ	28755
SAT	1400	1500	Red River Valley	LA	28585
SAT	1400	1500	59/62	F	28780
SAT		1500	Borinage	ON	28392.5
SAT 1st & 3rd	1500		Cast Iron Tower	DL	28133 CW
SAT 2nd & 4th	1500		Cast Iron Tower	DL	28333
SAT	1500		MO-KAN Tenners	MO	28440
SAT	1500	1600	Doll Chasers	TX	28433
SAT	1500	1600	Republic of Texas	TX	28460
SAT	1510	1610	Louisiana Pelican 1Ø-1Ø Net	LA	28450
SAT		1700	Lake Geneva	F	28416
SAT	1600	1700	City of Roses	OR	28835
SAT	1630	1730	Boomtown	TX	28402
SAT		1730	Route-66	IL	28370
SAT		1730	Tango	LU	28650
SAT	1700	1800	Lilac City	WA	28390
SAT		1830	Crater Lake	OR	28760
SAT		1900	River City/Camellia Capital	CA	28317
SAT		2000	Restoration Project/Feline Friends	VE	28747
SAT		2200	Alii	HI	28730
SAT		2330	City of Melbourne	VK	28355
S/S	2330	0030	Electric City	FL	28450
MON-SAT	1800		1Ø-1Ø International (during propagation)		28800
MON-SAT	1800		1Ø-1Ø International		28380

(1) After Scheduled Net
(alt) Alternate Frequency
(*) New or change

All changes to the above time and/or frequency should be referred to Chapter Coordinator - K6RDK

The Net times of those chapters not affiliated with 1Ø-1Ø are given, but their accuracy cannot be assured as those do not report regularly to the Chapter Coordinator. If you desire accuracy of your Net please advise the Chapter Coordinator, K6RDK David P Smith, 1349 Vernon Terrace, San Mateo, CA 94402 or email: k6rdk@arri.net.



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, city, and state or 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 \$3 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

Family life membership consists of a primary life 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 life memberships run concurrently with that of the primary life member. Family life membership ends when the primary life member becomes an SK. Add \$75 for each additional family life. Only the primary life member will receive a copy of the 10-10 News.

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.

Catch us on the WEB

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

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 Stamps

Self-adhesive 10-10 stamps that can be used on QSL cards, correspondence and envelopes are available for \$5 per 144 stamps.

10-10 Static Clinger Logo

The 10-10 logo with a static cling backing that will cling to almost anything. This attractive 4" x 4" logo is a solid gold background with black printing. Use on notebooks, briefcase, car windows, etc. 2 for \$1 postpaid.

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.

10-10 Roster = Hard Copy

A limited print run in January, the hard copy roster is printed on both sides of 3-hole punched 8½ x 11 paper. The roster lists 10-10 number and call. SK's are identified. Cost is \$20 US Zip Codes or \$25 DX postpaid. Sold on a first come, first served basis. Advance orders are appreciated.

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, SK status, and will print address labels. Updated quarterly, it is available on a CD-ROM or three 3.5" 1.44MB disks. A CD-ROM will be sent, if not specified. Order from the Data Manager for \$10 US Zip Codes or \$13 DX postpaid.

Data Manager, 10-10 International Net, Inc.

PMB142

643 N. 98th Street

Omaha, NE 68114-2342

Awards and Certificate Guide

The official Awards and Certificate Guide of 10-10, along with complete chapter information, is available for \$6 US Zip Codes or \$8 DX postpaid. A monthly update is also available for \$10 per year US Zip Codes and \$12 DX postpaid. Send your order to:

Brad Kimble, KØDBK #55192

3855 66th St. E

Inver Grove Heights, MN 55076-2222

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

10-10 INTERNATIONAL NEWS

SECTION 1 - MEMBERSHIP APPLICATION AND CONTACT LOG

NOTE: If this membership application is being used for renewal purposes, please enter your 10-10 number here _____

Please print your Name _____ Call _____

Address _____ Year of Birth _____

City _____ State or Country _____

Postal/Zip Code _____ E-mail Address _____

NOTE: 10-10 NUMBER, CALL, NAME, ADDRESS, MEMBERSHIP STATUS AND E-MAIL ADDRESS IS MADE AVAILABLE TO ALL MEMBERS VIA A MEMBERSHIP ROSTER. ALL OTHER INFORMATION IS KEPT CONFIDENTIAL AND NOT DISCLOSED EXCEPT BY THE ORDER OF A LAWFUL COURT.

I certify that I meet the membership requirements* of 10-10 _____

* 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					

SECTION 2 - FEE SCHEDULE AND PAYMENT INFORMATION

10-10 FEE SCHEDULE	US Zip Codes	DX
New Members	<input type="checkbox"/> \$ 10	<input type="checkbox"/> \$ 13
Renewals (yearly)	<input type="checkbox"/> \$ 10	<input type="checkbox"/> \$ 13
Renewals - 3 year incentive	<input type="checkbox"/> \$ 25	<input type="checkbox"/> \$ 34
Family Membership (yearly)	<input type="checkbox"/> \$ 3	<input type="checkbox"/> \$ 3
Life Membership	<input type="checkbox"/> \$ 250	<input type="checkbox"/> \$ 325
Senior Life	<input type="checkbox"/> \$ 85	<input type="checkbox"/> \$ 100
Family Life Membership	<input type="checkbox"/> \$ 75	<input type="checkbox"/> \$ 75
Scholarship Foundation Donation	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Enter Total		

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

METHOD OF PAYMENT

- ☐ 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 (Please include all the numbers on your credit card) Please note that our credit card agent is RSVP of Omaha NE

- ☐ VISA

Good Through: -

Name of Cardholder _____ PHONE (required): _____

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

EVENT BOX

Please Check Event Box

WINTER PHONE ☐

SPRING CW ☐

SUMMER PHONE..... ☐

FALL CW ☐

10-10 SPRINT ☐

SCORING BOX

CONTACT TYPE	NO. OF CONTACTS	MULTIPLY BY	POINTS
WITH 10-10 Number		x 2	
WITHOUT 10-10 Number		x 1	
TOTAL CONTACTS		TOTAL POINTS	

ENTRY BOX

Please Check Entry Type

INDIVIDUAL..... ☐

CLUB ☐

QRP..... ☐

Chapter Assignment (if any)

(not valid for 10-10 Day Sprint)

Call Area or ARRL Country you
operated this QSO Party from

CHECK LIST

You must have the following items enclosed in your QSO Party envelope to be an acceptable log submittal.

- ✓ **Proof of current Membership** - *Either a photocopy of your membership card or copy of the address label from the latest issue of the 10-10 News*
- ✓ **Log in UTC Date/Time**
- ✓ **Dupe Sheet(s)** *if your log contains 50 or more contacts*
- ✓ **Cover Sheet** – *Pertinent information in the Event and Entry boxes must be entered, and all blanks in the Scoring Box must be filled.*

**For rules, event dates and mailing information see
QSO Party Contest Rules and Calendar on page 26**

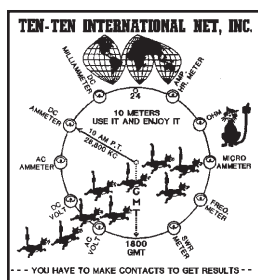
**10-10 International Net, Inc.
PMB 142
643 N. 98th Street
Omaha, NE 68114-2342**

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**



**JANUARY 2002
(WINTER)**