

10-10 INTERNATIONAL NEWS

Volume 46 Issue 2

\$1.50

April 2008 (Spring)

Breaking NEWS

Editor/QSO Party Manager Resigning

Steve Rasmussen, NOWY #68684 will no longer be able to keep up his Editor/QSO Party manager duties. This is his last issue of the NEWS and a general request for replacement has been sent out. See his article for more.

US Postal Rates to increase May 12th

Beginning May 12th postal rates in the United States are scheduled to increase for most mail classes and services. According to existing law the Post Office may adjust the price of postal services each May for inflation as measured by the Consumer Price Index. The Post Office must give notice of at least 90 days prior to any increases. Summarized below are some of the increases that will affect you.

First Class (1 oz)	\$.42
Each additional ounce (unchanged)	.17
Postcard	.27
Large Envelope (1 oz)	.83
Each additional ounce (unchanged)	.17
International Reply Coupon (IRC)	2.10
Letter/Postcard Canada Mexico (1 oz)	.72
Letter/Postcard rest of world (1 oz)	.94

Forever stamps purchased prior to May 12th cost \$.41 and can be used at any time. May 12th and after the same stamp will cost \$.42.

Letters are defined by the following measurements: length between 5 and 11 1/2 inches, height between 3 1/2 and 6 1/8 inches and thickness between .007 and 1/4 inches. Anything exceeding any one of these measurements is defined as a large envelope or flat. Large envelopes also have an upper limit. If any one of those limits are exceeded the mail piece becomes a parcel.

The cost to mail the 10-10 NEWS domestically, (US zip codes) can not be accurately given as it is mailed pre-sorted and the rate depends on not only on the weight but also the number of mail pieces per zip code. It is between \$.72 and \$.78. The 10-10 NEWS mailed to foreign countries must be mailed inside a 9X12 envelope and the cost varies between the nine different foreign postal zones, for example it cost \$1.46 to mail to Canada and \$2.80 to mail to Pacific Rim countries (Australia, New Zealand, China, Japan).

New Secretary Appointed

10-10 Secretary, for Jon Georing, N7AZ, #43483 resigned from the 10-10 Board effective March 17, 2007. President Gerry Gross nominated and the Board approved the appointment of Sandy Glenn, W7SSG, #74633, as Secretary for the remaining term. Sandy is a new relatively new ham and 10-10 member, but she is part of a total ham and 10-10 family. Husband Stan, W7STN, #73627 and daughter Veronica, W7VMG #74634 are all very active in the SE part of the Washington State. 10-10 would like to thank Sandy for accepting this appointment and also thank Jon for his past service on behalf of 10-10.

2008 Board Meeting

10-10's annual Board meeting will be May 31st in San Antonio, Texas in the Board Room at the La Quinta Inn and Suites Medical Center, 4431 Horizon Hill Blvd, San Antonio, Texas. 10-10 Board meetings are open to all and visitors are encouraged to attend. Those that do attend are invited to participate and give their input on the various agenda items. If you have any issues, suggestion or items that you would like the Board to review, please contact the President and/or any member of the Board. All input is appreciated. The meeting agenda will be posted on the 10-10 web prior to May 1st

10-10 Membership Statistics as of Feb 29, 2008

When attending ham conventions, hamfest, or even club meetings, I am often asked what is 10-10's membership? The answer can be misleading and confusing depending on how the question is answered. This highest number issued as of February 29, 2008 was 74941 to KD7HVV, but that doesn't mean our membership is 74941.

Membership totals are:

Total Regular Members	56,732
Family Members	692
Club Members	448
Life Members	1,191
Silent Keys	11,597
Inactive members	4,228
Active Members	4,878

An Inactive member is one that is no longer an active ham but can not be confirmed as a Silent Key. An Active member is one whose dues are current as of the report date.

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:

EDITOR 10-10 News
Steve Rasmussen, NØWY #68684
312 N 6th Street, Plattsmouth, NE 68048-1302
Email: steve_n0wy@windstream.net



10-10 CHAPTER ACTIVITY REPORTS should be sent to the Chapter Coordinator
ADDRESS CHANGES: All members should send address changes to the Data Manager

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

DEADLINE FOR NEXT ISSUE: 1 Jun 2008



Member
AMATEUR RADIO NEWS SERVICE

OFFICERS, DIRECTORS AND NET OFFICIALS

Award Managers listed on page 24 - Membership Information listed on pages 30-31

President

Gerry Gross, WA6POZ #21274 (2010)
16046 Orchard Cir., Omaha, NE 68135-1068
(402) 895-7367wa6poz@arri.net

Past President

Chuck Imsande, W6YLJ #19636 (2010)
20815 Desert Sands Dr., Sun City West, AZ 85375-5443
(623) 214-8788chuck@w6ylj.com

Vice President

Larry Berger, WA2SUH #00407 (2008)
9 Nancy Blvd., Merrick, NY 11566-3119
(516) 223-4611wa2suh@aol.com

Secretary

Sandy Glenn, W7SSG #74633 (2010)
252 Circle Dr., Underwood, WA 98651-9029
(509) 493-4169ssglenn52@hotmail.com

Treasurer

Keith Schlottman, KR7RK #63324
9581 E. Calle Cascada, Tucson, AZ 85715-5819
(520) 290-5883keith@schlottmanpcpa.com

Directors

Robert L Farrow, N6OPR #45715 (2008)
14814 Gagely Dr, La Mirada, CA 90638-2116
(562) 944-9040N6OPR@msn.com

Ken Harmon, K1IEQ #31363 (2010)
471 Turnpike Rd, Mason, NH 03048-4722
(603) 878-1887K1IEQ@juno.com

Rob Ireland, VE9KM #69811 (2008)
31 St James Street, Sackville, NB E4L 4L7 Canada
(506) 536-1038rireland@mta.ca

Leslie Johnson, WA4EEZ #15675 (2008)
6601 Bougainville Ave S, St Petersburg, FL 33707-2213
(727) 347-7422wa4eez@arri.net

Brad Kimble, KØDBK #55192 (2010)
3855 66th St. E, Inver Grove Hgts, MN 55076-2222
(651) 450-1173k0dbk@comcast.net

Jack Moore, K5CC #50708 (2008)
371 Ridge Creek Lane, Bulverde, TX 78163-2871
(830) 885-2194k5cc@gvtc.com

Steve Rasmussen, NØWY #68684 (2010)
312 N. 6th Street, Plattsmouth, NE 68048-1302
(402) 296-4434steve_n0wy@windstream.net

Cliff Taylor, K5FBS #48461 (2010)
22707 Red Mountain Dr., Elmendorf, TX 78112-6034
(210) 621-2652k5fbs@yahoo.com

Certificate Manager

Ruth Bartholomew, NØKDB #48715
PO Box 766, Sullivan, MO 63080-0766 (temporary)
(573) 468-2898 or (314) 479-5474n0kdb@fidnet.com

Chapter Coordinator

Cliff Taylor, K5FBS #48461
22707 Red Mountain Dr., Elmendorf, TX 78112-6034
(210) 621-2652k5fbs@yahoo.com

Data Manager / Supplies

Data Manager, 10-10 International Net., Inc.
PMB 142, 643 N 98th Street, Omaha, NE 68114-2342
(402) 895-7367wa6poz@arri.net

Editor 10-10 International News

Steve Rasmussen, NØWY #68684
312 N 6th Street, Plattsmouth, NE 68048-1302
(402) 296-4434n0wy@alltel.net

General Counsel

Dave Splitt, KE3VV #69831
6111 Utah Avenue NW, Washington, DC 20015-2461
.....davidsplitt@erols.com

Net Manager

Robert L Farrow, N6OPR #45715
14814 Gagely Dr, La Mirada, CA 90638-2116
(562) 944-9040N6OPR@msn.com

QSL Bureau Manager

Bob Peschka K7QXG #05956
592 SE Cypress Ave., Dallas, OR 97338-2932
(503) 831-1455k7qyg@dsl-only.net

QSO Party Manager

Steve Rasmussen, NØWY #68684
312 N 6th Street, Plattsmouth, NE 68048-1302
(402) 296-4434n0wy@alltel.net

Scholarship Manager

Larry Berger, WA2SUH #00407
9 Nancy Blvd., Merrick, NY 11566-3119
(516) 223-4611wa2suh@aol.com

SK Manager

Ruth Bartholomew, NØKDB #48715
PO Box 766, Sullivan, MO 63080-0766 (temporary)
(573) 468-2898 or (314) 479-5474n0kdb@fidnet.com

W6OI Station Trustee

Jack Moore, K5CC #50708
371 Ridge Creek Lane, Bulverde, TX 78163
(830) 885-2194k5cc@arri.net

Webmaster

Darwin Piatt, W9HZC #73090
10532 Larimore Circle, Omaha, NE 68134
(402) 991-0412dw-piatt@cox.net



Steve Rasmussen NØWY #68684
Editor 10-10 NEWS



As you can see from my picture, my looks have changed a bit. Several of you, but not all, are aware that I was being treated for a very minor form of small cell Leukemia. This was not life threatening and prognosis was very good.

The first week of January found me back in the hospital on death's door, literally! The Leukemia had apparently undergone something called a Richter transformation and is now a fast growing large cell Lymphoma. I have spent more than 80 of the last 90 days in the hospital undergoing chemo and have more to go. I lost my hair in February and was told it made me look younger (guess it's the lack of gray!). Yes, I have good and bad days and today is very good - I am going to finish the NEWS!

It could not have been done without the help of our President Gerry Gross, who spent so much time with me, helping me to do this issue layout and finish out the QSO party scores also listed in his issue.

I have been told in no uncertain terms by my doctors to relinquish certain personal duties that are critical to any organizations I belong to. There is no "magic pill" to cure me and I have taken the attitude that if I wake up in the morning, no matter how bad I feel, it is going to be a great day! Therefor I am asking for a volunteer to take over my Editor duties and also a volunteer to take over the QSO Party Manager duties. On page 8 I have listed what we are looking for in volunteers and whom to contact if you are interested. I am aware some activity has been going on there, but it was never published for the whole organization, so if you are interested, please respond as soon as you can to the responsible officer. Decisions will be made very shortly.

I want to thank all of you that I have worked with over the last several years and hope that I will have a least a little more time to make many more acquaintances.

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and much more

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Monday (28.380)	Dick, K6PZE #01341
Monday (28.800).....	Doc, WB6OJB #70675
Tuesday (28.380.....	Brian, KC7OC #67668
Tuesday (28.800)	Bob, K4QHH #26040
Wednesday (28.380).....	Chris, N7PVL #58018
Wednesday (28.800).....	Louise, N6ELK #36654
Thursday (28.380).....	Bob, N6OPR #45715
Thursday (28.800)	Robert, KQ4PK #63201
Friday (28.380)	Bill, KB9MJ #22313
Friday (28.800)	Tom, KA9EKG #70731
Saturday (28.380)	Bob, W2BOC #71096
Saturday (28.800)	Earl, KS4XI #70679
Sunday.....	"NEVER ON SUNDAY"

Alternate Net Controller	John, NS2M #72143
Alternate Net Controller	Dan, KC8IM #31959
Alternate Net Controller	Steve, KB3KTR #74187
Alternate Net Controller	Ann, KE6OIO #68997
Alternate Net Controller	Earl, KA6RFB #59088



from the office of the
PRESIDENT
10-10
International

Gerry Gross
WA6POZ #21274

In the last issue of the 10-10 NEWS I mentioned how I was going to spend the winter months going through my many logs collecting data for various 10-10 awards. All was going well and through December I had gone through logs prior to 1990. That all changed when during the evening of January 4th I received a phone call from Steve Rasmussen, NOWY #68684, 10-10 Director, QSO Party Manager and 10-10 Editor. Steve was in the hospital not having been able to eat or sleep for the previous few days. As many of you know Steve has had a non-aggressive form of leukemia, and several years ago spent almost two months in the hospital. Visiting with him a few days later, Steve said that the doctors stated that he had an ulcer and after a few days, he went home. Steve's home stay lasted a day, the pain became unbearable and he went back into the hospital. Later that week he learned that the cancer had mutated and had become much more aggressive.

Steve has had several chemo treatments and is doing much better, but remains in the hospital regaining his strength so he can return home. When possible, I have visited Steve at least twice a week. During these visits Steve and I discussed his many roles within 10-10 and the Omaha area ham community. Steve is an active member in many of the local amateur radio clubs and also acts as the VE liaison for the Omaha area. Steve wants to remain active in 10-10 but decided that he needs to curtail some of his activities. Therefore, 10-10 is searching for a new 10-10 NEWS Editor and QSO Party Manager.

Steve and I have become close friends. I first met Steve back in 1995 when I visited the Plattsmouth Amateur Radio Club to give a

presentation on the Nebraska QSO Party and 10-10. Steve was the Editor of the Plattsmouth Communicator. Steve became a member of 10-10 in 1997 and when Linda Barnes, KQ4V, #43299 decided to retire as 10-10 NEWS Editor at the end of 1998, I asked if Steve was interested and President Tom Henderson, K4CIH, #33233 made the appointment. The rest is history, as Steve went on to become a 10-10 Director, QSO Party Manager and an individual who never said no to any tasks.

I helped Steve score this year's Winter QSO Party. Steve had automated part of the scoring process, requesting that if computer logs were submitted that they should be in a standard format. However, the majority of the logs submitted, even those submitted via email, were not in the format desired and ended up being scored as if they were manually created. Also, many were completed incorrectly; missing a cover sheet, missing information on the cover sheet, scored incorrectly, or not even scored. During our discussions, the conclusion was that it best to just revert back to paper logs. It makes the scoring process consistent, following the same path for scoring each log submitted. 10-10 QSO Parties are for fun! It is not our aim to disqualify entries that do not meet a set standard; it is just not in the best interest of 10-10.

In reviewing the 10-10 NEWS over the past thirty plus years, we have progressed from mimeographed, cut and paste, various word processors, Publisher, to Quark Xpress, a full featured publishing tool. Added also, was the availability to electronically distribute the 10-10 NEWS in the PDF format. While the 10-10 NEWS had a color banner prior to Steve tenure endeavors, he added color to eight pages.

This year 10-10 will be doing some limited advertising in QST, CQ, WorldRadio and possibly other ham radio magazines around the world, letting others know that 10-10 exists and inviting membership. Steve was instrumental in designing the ads for this campaign.

Steve's efforts are not alone. Every Officer, Director, Awards Manager, Net Controls, and others volunteer their time and effort to make 10-10 the organization it is. I have asked that all Directors have a designated second so that all programs can continue in times of emergency. A back up for the 10-10 NEWS Editor and Data Manager have been discussed before but always left in limbo because of the specific responsibilities of these positions. Steve's condition is a wake up call to finalize those plans.

Steve with Director Rob Ireland, VE9KM, #69811 will coordinate replacing the QSO Party Manager. Steve and I will work together to find a qualifying individual for the 10-10 NEWS Editor. I will work with the Board determining the future of the Data Manager position. Elsewhere Steve is defining the requirements for the QSO Party Manager and 10-10 NEWS Editor. I can only ask that if you are qualified and/or interested in any of these positions, please get in touch with Steve or me. The notice about the QSO Party Manager and Editor positions has been on the 10-10 web site since mid January. There have been several inquiries to date. But at this time both positions still remain open.

I spent the first week of February in Florida. I left Omaha on a day that was raining ice and after spending 12 hours in various airports and on planes landed in Orlando where it was a balmy 70. After spending a few days with my daughter and her family in Tallahassee, I was back in Orlando for the Orlando HamCation. There assisted by Director Leslie Johnson, WA4EEZ, #15675, Cypress Chapter Head Charles Hennessey, AF4QT, #74651 and Cypress Certificate Manager, Floyd Larck, KK3Q, #26039 we manned the 10-10 booth maintaining a log of members and non-members who stopped by and answering questions, renewing memberships and selling 10-10 pins.

Did you know that 10-10 has an incoming QSL bureau? QSL Bureau Manager, Bob Peschka

K7QXG #05956, tells me that any 10-10 member, US or foreign, can use the bureau to exchange QSL cards for contacts made on any amateur band. The 10-10 member must have #10 Self-Addressed envelopes on file. Any amateur, 10-10 member or not, can submit cards to the bureau. When submitting cards to the 10-10 QSL Bureau, you must have them sorted in numerical order if there are more than 20 cards, i.e., W1ZZZ, K3RRR, WA6YYY, AB7TT, ZP9GG, etc. There is no need to sort by call prefix. However, a sort by suffix is helpful. Remember, sort by the number in the call, not the 10-10 number. To see who has cards or envelopes at the bureau or for the complete rules regarding the bureau, visit K7QXG's web site at www.dsl-only.net/~k7qyg/list.html.

The first 'Open Season Contest' will be held starting at 0000Z June 7, 2008 through 2359Z June 8, 2008. The purpose of this contest is to stimulate PSK activity on 10 meters. This operating event is a joint PSK contest hosted by 10-10 and the 700 and EPC digital groups. It is not necessary to be a member of any group to participate. For complete rules, exchange, scoring and where to send logs, visit the 10-10 web site www.ten-ten.org or www.nwla.com/tenx/oseason.html. For more information on the other two PSK groups please visit their web sites, the 700 club site is www.podxs.com/html/070_club.html and the EPC site is www.eu.srars.org. Mel Sojka, KD5DE, 33513, deserves the credit for carrying the ball for this event seeing it from inception through implementation.

This years 10-10 Board meeting will be held in San Antonio, Texas on May 31st. On June 1st you will find most of the Board at the Hill Country Picnic at the home of Director Jack Moore K5CC #50708. If you live in or will be in the area, give Jack a call and stop by. For Jack's address and phone number visit the 10-10 Web at www.ten-ten.org under 10-10 Officers.

ELECTION 2008 - CALL FOR NOMINATIONS

As you may be aware, 10-10 International holds an election every two years. In the year 2008 we will be electing the Vice President and four (4) members to the Board of Directors, whose terms will commence January 2009. 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, 2008.

The Nominating Committee shall develop a slate of eligible candidates by June 1, 2008. 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, 2008. 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 Ken Harmon - K1IEQ - Nominations Committee Chairman, 471 Old Turnpike Rd. Mason, NH 03048 or via e-mail to <k1ieq@juno.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 are 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, 2008.

Biographical Sketch: All candidates, whether selected by the Nominating Committee or by petition, must submit a biographical information form and biographical sketch. The Nominating Committee will use this information in the process of selecting a slate of candidates. Those who petition for nomination must submit 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 2008 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, 2008, 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 2008 and April 2008 editions of the 10-10 NEWS.**
- ◆ **1 May 2008 - Candidates must have names and bios to Nominating Committee.**
- ◆ **1 Jun 2008 - Nominating Committee will develop slate of candidates and notify members who applied but were not selected.**
- ◆ **1 Jul 2008 - Deadline for Petitions for Candidacy to Secretary.**
- ◆ **Ballots and all Candidates' bios to be printed in July 2008 edition of the 10-10 NEWS.**
- ◆ **1 Oct 2008 - "In Hand" Deadline for return of Ballots.**
- ◆ **1 Nov 2008 - Election Results posted on 10-10 Web Site.**
- ◆ **1 Jan 2009 - Newly elected officers take office.**
- ◆ **Election results posted in January 2009 edition of the NEWS**

Hamvention, Ham-Com, and other Hamfests

In May 10-10 will again be in Dayton Ohio for HamVention, May 16th through 18th. Look for us in a booth on the hardwood floors just east of the forum rooms. Stop by, chat with the Officers or members present, sign the log, renew your membership and buy the 2008 10-10 pin. 10-10 will also be hosting a forum. Check the schedule for the time and place.

In June, 10-10 will be at Ham-Com in Plano Texas on June 13th and 14th. The exact location is not known as is the time and place for a forum. Again, stop by, chat with the Officers or members present, sign the log, renew your membership and buy the 2008 10-10 pin.

In August, 10-10 is working on being present at the New England ARRL Division Convention in Boxboro, MA on August 22nd through 24th, and in September, 10-10 will be at the ARRL Southwestern Division Convention, September 12th through 14th in Mesa, Arizona. More information on these two events will be in the July 10-10 NEWS.

If you would like help in the 10-10 booth, meeting and greeting members and prospective members, please send an email to the President so arrangements and scheduling can be accommodated.

Results of the 2007 10-10 Anniversary Party

LOGS TURNED IN FOR THE 2007 10-10 ANNIVERSARY PARTY

Call 10-10# Ctx

01 WN4AMO 73825 . 56

02 N5MT . . . 24949 . 32

03 K5FBS . . 48461 . 31

04 N5DAS . . 35877 . 30

05 WA6POZ . 21274 . 23

06 K5EWJ . . 08356 . 19

07 NOWY . . . 68684 . 18

08 WA4EEZ . 15675 . 15

09 N1API . . . 25468 . 12

VE3ZLN . 74007 . 12

10 KA9PCU . 73562 . 10

N3TGB . . 68129 . 10

=====

AA4TB . . . 74550 . 9

KN4Y . . . 17757 . 9

K3TUJ . . . 07561 . 8

W6JNU . . . 40127 . 6

AD5IF . . . 73372 . 5

KD5HIP . . . 71476 . 4

W4DDR . . . 44248 . 3

WHO WAS CONTACTED IN THE 2007 10-10 ANNIVERSARY PARTY

Call 10-10# . Ctx

N5XZ 04530 . 13

N6OPR 45715 . 13

N0FCC 74530 . 13

N9AC 61453 . 11

W9ROG 67454 . 11

NE0RC 74520 . 9

WOWFM 74528 . 9

K3MIJ 74594 . 9

KB0ZZT 74599 . 9

DL0GER 74501 . 8

WB0ZEN 74526 . 8

K4JPC 74584 . 8

W8PJY 14574 . 6

KF4HAY 68450 . 6

K7NEJ 74589 . 6

NG8U 14571 . 5

KB8CMW 55454 . 5

N4VA 04560 . 4

KB8DBJ 45496 . 4

N5QK 69455 . 4

N7YHC 74457 . 4

WD4JB 74527 . 4

N9BUB 74562 . 4

K8CMP 74568 . 4

KE5NDN 74588 . 4

AA8XX 04568 . 3

K3BFQ 11456 . 3

W9CC 32459 . 3

CO2HQ 34458 . 3

N4ERM 34524 . 3

W1RPG 45128 . 3

W3ADC 74453 . 3

AA4TB 74550 . 3

AD5ZU 74554 . 3

K5ADA 74567 . 3

AF4IA 74583 . 3

KI4HPX 74590 . 3

WA9QEX 32458 . 2

K5UNY 39245 . 2

WB2YAD 45109 . 2

AA4RV 45345 . 2

WD8LYB 45452 . 2

TI2JJP 45800 . 2

K5POP 67845 . 2

WA6LTH 70045 . 2

KZ5P 74445 . 2

N7RUE 74450 . 2

VE3AWW 74500 . 2

VE3SRA 74503 . 2

W5CPP 74534 . 2

AB9MS 74561 . 2

KF6UVE 74575 . 2

W4MAC 74586 . 2

KC4YBO 74593 . 2

K1WVO 74597 . 2

K5QEA 11745 . 1

W3UMX 13145 . 1

WD8AFK 14544 . 1

KB4FJ 16459 . 1

N5PR 20452 . 1

K7INA 21455 . 1

W3TB 24525 . 1

KA4LWW 34546 . 1

KG6B 39045 . 1

W0UO 45023 . 1

K1XJ 45252 . 1

N4JRG 45300 . 1

KB4PYP 45303 . 1

WD4CBZ 45328 . 1

N4XLZ 45369 . 1

K4BAI 45389 . 1

N8IRC 45407 . 1

W9SW 45580 . 1

WN9GUC 45588 . 1

DF9JS 45863 . 1

KB4BYZ 46453 . 1

AG4SF 48459 . 1

WG0I 51045 . 1

N3LOS 53452 . 1

N3KAE 60545 . 1

N3JWN 61945 . 1

N8OO 62245 . 1

N3QFS 64585 . 1

N7TV 66845 . 1

KE4WXC 68459 . 1

WA6ES 69045 . 1

KE4WKK 69450 . 1

WX3B 70445 . 1

K2ULF 73345 . 1

WA4WWQ 74245 . 1

K9TNN 74455 . 1

DB9DF 74506 . 1

DG3LAR 74507 . 1

DL1LBS 74508 . 1

DG4BAQ 74509 . 1

DL9HCO 74510 . 1

DL9HAR 74511 . 1

DG1LX 74512 . 1

DL6YAU 74513 . 1

DL0MFM 74514 . 1

DK4VO 74515 . 1

DO7ESW 74516 . 1

DK8LQ 74517 . 1

WZ0O 74521 . 1

AD5WB 74524 . 1

K3ZT 74535 . 1

W7TAX 74551 . 1

K8NEE 74557 . 1

K4KV 74558 . 1

W7JY 74569 . 1

KY6B 74578 . 1

K0DRA 74592 . 1

KI4SQL 74745 . 1

N8LTD 74845 . 1

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. 59: Some Basic Concepts for Directional Antennas

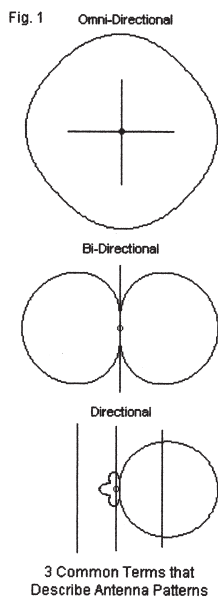
In the course of our quarterly discussions of antennas, we have used many terms as a matter of course. Perhaps we should pause to be sure that we are all using the same terms in the same way. Nothing helps understanding more than a firm grasp of what the basic words mean. In this episode, we shall look at ideas and concepts that underlie the way we talk about directional antennas and their radiation patterns.

1. *What do we mean when we say that an antenna is directional?* We generally describe the directionality of an antenna's radiation pattern using one of 3 words, shown in **Fig. 1**.

If an antenna radiates equally well in all directions--or closely approximates equal radiation strength--then we say that the antenna is *omni-directional*. The turnstile antenna at the top provides a squared-off or nearly perfect circle, so it qualifies. Almost all verticals used alone or collinearly (end-to-end) are omni-directional. In contrast, a horizontal dipole provides a 2-way or *bi-directional pattern*. There are many bi-directional wire arrays with gain, such as the lazy-H or the 8JK flattop.

If an antenna, like the Yagi at the bottom of **Fig. 1**, directs a major part of its radiation one way, with only smaller amounts of radiation in other directions, then we have a *directional* antenna. Note that the Yagi has some rearward radiation (if we take the large lobe as being forward), but it is small compared to the main radiation region. There is no sharp line between these divisions. We can have some differences in the lobe strength of bi-directional antennas and directional antennas sometimes have fairly large rearward lobes. So the categories are for general cataloging and not for precise specification.

Not all antennas are directional (by category), but all antennas have *directivity*. Let's place an antenna in free space and measure (or calculate) the power density in every direction around the sphere. Next, take the average of all the readings.



We obtain the average power density. Next, measure the power density in the direction where it is strongest. The ratio of the two numbers is the directivity of the antenna. Only an isotropic radiator has a directivity of 1, since by definition it radiates equally well in all directions in free space.

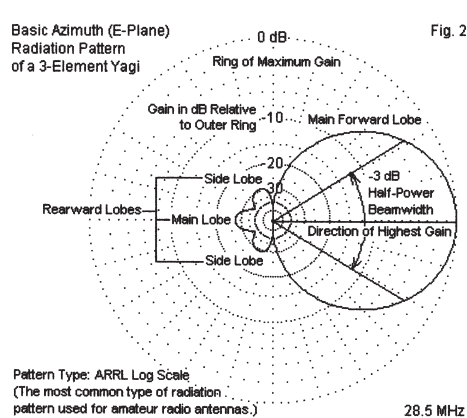
The *gain* of an antenna is the directivity multiplied by the *power efficiency* of the antenna. Power efficiency is simply the ratio of the radiated power to the power supplied to the antenna. For example, if we make the antennas in **Fig. 1** out of copper or aluminum, we shall suffer a small loss of power in the resistivity of the metals. If we use various loading schemes to shorten our antenna elements, then the power efficiency goes down further.

For antennas above real ground, we can also calculate a value for the *radiation efficiency*. Radiation efficiency takes into account not only losses in the antenna, but also the losses from the ground. Some radiated energy results from the energy directed toward the ground but reflected upward again. However, the ground "eats" or absorbs some energy, and so the antenna in its situation becomes less efficient overall. Horizontal antennas over $\frac{1}{2} \lambda$ above ground achieve radiation efficiencies well above 70%. However, ground-mounted vertical antennas may drop below 30%.

2. *How do we represent various aspects of an antenna's radiation pattern?* One of the common ways to show the most important features of an antenna's radiation is the radiation pattern or plot. Directional patterns have resulted in an evolving language to describe the pattern parts. **Fig. 2** shows some of the pattern parts for a directional Yagi antenna.

The *direction of highest gain* defines what is forward, namely, the *main forward lobe*. On each side of the direction of highest gain there are points at which the power level is half the maximum value. The angular distance in degrees between these points defines the *half-power* or *-3-dB beamwidth*.

Note that the pattern shown uses some conventions. First, it is *normalized*. A normalized pattern brings the direction of maximum gain to the outer ring of the polar plot. We take all other readings as amounts below the maximum gain. Second, the pattern expresses gain in dB rather than as a simple power ratio. The power in dB is 10 times the common log of the ratio of the measured or calculated maximum power to some standard power. The most common (but not the only) power standard is the power radiated by an isotropic radiator. (Contrary to some who call the isotropic radiator a 'mere' theoretical concept, we can construct antennas whose radiation patterns are very close to isotropic.) Hence, we generally show power as values in dBi or decibels over an isotropic source.



(The dBd standard, or decibels over a dipole, is passing out of vogue, although some antenna makers still use it. The dBd standard is neither more nor less theoretic than the isotropic standard, since by definition, the gain value in dBd is 2.15 less than the gain value in dBi.) Third, the scale used to display is the *ARRL scale*, which records relative gain values logarithmically so that all pattern are uniform. A *linear scale* requires one to select maximum and minimum values, and the choice of minimum gain value can radically change the appearance of a pattern.

3. *What is a front-to-back ratio?* The rearward pattern for the Yagi in **Fig. 2** is more complex than the forward pattern. It has 3 lobes. The main lobe is the strongest one and happens to be centered. As well, we find two smaller lobes, one on each side of the main lobe. One term that we often hear and read in connection with rearward performance is the *front-to-back ratio*. This term raises a forest of ideas and terms, almost none of which have uniform use in the antenna field. **Fig. 3** illustrates part of the reason.

We can define the front-to-back ratio as the power ratio--in dB--between the maximum forward gain and some selected rearward gain value. One common comparator is the rearward gain directly opposite the direction of maximum forward gain. This gives us the *180° front-to-back ratio*. We might easily select the strongest radiation in the rear quadrants, regardless of exact direction. In the top part of the figure, the 180° value and the new value are the same. However, in the middle part of the sketch, the 180° figure is very high due to the direct rear null. However, the angling lobes are stronger, so the new figure is lower. In the lowest part of **Fig. 3**, the 180° direction and the direction of the strongest rearward radiation appear on the same general lobe structure, but in somewhat different directions. (Note that in the lowest figure, the forward lobe has begun to develop sidelobes, a common feature of the forward pattern structure when the boom length is over 1 λ .)

I have so far not named the new figure. Many sources call the new figure the *worst-case front-to-back ratio*. In other circles, such as *The ARRL Antenna Book*, the named applied to this figure is the *front-to-rear ratio*. However, you may note that all 3 parts of **Fig. 3** have a semi-circular arrow. For some

purposes, antenna engineers take rearward readings at regular intervals and then take the average of these readings. When we compare the average of the rearward gain values with the maximum forward gain we obtain a third ratio, one that many call the *front-to-rear ratio*. A few call this value the *averaged front-to-back or front-to-rear ratio*.

One reason for mentioning this terminological morass is that you may find any of these values under any of their possible names in the specification literature for commercially made antennas, especially Yagis. So until some industry standard appears, you will have to decipher the claimed specifications of virtually any directional antenna that you contemplate buying.

4. *What is the meaning of E-plane and H-plane, and how do these planes differ from azimuth and elevation?* Before we leave the subject of antenna radiation patterns and values, let's add one more layer to our pile of terms. In free space, we cannot validly use terms like up and down or horizontal and vertical. Wherever possible, we use the terms *E-plane* and *H-plane* to distinguish major aspects of a radiation pattern. For linearly polarized antennas, like Yagis, the E-plane is the plane that parallels the surface that we would create by filling in the spaces between elements. The H-plane is at right angles to the E-plane. The left portion of **Fig. 4** shows E-plane and H-plane patterns for the 3-element Yagi in free space. Note that the patterns do not have the same shape or beamwidth. H-plane patterns are generally broader than E-plane patterns.

When we place an antenna over ground, we shift to new terms: *azimuth* and *elevation*. The elevation pattern is a semi-circle limited by the earth's surface and peaking at the overhead or *zenith* angle. Although we can take the pattern in any direction, the prime elevation pattern is along the axis of strongest antenna radiation. Note that the strongest elevation lobe is at an angle with respect to the ground. When we take an azimuth pattern, we generally think of a horizontally oriented pattern. We can use any angle with respect to ground, but the most common pattern is at the elevation angle of maximum radiation, that is, the *take-off (TO) angle*. Since the same angle applies at all azimuth headings, we are actually taking a conical pattern and projecting it on a flat surface. At low angles, the projection does not create significant distortion.

These are not the only terms that you will encounter when meeting directional, bi-directional, and omnidirectional antennas. However, they certainly are a large enough collection for one episode.

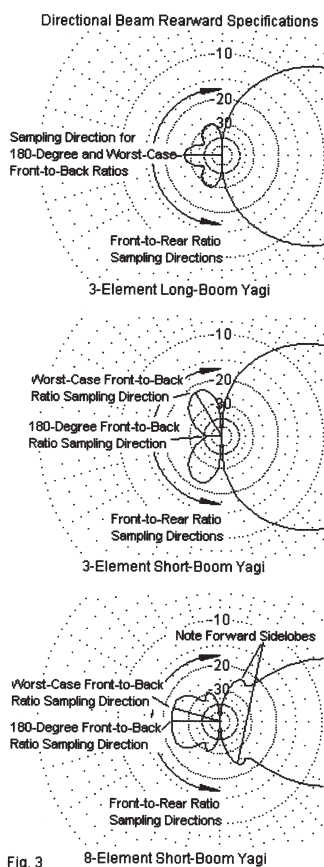


Fig. 3

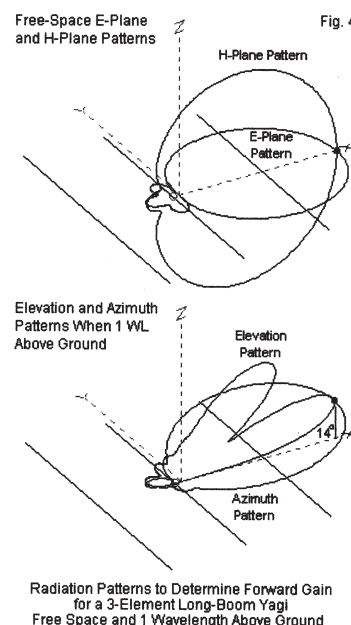


Fig. 4

Radiation Patterns to Determine Forward Gain for a 3-Element Long-Boom Yagi Free Space and 1 Wavelength Above Ground

CHAPTER COORDINATOR'S COLUMN

by Cliff Taylor K5FBS #48461



General Comments

As we all know, conditions on 10 meters continue with little to no propagation. I know that it is frustrating to continue to hold a chapter net under these conditions, but, who knows, maybe the band just might be open if you call your net.

If you are the chapter head or chapter head/certificate manager, don't forget that you are supposed to be member in good standing to hold that position.

If you are the chapter head or certificate manager of a chapter and are planning a special for your chapter for any period during the months of July 2008 through September 2008, please let me know so that I can either list it here if space permits, or list a contact person if space does not permit. We can also decide upon a seal name if one is needed. I would suggest that when thinking about running a special, please take into consideration current propagation. If you want the majority of your members to complete this special and propagation is bad, then a worksheet is the best way to go. (Note: This is primarily for those without email capability.) The same holds true if you are beginning a worksheet during the above period.

The Chapter Committee is currently looking at a few chapters with the possibility of declaring these chapters to be inactive. I will be putting out the word on these chapters as soon as attempts to contact the responsible chapter person(s) have proven to be of no avail.

Quarterly Reports Due

Dates Listed are Dates of Last Submitted Report

(April 2004) Pine State; **(February 2005)** Whitehouse; **(March 2006)** Oklahoma Route 66; **(May 2006)** City of Melbourne; **(June 2006)** Michigan Robins; **(July 2006)** Borinage; **(September 2006)** Milwaukee; **(December 2006)** Edmonton Area 10-10ers/City of Champions; Palmetto; **(January 2007)** Alii; Electric City; **(February 2007)** Neanderthal; Oceans of the World/Sun Coast Radio; Restoration Project/Feline Friends; **(March 2007)** Busy Bee; Crazy Eights; **(April 2007)** Louisiana Pelican 10-10 Net;

Chapter News

Alii: The chapter is still running the word find worksheets. A copy of one is obtainable from NH6SJ. You can ask for one via email or an SASE will get you one via USPS.

All American City: The CH/CM for the chapter has changed. It is now W4IXE. Address is: W4IXE, Mike Murray, 19042 Eastern Valley Road, Woodstock, AL 35188, and email is

w4ixe@bellsouth.net.

Channel Islands: The chapter now has a correspondent. He can be reached at Mac Shroyer, K6VMN, 603 Evergreen Square, Port Hueneme, CA 93041-2836.

City of Lights: The CH/CM's email address is now na9a@comcast.net

Cradle of the Confederacy: The 2008 Jeff Davis Birthday event will run from 0001Z Jun 1st to 2359Z Jun 7 2008. Contact with any Cradle of Confederacy, Local Charter or Local Member C, LC, or L) is an Instant Qualifier for the Numbered Certificate. Call Frequency 28.350Mhz. Send QSL information with \$3.00 to K4PO, 7173 Timbermil Drive, Montgomery, AL 37117-7405. Event QSL card, with SASE to N4SOJ, 450 Pike Rd, Pike Rd, AL 36064-2234.

Fort McHenry/Cornerstone: 1) During the month of April, collect Fort McHenry PSK numbers for 1 point each and collect Cornerstone Rampart numbers for 5 points each. Upgrades must be postmarked no later than May 31, 2008. 2) During the month of July, collect Fort McHenry Patriot numbers for 1 point each and collect Cornerstone Cannon numbers for 5 points each. Upgrades must be postmarked by August 31, 2008.

GB Ten: This year is Euro Football Year. Details of the special have been announced via email. If you haven't as yet picked a team, then drop me an upgrade with the name of the team that you want. The upgrade can be for a single point. During the special, sit back and watch to see how your team progresses through the championship which is being jointly held in Austria and Switzerland in June and July.

Laurel Mancunium: The URL to go directly to the chapter is <http://g4odh.users.htopenworld.com/exhibc.htm>.

Kansas Trails: The email address for the CH/CM is now kb6upg@mchsi.com, The URL is <http://home.mchsi.com/~kb6upg>.

Minuteman/Old Ironsides: The CH's email address is now: k1svp@aol.com

Portland 500: The CH is now K7KTP, Dick Prather. His address is 7816 North Montana Ave., Portland, OR 97217-6531. Email address is k7ktp@teleport.com

Republic of Texas: The CH's email address is now jimtonney@tx.rr.com and the CM's email is rmoyer@netbsa.org

Restoration Project: 2008 Special: Starts: 0001Z 01 January 2008. Ends: 2359Z 31 December 2008. Work Restoration Project members and use the letters of their calls (Prefix or S3+uffix) to spell: JANIS VE7AAP AND GARRY VE7ACM THIRTIETH ANNIVERSARY - Our names MUST be correctly spelled. Janice and Gary are NOT acceptable Spellings! Each call may be used ONCE ONLY. A call with the letter Q (e.g. KC5QCB, K7QXG) may be used as a Wild Card for any ONE letter. The complete Spell it will be worth 300 points. If you do not complete it, send in what you have, no later than 31 January 2009. Submit via E-Mail to ve_seven_wpc@yahoo.ca OR Snail Mail To 3528 11th Avenue Port Alberni BC V9Y 4Y7 Canada

Sky Blue Waters: The CH's and CM's email address is now skybluwaters@q.com

Steel City: In the month of April, net check-ins are worth the Dow Jones stock market closing. Use Friday's closing for the Sunday net (min +5). A Spring special will be run in June and watch the internet for details. July is a special net month with check-ins worth 10 points.

Chapters that Accept Upgrades Via Email ((As of 6 September 2006))

All of the listed chapters generally need previous, new, and total points and seals claimed. Any transaction with the CM that requires that a certificate be issued, and most worksheet specials, should still be handled via US Mail. Also to be on the safe side, a detailed listing of the upgrade should be kept in the event that the CM should require verification. Requirements peculiar to a particular chapter are noted below.

(* indicates change)

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

Battle Road - CM K1IEQ, k1ieq@juno.com

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

Bay Area - CM K6RDK (All except for Bay of Bridges), k6rdk@smm.com

CM AC6FU, ac6fu@netscape.com (Bay of Bridges)

Boomtown - CM N5EBA, ed_cisse_neal@yahoo.com

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

Borinage - CH/CM ON4CN, claude@on4cn.org

Branding Iron - CM KA5VVD, xit@clearwire.net

Branding Iron II - CM N5SCA, n5sca@sbcglobal.net

Busy Bee - CM kc5qcb@suddenlink.net

Castle Craig & Castle Craig Plus - CM N1API, n1api@cox.net

Chesapeake Bay: CM N3TGB, n3tgb2@aol.com

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

Colorado Centennial, Colorado Frontier

Gang/Centurion/Golden Aspen - CM WB0CON, wb0con@comcast.net

Colorado Quarter-Master - CM KC0CMZ, kc0cmz@msn.com

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

Cypress: CM KK3Q, cq1010@cypresschapter.org

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

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

Fort McHenry, Cornerstone & Yodar Kritch - CM K3TUJ, k3tuj@juno.com

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

Gold City: CM KD5DE, kd5de@nwla.com

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

Kansas Trails - CM KB6UPG, kb6upg@mchsi.com

Keystone & Keystone Stars - CM KA6GPC, ka6gpc@aol.com

Laurel Mancunium/Emperors/Roman Invasion - CM G3RRM, g3rrm@aol.com

Major League Baseball - CM N6OPR, rlfarrow@catalina-

inter.net or n6opr@msn.com

Millennium VIP: CM G4PDR, g4pdr@fsmail.net

Minuteman & Old Ironsides - CM WA1ENO, wa1eno@hotmail.com

Neanderthal - CM CM DK4QO, dk4qo@t-online.de

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

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

North Georgia - CM W4GKF, 10x@w4gkf.com

Oceans of the World & Sun Coast Radio - CM K4DRZ, dzak@tampabay.rr.com

Oregon Trailblazer - CM KD7FZY, ckckd7fzy@webtv.net

Palmetto: CM NJ4F, nj4f@arrl.net

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

Portland 500 - CM W7HO, portland500@portland500..com or w7ho@arrl.net

Republic of Texas - CM WD8JKV, rmoyer@netbsa.org

Restoration Project & Feline Friends - CM VE7ACM, ve_seven_wpc@yahoo.ca

Route-66 - CM KA9ADD, ka9add@wowway.com

Sky Blue Waters & Tin Lizzie - CM KA0ZIA, skybluwaters@q.com. Also submit total contacts, basic number(s) with current point value, 10-10 number with date of expiration.

Santa Fe Trail: CM KA9PCU, ka9pcu1@juno.com.

South Texas Lighthouse Brigade - CM N5DAS, n5das@juno.com. also total contacts, and date of issue of original certificate. An upgrade form is available via email. Upgrades can be done on-line on the website.

Space Coast - CM K5FBS, CATK5FBS@aol.com

Springbok - CM (for all except Oceania, Asia) W4ZYD, w4zyd@springboknet.com or msteele@naxs.com; CM (for Oceania, Asia) ZL3KR, zl3kr@clear.net.nz

Steamboat Plus - CM KD5DE, kd5de@nwla.com

Steel City - CM KE9WZ, ke9wz@windstream.net

Trail Driver - CM N5SCA, n5sca@sbcglobal.net

Twin Cities - CM K0DBK, k0dbk@comcast.net

These addresses are as current as the information you provide. If there are any additions, corrections or deletions to this list please contact the Chapter Manager, K5FBS, Cliff Taylor via email at catk5fbs@aol.com or via "snail" mail to 22707 Red Mountain Drive, Elmdorf, TX 78112-6034.

Submission of Information:

This column must be in to the editor of the NEWS no later than the first week of the month of March, June, September, and December. So in order to make the deadline and, if you want your chapter information in the current issue, it needs to be in hand by the last day of February, May, August and November. Keep in mind that sometimes the newsletter is delivered a few days into the month rather than being on the 1st. Therefore, if you have a special or worksheet that is going to be done during the months of January, April, July, or October, then the information needs to be in to the Chapter Manager in the prior issue.



There have been two large DXpeditions from the Pacific Ocean this past quarter. The TX5C DXpedition to Clipperton Atoll, started on March 7th and is now expected to QRT early on March 15th. The other was Ducie Island with callsign VP6DX. Both DXpeditions will have had 10-10 activity but it all depends on what operator you find on ten meters when you work them. Now for some details.

The grandest of the two DXpeditions was from Ducie Island located 540 kilometers east of Pitcairn Island. The callsign used was VP6DX and there were three 10-10 members in the group. However, one of our members forgot his number and was telling people that he did not have a number so I guess he left it back in Germany! I know that our Russian friend Andy did give out his number when asked. These were our members: Andy UA3AB #23433, Milt N5IA #8469 and Carsten DL6LAU #58930.

VP6DX set many new DXpedition records, like most contacts 183,686 QSO's and other records that will stand up for years. They were on Ducie Island for sixteen days operating around the clock with multiple antennas and radios. They averaged over 475 contacts per hour once they were setup and running. That is a fantastic rate to keep up for sixteen days! The QSL process is ONLINE and the preferred method. You can receive your card via the bureau at a later date or with a donation, you can receive your card mailed direct to your home address. Their 2008 website has all the details: www.vp6dx.com.

The DXpedition now running is on Clipperton Atoll with the callsign TX5C and they are on the air all the time with several stations and making lots of contacts. There are three 10-10 members in this group: Ann WA1S #48144, Arnie N6HC #29959, and Gerard F2JD #63443. I have already worked Gerard but my contact was on 160 so I am still looking for Ann WA1S on ten. I only need to make a few WARC band contacts with them and maybe an RTTY contact to get what I need. But many people are making it a challenge to work them on as many as 20 band/modes while they are there. I already have a 10-10 contact from Clipperton from a past DXpedition but I would like to work Ann WA1S since she always gives out her number if asked.

The Clipperton DXpedition was to stay ten to twelve days but plans have changed as bad weather has made operating difficult. They had a bad start with weather delays. This island is an easy catch if you can beam south from the USA. Website info: www.clipperton2008.org. Good luck.

Countries Award

The total number of basic certificates issued is 619. I had no basic certificate and 5 upgrades this past quarter. Basic Certificates and upgrades are now FREE. Copy your QSL or eQSL cards instead of sending the originals to save postage. Please use the website before you send an application or email any questions to me.

General 10-10 DX reported in the past quarter:

C6 Bahamas. Bob N4BP #3268, and friends were in the ARRL CW DX Contest in February using C6AKQ. Fred K9VV #8707 used call C6AKU.

C6 Bahamas. Randy W6SJ #73541, was using callsign C6AWS from Grand Bahama from Mar 6-11th. Randy likes the WARC bands so good luck on ten meters.

ES Estonia. Vello ES1QD #54271, was using ES90M from Muhu Island in February. QSL to his home call. During the month of February, many stations were using the ES90 prefix to celebrate the 90th anniversary of the Estonian Republic.

GJ Jersey Islands. Flo F5CWU #71812, Terry F5MOO #70603 and Sylvain, F4EGD were active as homecalls/MJ until January 6th. Tom GM4FDM #31864 was using call GJ4FDM, until January 6. QSL to home calls.

HK Columbia. 5K3W had a special Colombian callsign for Siso HK3W #62282, in late February.

HK0/5J0E San Andres Island. Members of the Texas DX Society hit the airwaves from San Andres Island March 1-6th. They used 5J0E on SSB, CW and digital modes. Operators: Paul W5PF #5921, Bill K5WAF #73432, Chuck W5PR #7412, Jim N4AL #21840, Cal WF5W and Keith NM5G. QSL to W5PF. www.tdxs.net/hk0.html.

PJ2 Bonaire, Curacao Islands. Goose, PJ2/W8AV #25365 was on from Curacao from February 4-18th while on holiday. He operated HF using CW and some RTTY.

T32 Christmas Island. Bill N7OU #69318, has been loud on 17 CW from Christmas as T32OU. Bill was still there February 25th and unknown when he is leaving.

TX5C Clipperton Atoll. Ann WA1S #48144, Arnie N6HC #29959, Gerard F2JD #63443 and a large group of operators are now on Clipperton using the TX5C callsign for ten or twelve days starting March 7th. There has been 10-10 activity from Clipperton with previous DXpeditions.

V2 Antigua. Pete N0FW #30703 was using V25FW and Rod KE0A #31564 was using V26GF, until January 2nd. QSL V25FW via W8QID and V26GF via KE0A.

V4 St. Kitts & Nevis Islands. Mike W1USN #51238, Bob AA1M #17930 and Scott W1SSR, were on St. Kitts in late February and early March. Callsign unknown, sorry.

Upcoming DX & New 10-10 Activity

3W Vietnam. Stan 3W9JR/OK1JR #20103, is expected to be in Hanoi for one to two more years. QSL via OK1JN.

6Y5 Jamaica. Frank K3TRM #69974, will be portable in Jamaica from March 14- 23rd. He hopes to be the first

to use the sixty meter band in Jamaica with callsign K3TRM/6Y5.

9X Rwanda. A dozen operators will be in Rwanda from March 16- 27th. Unfortunately no 10-10 members.

CX Uruguay. Dale N3BNA #32100, Thomas ZP5AZL, and Jorge CX6VM, will use the callsign CW6V in the ARRL SSB DX Contest.

EL Liberia. Bruno HB9BEI #21124, will go to Monrovia, Liberia on March 16th. A few days later he travels to northern Liberia to Lofa where he will be installing network and electrical service in a hospital. His friend Chris HB9AUZ, will join him March 30th and they expect to stay for one month. They plan to be on the ham bands during free time. Bruno will be on SSB and digital modes as EL8BK.

HK0 San Andres. Dennis K7BV #5414, will travel to HK0 San Andres Island on June 28th for nine days. Website: www.qth.com/k7bv/caribe2008. He was hoping to be HI3TEJ for ARRL DX CW in February.

HR Honduras. A DXpedition to Swan Island off Honduras will happen from March 15-23rd. The callsign will be HQ8R. The only 10-10 member is Lane KC4CD #26312 of the ten operators using one CW, one digital and two SSB stations. Web page: www.hondurasdx.com.

OZ Denmark. Look for Klaus DK9LO #21130, from March 8-21st as OZ/DK9LO on Romo Island.

TK Corsica. A group of operators will be using the callsign TK7C while on Corsica from May 3-10th. The operators will be Jean-Paul F8BJI #71704, Laurent F1JKJ #74675, F6BIV, F4TTR, F5AGB, and F9IE. They plan to be on CW, SSB and digital. Jean-Paul likes RTTY.

V2 Antigua. Bob W4OWY/V25WY #21678 and Mark W9OP/V25OP #12879 will be on the air until March 18th. Activity is on CW, SSB and RTTY.

V3 Belize. Dennis K7BV #5414, has announced his plans for a June/July 2008 DXpedition to two islands in the Caribbean. He will be on six meters and all HF bands when six is not open. His first stop will be at Caye Caulker Island in Belize from June 20-26th. He will move to San Andres Island from June 28th to July 6th. Dennis is hoping for some financial support to help with the trip cost. Donations to Mick W1JJ who is also the QSL manager. Website at: www.qth.com/k7bv/caribe2008.

VP5 Provo Island. Bruce W4OV #7344 and non-members KX4WW, W4VIC, and W9RN will be using VP5/home calls from March 21st to April 1st. A special call VQ59W will be available for the WPX SSB Contest. Info at <http://vadxcg.com/VQ59W.htm>.

YI Afghanistan. David K5QWO #74072 (YI9QWO, EL2RL), plans to be going to Afghanistan about March 7th. He'll be taking a 100 watt radio and CW key.

ZD9 Tristan da Cunha Island. Tom KC0W #67688, is now active as ZD7X from St. Helena. Tom will leave St. Helena in April and go to Tristan for up to six months. He hopes to extend his travels by spending two weeks each on

South Sandwich, South Orkney and South Georgia Islands. Miscellaneous Items & Notes:

Postage Increase May 12th. Current New First-Class Mail Letter for 1 oz. was 41¢, goes up to 42¢, two ounce rate was 58¢ goes to 59¢. First-Class to Canada or Mexico for 1 oz. was 69¢ goes to 72¢. First-Class International Letter: (1 oz. to other countries) was 90¢ goes to 94¢. Website at: <http://www.usps.com/prices>.

You can see the solar progress and graphs at the NOAA website: <http://www.sec.noaa.gov/SolarCycle/>.

Solar Forecast: <http://www.sel.noaa.gov/forecast.html>. Information on IRCs/US\$ needed for postage to the USA is at: <http://www.qsl.net/w9ol/ircchart.txt>.

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

DX Calendar: An interactive DX Calendar based on 425 DX News is available at <http://www.dxwatch.com/>.

Propagation: Propagation has been poor this past winter in the US as some Sporadic E openings have been observed here in Texas. The last good opening was the Ten Meter Contest in December. Plus the openings to the two great DXpeditions with VP6DX and TX5C.

Expect the daily solar flux to range from 80-92 the next quarter and the monthly flux will stay below 93 until Solar Cycle 24 is firmly established by NOAA.

Cycle 23 is history and Cycle 24 is here. The flux remains in its lowest range with many days of few sunspots in February. On March 11th the solar flux was 70 the A index 17 and K index 3 which is 19 points lower than last article. X-ray emissions from the sun have not improved and the flux continues its low numbers. Solar activity is low and a chance of a storm/flare is small.

Expect the best conditions on March 18-20th, April 14-17th, May 11-14th, and June 7-9th. Over the next four months, for USA stations, expect a 10% chance of DX in the mornings to Asia, Europe or Africa and a 25% chance into South America or the Pacific in the afternoon. To tell what DX paths are open, use the beacons from 28.175-28.300 (especially 28.200).

New DX members' December 2007 to February 2008: Dec: None. Jan: 74877 DF0HHT, 74878 DF0HM. Feb: 74906 DL4MP, 74925 DF0AG, 74929 IK3MAU.

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

DX IS!

73 Mike Davidson N5MT #24949

Open Season Ten Meter PSK Contest 2008

Sponsored by Ten-Ten International Net, Inc.

please check for any updated rules at <http://www.nwla.com/tenx/oseason.html>

Preamble

The policies and rules for this event in no way affect or modify the policies for other scheduled Ten-Ten events: these events are described in detail on the Ten-Ten web page.

Purpose

To stimulate PSK activity on the ten meter band.

Eligibility

Open to all licensed Amateurs with privileges on the digital section of the ten meter band. It is not necessary that an Amateur be a member of any of the following to submit a log for scoring: 10-10, 070, or EPC, or any other organization to enter the contest.

Date & Time

Start 0001UTC June 7 2008 end 2359 UTC June 8 2008

Mode

BPSK31 - All contacts must be 2-way BPSK31.
No repeater, cross-mode or cross-band contacts allowed.

BANDS

Ten meters: digital section
Primary suggested frequency: 28.120 (suggested in case of heavy traffic 28.125) Please note that the Prop-Net system is at 28.131, please do not use this frequency.

Entry Categories

1. QRP (maximum 5 watts output)
2. Low Power (maximum 50 watts output)

Suggested CQ

"CQ Open Season de (your call) pse K"

Exchange

US Stations: Call, Name, State, and all of the following numbers that are held: 10-10, 070, and EPC.
DX stations: Call, Name, Country and all of the following numbers that are held: 10-10, 070, and EPC.
For example: "VE9KM de WA4EEZ, Leslie, FL, 10x 15675, 070 359, EPC 299 qsl ?? BK"

Scoring

1 point for each contact, plus 1 point for each of the following numbers: 10-10, 070, and EPC.
(For example, if you work a station with no affiliation with any of the three clubs, you get 1 point. If you work a station with a 10-10 number you get 2 points, up to 4 points for working a station with numbers from all three clubs.)
No multipliers.

Entries

Send log data showing date, time(z), exchange received and claimed score. For entries with 50 contacts or more include a dupe sheet listing contacts in call sign alphanumeric order. Be sure to also include your call sign, address, e-mail address, entry class and club member numbers if applicable. Send your entry as a .txt file via E-mail to

openseasonpsk@windstream.net

or via post to

Steve Rasmussen NOWY
312 N 6th Street
Plattsmouth NE 68048-1302 USA

Entries with an excessive number of dupes will be listed as check logs. All entries are subject to verification.

Submission deadline

All entries must be received by July 10, 2008.

Awards

Ten-Ten International Net, Inc. will score and give awards to the first place Amateur in the same manner as the ARRL 10 meter contest. Also the top 10 Amateurs will be published on the web and in the Ten-Ten News.

Northeast Region

(New England, Hudson, and Atlantic Divisions;
Maritime and Quebec Sections)

Southeast Region

(Delta, Roanoke and Southeastern Divisions)

Central Region

(Central and Great Lakes Divisions; Ontario Section)

Midwest Region

(Dakota, Midwest, Rocky Mountain, and West Gulf Coast Divisions; Manitoba and Saskatchewan Sections)

West Coast Region

(Pacific, Northwestern and Southwestern Divisions
Alberta, British Columbia and NWT Sections)

Africa

Asia

Europe

North America

Oceania

South America

Also a First Place in the world award will be given to top operators in both power classes.

General

Ten-Ten International Net, Inc. reserves the right to disqualify entries deemed not in accordance with the above rules or contrary to the spirit of this event. Please direct all inquiries regarding this event to kd5de@nwla.com

Introducing a NEW EVENT!!!

Meet the Volunteers

A year-long event to find and make contact with all of the people who devote time to keep 10-10 an active organization!

The goal? Make contact with each of the following volunteers during 2008.

AJ5ZXAward-WAC	KS4XINet Control
G4BLHAward-GB Counties	KZ3T.....Award-BAR 100-900/VP Lucky 13
K0DBKDirector-Awards Mgr / Counties	N0KDBSK Manager
K0NOCommittee Member	N0WYDirector-Editor
K1IEQDirector - Planning	N3TGBAward-1000+
K2BIL.....Committee Member	N5DASCommittee Member
K4QHH.....Net Control	N5MT.....Award-Countries
K5CCDirector - Web/Call Trustee	N6ELK.....Net Control
K5ERJAward-Mobile	N6OPR.....Director - Net Control Mgr
K5FBSDirector - Chaptor Coord	N7PVL.....Net Control
K6PZENet Control	NN1J.....Award-WPX
K7QXGQSL Bureau Manager	NS2M.....Net Control
KA5OVO.....Historian	VE7ACM.....Committee Member
KA6RFB.....Net Control	VE9KMDirector - QSO Parties
KA9EKGNet Control	W0HIKAward-VP/VP WAS
KB3KTR.....Net Control	W1KTCommittee Member
KB7ARNCommittee Member	W2BOCNet Control
KB9ARACommittee Member	W6YLJPast President
KB9MJ.....Net Control	W7SSG.....Secretary
KC7OCNet Control	W9HTCommittee Member
KC8IM.....Net Control	W9HZCWebmaster
KD5DEAward-Digital	WA2SUHVice President / Scholarship Mgr
KE3VV.....General Council	WA4EEZDirector - Relations
KE6OIO.....Net Control	WA6POZPresident / Data Manager
KI6OYAward-CW	WB0CONAward-WAS
KM5EH.....Award-OM/XYL	WB6OBJ.....Net Control
KQ4PKNet Control	WB7XCommittee Member
KR7RKTreasurer	WD8JKVCommittee Member

>> RULES FOR THIS EVENT MAY BE FOUND ON PAGE 28 OF THIS PUBLICATION <<

Silent Keys

Compiled and listed by
Ruth Bartholomew NØKDB #48715



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

00927 WA4GLS...O D Keaton.....Old Hickory, TN
01086 WA5PME...Julian D Kent.....Benson, AZ
01033 W0POF...John A Hunt.....Florissant, MO
01568 K4RL.....Robert L Plunkett.....Pulaski, TN
02678 WA2MRZ...Robert M Mausteller.....Marilla, NY
03117 W1PL.....Leslie S Radnay.....Melrose, MA
04203 VE3BNV...Roy Tuttle.....Peterborough, ON, CAN
04541 KOJPW...Don Weaver.....Osawatomie, KS
10345 K7ZPE.....Arthur S Stone.....Coeur D'Alene, ID
10646 K9RI.....Raymond G Wolfe.....Kenosha, WI
11004 W1VJ.....James C Elwell Sr.....Spruce Head, ME
11018 W3HHC...Paul W Fritsch.....Allentown, PA
12593 WA6EVX...Raymond E Ault.....Anderson, CA
16542 K2JF.....John M Fisher.....Pitman, NJ
16636 WA7ZSX...Wm 'Ross' Scott.....Lake Oswego, WA
16752 K3NPX...David J Leiser.....Freedom, PA
16888 KD9Q.....Douglas E Williams.....Qunicy, IL
17124 N5FW.....Frank Wolk.....Allentown, TX
18029 AC6V.....Rodney R Dinkins.....Oceanside, CA
18883 KK5P.....James E Farner.....Hurst, TX
22850 AB5J.....Franklin Phillips.....Lawton, OK
23552 W6LC.....Eddie Pollock.....Grants Pass, OR
24006 W4PZD...Joseph Cuccia.....Pinellas Park, FL
24141 WA4BGL...Ira Seldler.....Saint Petersburg, FL

25554 KL7HHR...Albert L Hanes.....Chickaloon, AK
27222 G4HWW...Bob Scott.....Stockport, Eng
27918 PA2JSL...Johannes J Scharroo.....Landsmeer, Neth
28254 WD0DHH...Judith A Long.....Pueblo, CO
29082 KA7CII...Ernest L Berninger.....Sandy, OR
29106 W4DDM...William A Scruggs.....Richmond, VA
30761 W0BGM...Darrell M Ray.....Fort Scott, KS
31049 NZ5E...Robert Wille.....Colleyville, TX
40983 LA8PF...Per O Lomeland.....Alta, Norway
41620 NW0M...George Deas.....Omaha, NE
41750 WB1ABI...Peter J Kenney.....Woburn, MA
42463 W3JUJ...Russell W Moyer.....Virginvile, PA
43582 W6PGK...Robert F Lindstaedt.....Green Valley, AZ
45016 WD0A...Rex D Moore.....Manson, IA
47573 KB5FLC...Claud Hunsucker Jr.....Michigan City, MS
48690 N5IQ...Brad Killebrew.....Humble, TX
48955 N7EYO...Donald E Burlingame.....Lacey, WA
49281 N0ISS...George Brannan.....Wichita, KS
50291 KJ7IG...Robert F Lockbeam.....Yakima, WA
50761 K4HPV...Charles F Erlandsen.....Beaufort, SC
56237 K3KGZ...Keith Zabawski.....Mount Pocono, PA
57343 WA9SOQ...Joseph Mezera.....La Crosse, WI
60841 W1FDT...Kevin Grady.....Deerfield Beach, FL
61035 N8MTO...Daniel W Jacobs.....Woodsfield, OH
61622 WA1DCN...Gordon Kendall.....Tilton, NH
61773 WB2YVW...Russell Stevensen Sr.....Orwigsburg, PA
62851 N8PWY...Leslie H Hamilton.....Livonia, MI
63222 W4TAD...Willis C Hazell.....Largo, FL
64122 K6QK...Harvey M Hiller.....San Diego, CA
65658 KE4HKT...Cecil V Miller.....Pfafftown, NC
68194 W7SMC...Daniel R Colton.....Shelton, WA
68306 KB0TFT...Michael Hayden.....Muscatine, IA
69160 N1RZB...David Moge.....Merrimack, NH
69193 WA4FKI...William C Zellers.....Fayetteville, NC
72587 KC2EWR...Gerald B Quigley.....Plattsburgh, NY
74007 VE3ZLN...Lloyd A Simcock.....Oshawa, ON, CAN
74752 AB8ZI...Mark C Mueller.....Ann Arbor, MI

THE CW/DIGITAL QSO PARTY

IS NOW SPLIT INTO THE

CW QSO PARTY AND THE

DIGITAL QSO PARTY

BOTH EVENTS STILL THE SAME WEEKEND

BUT SEPARATE AWARDS!!!

SEE RULES ON PAGE 28 FOR MORE INFO!

YOU HAVE TO MAKE CONTACTS TO GET RESULTS

10-10 SCHOLARSHIP APPLICANT INFORMATION

This year the 10-10 International Net, through our non-profit corporation, the 10-10 Scholarship Foundation, will fund four \$1500 scholarships, which are administered on its behalf by the Foundation for Amateur Radio (FAR).

Diane Zimmerman, AA3OF, Chairman of FAR's Scholarship Committee, announced the six most recent winners of the 10-10 Scholarships in the October 2007 10-10 International News. Over the past 19 years, 10-10 has funded 71 scholarships valued at \$67,000.

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

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

New Life Members

09729N6HE.....Ray Day

26040K4QHHRobert A Bischoff

70959W4UMMichael M Raskin

72576K4IBWilliam P Arnold III

72789W8FSFFrederick S Freer III

74935AI2IA.....Raymond J Mullin

W6OI #109 ON THE AIR

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

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

QSL cards are available for special events. W6OI was on the air for the Winter Phone QSO Party on Feb 2,3. The W6OI Special Event in which W6OI is operated from all US call areas will be on Nov 22,23. Louise Chapman (N6ELK) operates W6OI each Wednesday as the Net Control Station beginning at 1800Z on 28.800 MHz. Please include SASE when requesting a QSL via:

**LOUISE CHAPMAN, N6ELK
3210 CLARK AVE
LONG BEACH CA 90808**

Paperchasers working W6OI can request the chapter list from K5CC. W6OI has FISTS and GERATOL numbers. Contact K5CC to arrange a schedule to obtain these numbers.

HILL COUNTRY PICNIC

The 20th Hill Country Picnic will be held on 1 June 2008 at the home of K5CC in the beautiful Texas Hill Country north of San Antonio. All 10-10 members and prospective members are invited along with family and friends. Plenty of good food will be served. A ten meter station will be on the air and a parking lot net will be held about 2000 GMT around 28.345. If you can't attend try to check into the net. The 10-10 Board of Directors meeting will be held in San Antonio on Saturday 31 May and many of the Officers and Directors will be at the Picnic on Sunday. For those in the area a Saturday night dinner will be held in San Antonio. The Picnic is sponsored by the Outlaw/Bounty Hunter, South Texas Lighthouse Brigade and Space Coast Chapters of 10-10. If you are interested in attending let K5CC, WD5EDR, K5FBS or N5DAS know and information will be sent a few weeks before the Picnic.

10-10 SCHOLARSHIP FOUNDATION SUPPORTERS



We encourage all of our members to support the 10-10 Scholarship Foundation. Our goal for 2008 is to fund four \$1500 scholarships entirely through member donations outside the dues structure. The 10-10 Scholarship Foundation is a qualified 501(c)(3) tax exempt organization and contributions are tax deductible. If you have an employer matching program, please let us know. Why not consider a donation as a Chapter or an individual donation in memory of a fellow ham or loved one? This quarter, L.B. Cebik, W4RNL #41159 donated in the memory of his wife Jean. Eva Donaldson, WBØCON #53964 made a contribution in memory of Chuck Albrecht, NØCKW. Mr. and Mrs. Keith Steinkamp sent a Christmas gift donation in the name of Patricia and Jeff Steinkamp, N7YG #65084. John Drozdowski, WB2LLH #29301 contributed the remaining funds of the Trotters and Pacers treasury. John wrote "After some 30 years of being an active 10-10 chapter, the Trotters and Pacers Chapter no longer exists. Since the money in the treasury came from 10-10'ers, it is only appropriate that the money be used for the 10-10 Scholarship Fund."

If you haven't donated before, we want you to know that all donations, no matter how small, are appreciated and they do add up. At the time you make a donation to your favorite charity, why not write out a check to the 10-10 Scholarship Foundation? If you make a donation of \$10 or more you will receive a special 10-10 pin for 2008. For \$15, we will also throw in the 2007 pin, while supplies last.

The members listed below became 10-10 Scholarship Foundation Supporters during the months of December, January and February, and we appreciate their support.

PLATINUM

(\$1000 or more)

W5BXXDavid Topp.....67596
Trotters and Pacers Chapter Treasury

GOLD

(\$500 to \$999)

KE6DRN....Charles Thompson68855
KAØWASRobert Clark.....72482

SILVER

(\$100 to \$499)

W3PWGRolland Madara.....01538
WB8KQJKenneth Buser05830
WA4EEZLeslie Johnson15675
N4LZ.....Maurice Schietecatte30439
W4RNLL.B. Cebik.....41159
WBØCON.....Eva Donaldson53964
KBØKVA.....Carl Nielsen63844
WB6OJBDr. Arnold Kalan70675
KD5HIPJohn Zumbro71476
KA8QJerry Redding.....73765
WB2ERDTaras Sochan*74082

BRONZE

(Up to \$99)

WB2ZFG . . . Philip Crepeau 00294
W8TRX . . . Don Schwardt 02500
W4GFY . . . Thomas Clarkson 03577
W6FC . . . Francis Cartier, Sr. 13060
WB4VEJ . . . Luther Cuthrell 15479
NBØZ James Kew. 16017
W8KAQ . . Robert MacDonald 16126
KR4U David Trewin 26870
N8FXL John Taylor 29541

W8RED . . . Thomas Power, Jr.	38820	N2YN Marcos Meletich	72399
W1CRO . . . Arthur Whittum	40405	N8KP Gary Wick	72453
W4REX . . . Maurice Bernstein	45346	N3AGS . . . Richard Miskinis	72584
WD4MUD . . . John Darden	46132	AA2MA Mark Morgida	73000
N5JED Charles Joseph	46559	AG4ON James Hinkle	73071
KB6WHT James Pike	47964	K2TQZ John Voss	73189
KBØARZ . . . Richard Mehaffey	48754	KF4FQW . . . Duane Pocock	73272
WY2R Manuel Amorim	49736	N7ZTU Robert Bush	73385
KB6BLD Joyce Pike	52648	W3ADC John King	74453
AA7FK Robert Jensen	53104	KD7DJE . . . Diane Hoffman	74579
AA9CJ . . . Thomas Kewley, Sr.	53539	KI4VTL . . . James McCormick	74763
W6GHR . . . Eugene Kirkbride	55383	W5NYU . . . Michelle Thompson	74808
KK8T John Hess	59832	KF6TTR . . . John Rogers	74868
KD4ABZ . . . Patricia Lovarco	62609	KI4DPU . . . Joe Cordeiro	74879
N3NOP . . . Robert Fulton, Jr.	63098	KG4JSZ . . . James Schilling	74882
N5YOH . . . Lonnie Philpott	64313		
N3NXC David Shultz	64569		
N7YG Jeff Steinkamp	65084		
DK7LA . . . Wolfgang Dethlefs	66048		
KB4GH . . . Edwin Nicholls, Jr.	67575		
KE4EYI . . . Cecil Wagner	67773		
AD6AA . . . Michael Germino	68773		
W4SPT . . . Gerard Gronboldt	69662		
WA3HSR . . . Michael Hall	70449		
KA2DZR . . . Berislav Pavlic	70506		
NC6U . . . Ronald Carmichael	70953		
N1WLC . . . Michael McMullan	71274		
WA4PAM . . . Frank Harris	72252		
KA1DWZ . . . Dick Crossmon	72392		

* Employer Match Pending

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

**10-10 International Net Scholarship
Manager**

**Larry Berger WA2SUH
9 Nancy Boulevard
Merrick, NY 11566-3119**

**SUPPORT THE TEN-TEN
SCHOLARSHIP FOUNDATION
WITH A DONATION TODAY.**

IT'S TAX DEDUCTIBLE!



NET NEWS

Bob Farrow N6OPR #45715

Good morning

I just finished calling the Thursday net on 28.380 we had 14 checked in. In making the fourth quarter net reports there was just no propagation in the last quarter of 2007. Sometimes I wonder how the people calling the nets just don't and say they did. I only had one opening last quarter with 45 contacts on 28.380 and KQ4PK also had a small opening that day on 28.800. That's it for 12 NCO calling a total of 130 nets last quarter.

Let me introduce to you one of our alternate controllers: KC8IM 10-10 31959 Daniel Wisner who we call upon for a day off on the East Coast. He says he is has yet to enjoy being a alternate net controller under good band conditions.

Biography of

Daniel A. Wisner, Sr. KC8IM #31959 & VP1159
188 Redman Road
Milan, MI 48160-1615
(734) 439-7095

A Michigan native, Daniel Wisner was born at Hillsdale Hospital on January 19, 1932.

Dan was employed as a mechanic/jack of all trades during his high school years and a Truck Driver of a big double bottom steel hauling rig; operating in several states, during college breaks & vacations, years of 1951 thru 1954. Thus

QUARTERLY NET REPORT

28.380			28.800			28.380			28.800			28.380			28.800		
MONDAY NETS						WEDNESDAY NETS						FRIDAY NETS					
		w/o			w/o			w/o			w/o			w/o			w/o
DATE	TOTAL	10x#	DATE	TOTAL	10x#	DATE	TOTAL	10x#	DATE	TOTAL	10x#	DATE	TOTAL	10x#	DATE	TOTAL	10x#
10-01	1	0	10-01	13	0	10-03	1	0	10-03	13	0	10-05	1	0	10-05	1	0
10-08	1	0	10-08	12	0	10-10	1	0	10-10	12	0	10-12	1	0	10-12	1	0
10-15	2	0	10-15	17	0	10-17	2	0	10-17	12	0	10-19	1	0	10-19	1	0
10-22	1	0	10-22	17	1	10-24	2	0	10-24	13	0	10-26	1	0	10-26	1	1
10-29	1	0	10-29	17	1	10-31	1	0	10-31	20	1	11-02	1	0	11-02	9	1
11-05	1	0	11-05	15	0	11-07	8	1	11-07	13	0	11-09	1	0	11-09	14	1
11-12	1	0	11-12	15	0	11-14	1	0	11-14	13	0	11-16	1	0	11-16	12	2
11-19	1	0	11-19	15	0	11-21	1	0	11-21	8	0	11-23	1	0	11-23	7	0
11-26	1	0	11-26	18	0	11-28	1	0	11-28	11	0	11-30	1	0	11-30	8	1
12-05	1	0	12-05	13	1	12-05	1	1	12-05	14	0	12-07	1	0	12-07	10	2
12-12	1	0	12-12	16	0	12-12	1	0	12-12	10	0	12-14	2	0	12-14	6	1
12-19	1	0	12-19	18	0	12-19	1	0	12-19	19	0	12-21	10	2	12-21	7	2
12-26	1	0	12-26	11	0	12-26	1	0	12-26	18	0	12-28	5	0	12-28	12	1
TUESDAY NETS						THURSDAY NETS						SATURDAY NETS					
10-02	3	0	10-02	1	0	10-04	19	0	10-04	3	0	10-06	1	0	10-06	11	1
10-09	3	0	10-09	1	0	10-11	13	1	10-11	3	0	10-13	2	0	10-13	10	0
10-16	3	3	10-16	1	0	10-18	18	0	10-18	3	0	10-20	1	0	10-20	12	1
10-23	4	0	10-23	1	0	10-25	45	13	10-25	11	1	10-27	2	0	10-27	14	1
10-30	5	0	10-30	2	0	11-01	17	1	11-01	3	0	11-03	1	0	11-03	11	1
11-06	2	0	11-06	1	0	11-08	13	0	11-08	3	0	11-10	1	0	11-10	10	1
11-13	2	0	11-13	3	0	11-15	15	0	11-15	4	0	11-17	1	0	11-17	11	0
11-20	3	0	11-20	9	0	11-22	12	0	11-22	3	0	11-24	2	0	11-24	12	1
11-27	2	0	11-27	1	0	11-29	19	1	11-29	5	0	12-01	1	0	12-01	9	0
12-04	3	0	12-04	1	0	12-06	20	0	12-06	2	0	12-08	4	0	12-08	17	0
12-11	2	0	12-11	3	0	12-13	13	1	12-13	3	0	12-15	1	0	12-15	11	0
12-18	2	0	12-18	1	0	12-20	20	0	12-20	2	0	12-22	1	0	12-22	14	0
12-25	8	0	12-25	1	0	12-27	19	0	12-27	2	0	12-29	7	0	12-29	15	0

financing his college education and managing to finish it debt free. Dan graduated from Hillsdale College in 1955 with a B.S. in Mathematics & Physics. He gained further training in Electronics via the U.S. Army Radio Maintenance course in 1955. These studies paid off when he landed work as an Electronics Engineer at the Military Research Laboratory at IBM in Poughkeepsie, NY and was sent to IBM's Computer Engineering Program in 1957. He went on to take further graduate courses in Electrical Engineering and Mathematics. His military service was in the U.S. Army at Fort Knox, KY from February 1955 to January 1957 in Radio Maintenance. His occupation as an adult was as an Electronics Engineer in the Computer industry. He holds thirteen (13) U.S. Patents, on inventions; namely: 3438054, 3511329, 3570622, 3584963, 3593133, 3946285, 3970935, 3978393, 3988664, 4001665, 4110675, 4160546 and 4213082. The best-known being the automotive device commonly referred to as "cruise control." Another invention which Dan co-developed provided a ten-day vacation in Paris for Dan and Marilyn. This prototype-gaging machine opened the door to the future. Its principals are used in digital camera design, spy satellites, camcorders, and document handling machines. Companies worked for in chronological order: IBM, NCR, L.M. Ericsson, Burroughs, RCA, ICS; SENSORS, Inc; OMNITEXT & UNISYS.

Dan says his interest in the radio hobby came from his employer's interest in radio during his high school & college years, Army Radio 1955-57 and in 1979 from the built in CB in his new car. At that point he started learning the Morse Code, the most difficult task of his life, so he could get an Amateur License! For several years he ran a weekly quasi 10-10 10M FM net known as the Ann

Arbor 10M FM Monday Night Net back in the days before the Novices were given 28.3 - 28.5M Hz. Wherein Novices could work DX via VHF & UHF repeaters and remote bases. Then recently he ran a 6M FM simplex net on 52.490MHz every Wednesday evening at 7:00PM. He wrote an instructional article for building a durable inexpensive yagi antenna for the January 2004 issue of the 10-10 International News. Also recently gave the 10-10 presentation at the Arrow Communications club meeting in Ann Arbor.

Dan is married to Marilyn Brown. Marilyn worked as a bookkeeper and a plant manager. She retired early, then, served the City of Milan as Mayor Pro-Tern and as a council member for sixteen years.

Dan has three children all graduates of Kalamazoo College. His daughter, Cheryl, then earned an MBA at the University of Detroit; son, Daniel, earned his Ph.D. in Chemistry at Ohio State University and completed post doctorate work in Chemistry at Stanford; and daughter, Joan, went on to Northwestern University to earn her M.S.J. All seven grandchildren, ages 15-9 years, are musicians. The eldest has shown a particular aptitude for computers and his services are already in demand.

Along with raising a family of their own, foreign exchange students were welcomed into the Wisner home. These students hailed from Sweden, Finland, and Germany.

Dan's travels have included a guided tour and two self-directed tours of Western Europe. A several month work assignment at Croydon, England provided Dan the opportunity to explore the UK and to operate with reciprocal license G5EPJ.

10-10 HAS TWO OFFICIAL DAILY NETS 28.380 and 28.800

**BOTH RUN AT 1800z EVERY DAY EXCEPT SUNDAY
LISTEN AND IF YOU CAN HEAR US - JOIN IN !!!**

Pssst! - There is also an informal slow-speed (10-15 wpm) CW net at 1700 on Mondays at 28.800

TEN-TEN AWARDS

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

Top Ten Honor Roll

#	CNTCTS	CALL	10-10#
01	24600	WA5JDU	03017
02	11600	K5GAY	11825
03	11500	K0PV	09902
04	10800	NS4M	41176
05	10000	K6PZE	01341
06	09400	N1API	25468
07	09300	N5DAS	35877
08	08600	AC6FU	10937
09	08400	KF7PU	30021
10	08100	W3FGU	16728

Top Ten Clubs

#	CNTCTS	CALL	10-10#
01	09200	WD0SFT	37933
02	04300	K6MQ	71487
03	01100	NM5MD	72385

1000+ BAR

#	CALL	10-10#
1557	KK3Q	26039

VP Award

#	CALL	10-10#
546	KE1HG	69090

#	CALL	10-10#
063	N3TGB	68129

OM/XYL Award

#	CALL	10-10#
480	KC8IM	31959

WPX Award

#	CALL	10-10#
355	W7HO	10934
356	W5DJT	74798

#	CALL	10-10#
207	W7HO	10934

DX Award

#	CALL	10-10#
053	W5GVP	11572

#	CALL	10-10#
047	W5GVP	11572

#	CALL	10-10#
045	W5GVP	11572

#	CALL	10-10#
019	G3XPO	70614

#	CALL	10-10#
018	G3XPO	70614

Digital Award

#	CALL	10-10#
081	W0RTV	13962
082	AB3S	74617
083	WD5WR	67213
084	K4JPC	74584

#	CALL	10-10#
007	W2BOC	71096
008	N6EMI	47123

County Award

#	CALL	10-10#
519	AE3Z	8367

#	CALL	10-10#
161	KD6HWD	62083

#	CALL	10-10#
039	WN4AMO	73825

Mobile Award

#	CALL	10-10#
145	KC8IM	31959

#	CALL	10-10#
71	KC8IM	31959

#	CALL	10-10#
50	KC8IM	31959

#	CALL	10-10#
42	KC8IM	31959



TEN-TEN AWARDS

NOW IS THE TIME TO
UPGRADE!!!

WE ARE AT THE
START OF THE NEXT
SUNSPOT CYCLE.

DON'T WAIT UNTIL
THE BANDS ARE
ROARING TO GET
YOUR UPGRADES IN!

AWARD MANAGERS

Bar 100-900Dan Morris, KZ3T # 410152131 Valencia Ln., Statesville, NC 28625()dbm72941mo@roadrunner.com
Bar 1000+Doris Slye, N3TGB #68129.....708 Doages Dr., Millersville, MD 21108-2132.....(410) 923-2811.....n3tgb@aol.com
VP BarCarl Fisher, W0HIK #40678.....5 Angelina Dr., Augusta, KS 67010-2262.....(316) 775-5900.....wzerohik@aol.com
VP WASCarl Fisher, W0HIK #40678.....5 Angelina Dr., Augusta, KS 67010-2262.....(316) 775-5900.....wzerohik@aol.com
VP Lucky 13...Dan Morris, KZ3T # 410152131 Valencia Ln., Statesville, NC 28625()dbm72941mo@roadrunner.com
WAC.....Randy Camron, AJ5ZX #71083.....7641 Gladiola, San Angelo, TX 76901(325) 659-2802AJ5ZX@suddenlink.net
Counties.....Brad Kimble, K0DBK #551923855 66th St. E, Inver Grove Hts, MN 55076-2222(651) 450-1173.....k0dbk@comcast.net
Countries.....Mike Davidson, N5MT #24949.....3518 Bellefontaine St., Houston, TX 77025-1310.....(713) 668-8408.....N5MT@aol.com
CW.....Lee Zalaznik, KI6OY #50948.....334 Olivina Ave., Livermore, CA 94551-6137(925) 455-0361lee.zalaznik@sbcglobal.net
DigitalMel Sojka, KD5DE #33513.....353 Atlantic Ave., Shreveport, LA 71105-2909(318) 861-7012kd5de@nwla.com
Mobile.....Ed Redwine, K5ERJ #118439 Yellowrose Lane, Augusta, KS 67010-2230(316) 775-5700.....k5erj@yahoo.com
OM/XYL.....Marcus Lieberman, KM5EH #71103...2300 Hurley Drive NW, Albuquerque, NM 87120-1013(505) 836-1724.....buckml@lobo.net
WASEva Donaldson, WB0CON #5396412933 W Montana Drive, Lakewood, CO 80228-4244(303) 989-0475wb0con@comcast.net
WPXAl Longo, NN1J #41728.....PO Box 94, Springfield, ME 04487-0094(207) 738-3268.....nn1j@midmaine.com
GB Counties...Mike Crawshaw, G4BLH #1844650 Kibble Grove, Brierfield, Nelson, Lancs, England BB9 5EW01144 1282 613754g4blh@zen.co.uk

TEN-TEN QSO PARTY RESULTS

WINTER PHONE

February 2-3, 2008

TOP TEN

CALL	10-10#	CNTCTS	PTS
01 N2EOC	37549	184/135	0503
02 KK4SZ	42519	164/107	0435
03 W5DJT	74798	166/099	0431
04 K5EWJ	08356	148/098	0394
05 K4JPC	74584	137/104	0378
06 WN4AMO	73825	132/078	0342
07 N5MT	24949	108/101	0317
08 KC4TVZ	60783	119/060	0298
09 W5TMC	74810	097/065	0259
10 KD4BVG	64773	093/051	0237

CALL AREA 0

CALL	10-10#	CNTCTS	PTS
K5ERJ	11843	074/029	0177
K0RH	69471	067/030	0164
NC0B	74875	066/027	0159
WB0GGD	03735	035/012	0082
WA6POZ	21274	032/010	0074
N0WM	02724	028/004	0060
W0VUB	00593	021/005	0047
W0RTV	13962	018/003	0039
KA0HZZ	31562	013/004	0030
KB0ARZ	48754	014/001	0029
KC0RQH	74485	011/000	0022
KC0QIE	74857	005/001	0011
KB0QCR	69096	004/000	0008
W0IE	71256	002/000	0004

CALL AREA 1

CALL	10-10#	CNTCTS	PTS
N1API	25468	044/008	0096
KE1HG	69090	038/013	0089
N1ZN	73599	027/004	0058
W1DMM	52478	021/002	0044
N1JW	08993	020/003	0043
KB1JDY	74031	016/009	0041
K1IEQ	31363	017/003	0037
KB3GWX	74600	016/002	0034
AB1BW	73773	015/002	0032
W1DYJ	65485	013/002	0028
W1SIX	35346	012/003	0027
NZ1I	72759	008/003	0019
WA1ENO	17874	009/000	0018
WB1ARU	17875	004/001	0009
KB1CIW	70631	004/000	0008

CALL AREA 2

CALL	10-10#	CNTCTS	PTS
N2EOC	37549	184/135	0503
W2IUC	07860	031/009	0071
AB0OX	72879	029/010	0068
W2VTV	71275	016/002	0034
WB2DVE	70784	014/002	0030
WA2HMM	40510	009/007	0025
AA2NA	74518	007/003	0017
WA2WUH	65581	006/001	0013

CALL AREA 3

CALL	10-10#	CNTCTS	PTS
KB3NXT	74741	051/051	0153
N3TGB	68129	026/011	0063
W3PWG	01538	011/007	0029
WB3AXP	14464	008/004	0020
WA3JXW	04377	004/000	0008
WA3YLQ	73261	002/003	0007
NA3H	30502	001/002	0004
N3TXH	68114	001/000	0002

CALL AREA 4

CALL	10-10#	CNTCTS	PTS
KK4SZ	42519	164/107	0435
K4JPC	74584	137/104	0378
WN4AMO	73825	132/078	0342
KC4TVZ	60783	119/060	0298
KD4BVG	64773	093/051	0237
K4RRF	49979	093/041	0227
KN4ZZ	57566	078/039	0195
WD4GEO	71574	063/050	0176
N4ERM	34524	067/026	0160
KU4W	20986	055/022	0132
AD4RX	67754	051/025	0127
KC4JAN	56060	045/009	0099
K4HAV	17605	041/009	0091
KU4XO	68613	040/008	0088
KJ4RV	37776	040/008	0088
K0RRP	74775	037/006	0080
KL7NL	62595	036/004	0076
KF6JG	27197	030/008	0068
N4LZ	30439	027/012	0066
WD5WR	67213	022/018	0062
KF4WER	71949	028/002	0058
WA4EEZ	15675	018/015	0051
N4EWG	29730	021/004	0046
KI4VTL	74763	021/004	0046
N4JED	49049	021/004	0046
AB3S	74617	020/004	0044
AF4QT	74651	020/001	0041
WA4JA	72743	017/006	0040
K1PJ	11497	016/004	0036
KG4KMW	74141	016/002	0034
KR4OE	62657	015/003	0033

K4BAI	45389	014/004	0032
WD4EWB	18760	014/000	0028
KK3Q	26039	013/001	0027
KK4TB	18813	013/000	0026
WA4WHV	60888	012/001	0025
KB4WC	46140	011/003	0025
W4DDR	44248	012/000	0024
N4ZCG	56067	010/003	0023
W4EHF	10256	009/002	0020
WJ5D	37215	007/000	0014
N2EGO	37582	003/003	0009
WB4GHU	74835	003/000	0006

CALL AREA 5

W5DJT	74798	166/099	0431
K5EWJ	08356	148/098	0394
N5MT	24949	108/101	0317
W5TMC	74810	097/065	0259
K5KDX	74854	091/047	0229
WS5H	74387	082/052	0216
KD5ZD	37258	076/022	0174
W5GVP	11572	069/021	0159
N5WYR	62116	064/023	0151
N5WYR	62116	064/023	0151
KE5FXE	74787	045/021	0111
W5NDK	24910	043/020	0106
K5FBS	48461	040/021	0101
N5DAS	35877	039/020	0098
KD5DE	33513	033/014	0080
KA5VVD	42188	029/015	0073
K5CC	50708	028/000	0056
N5DTT	73679	020/002	0042
KE5NDB	74738	016/004	0036
KF5LO	72289	016/000	0032
KA5EYH	70252	015/001	0031
WA5OO	68051	014/000	0028
KB5DQX	43610	009/002	0020
WD8JKV	20805	009/002	0020
WX5I	67839	009/001	0019
KE5NDN	74588	005/000	0010

CALL AREA 6

CALL	10-10#	CNTCTS	PTS
K6VMN	31623	024/012	0060
WB6OJB	70675	025/001	0051
N6XD	18637	018/014	0050
W6JNU	40127	016/000	0032
N6VOH	50925	013/003	0029
KG6BOV	69136	010/002	0022
KE6RQO	74224	010/002	0022
KB6BYI	63108	009/000	0018
KI6BQL	74607	007/002	0016
K6PCM	73365	007/000	0014
W6VNO	73546	002/001	0005

TEN-TEN QSO PARTY RESULTS

CALL AREA 7

CALL	10-10#	CNTCTS	PTS
K7CWS	50288	050/024	0124
N7YU	72571	029/011	0069
KR7RK	63324	026/007	0059
K7KTP	13326	017/005	0039
W6AEA	68082	015/007	0037
W7MC	69078	014/007	0035
AC7HI	69139	014/004	0032
K7PRZ	47633	012/006	0030
AC7MV	73719	012/005	0029
WA7RR	74424	012/002	0026
K7YAK	65689	010/006	0026
N7YG	65084	010/006	0026
W7JY	74569	010/004	0024
W7ART	69059	010/004	0024
KC7QGV	74581	010/004	0024
N7GTW	62504	009/002	0020
W0OGN	09856	004/002	0010
W7KTE	10427	002/002	0006

CALL AREA 8

CALL	10-10#	CNTCTS	PTS
KC8IM	31959	063/062	0188
W8PJY	14574	041/025	0107
KB8DDZ	74784	036/016	0088
K8FRS	74698	026/036	0088
W8JSM	00934	031/024	0086
WC8E	27415	029/007	0065
K8DEL	02978	025/010	0060
WD8MQJ	30405	020/009	0049
KC8ZTJ	74649	017/005	0039
W8NCN	74804	010/006	0026
W8KNO	71899	010/000	0020
N8KOJ	58807	007/003	0017
K8IZK	73889	002/000	0004
N8QE	55415	001/001	0003

CALL AREA 9

CALL	10-10#	CNTCTS	PTS
NA9A	31121	076/042	0194
AI9U	22277	046/022	0114
WA9LJK	70789	033/012	0078
WD9AQL	60273	034/004	0072
WB9OMC	55969	014/014	0042
KG9IL	67446	012/002	0026
N9AAI	31137	010/002	0022
WA8KAZ	72339	008/003	0019
N9ASC	28018	007/002	0016

GERMANY

CALL	10-10#	CNTCTS	PTS
DL8YBM	36109	034/021	0089
DB9DF	74506	029/002	0060

DL6DK	39944	029/002	0060
DK4QO	69087	027/005	0059
DJ2YE	68904	017/005	0039
DF3TE	69610	018/002	0038
DH1PAL	69212	018/002	0038

JAPAN

CALL	10-10#	CNTCTS	PTS
JH7RTQ	69817	001/005	0007

QRP

CALL	10-10#	CNTCTS	PTS
AD5IF	73372	015/002	0032

CLUB

CALL	10-10#	CNTCTS	PTS
NM5H	68588	108/101	0317
(OP: N5MT)			
KI4ZCB	74812	093/041	0227
(OP: K4RRF)			
W5DPA	34659	082/052	0216
(OP: WS5H)			
W1NRG	29650	044/008	0096
(OP: N1API)			
KD5BZC	42114	033/014	0080
(OP: KD5DE)			
DK0DWK	73418	018/002	0038
(OP: DH1PAL)			
DK0HHC	73417	018/002	0038
(OP: DH1PAL)			
DL0KAC	73416	018/002	0038
(OP: DH1PAL)			
K7YY	73461	015/007	0037
(OP: W6AEA)			
KK5W67832	016/004	0036	
(OP: KE5NDB)			

CHAPTERS

CHAPTER	LOGS	PTS
SHOT	11	1635
CYPRESS	8	1185
POSSUM TROT	13	0956
LONESTAR	8	0813
GOLD CITY	2	0535
NEANDERTHAL	10	0497
NORTH GEORGIA	1	0378
CASTLE CRAIG	7	0377
CATT	6	0339
CITY OF LIGHTS	3	0324
STLHB	4	0286
AZ DESERT	4	0252
GATEWAY	4	0211
CHANNEL ISLANDS	7	0202
MI ROBINS	1	0188

BATTLE ROAD	4	0187
LILAC CITY	6	0179
RED RIVER VALLEY	2	0160
BRANDING IRON	1	0073
PORTLAND 500	2	0069
CHESAPEAKE BAY	1	0063
OCEANS OF THE WORLD	1	0058
MINUTEMAN	2	0027
MILWAUKEE	1	0022
SUN COAST	1	0009
CRAZY 8'S	2	0006

CHECKLOG (thanks!)

CALL	10-10#	CNTCTS	PTS
AD5WI	74431	037/013	0087
AG0A	74905	021/005	0047
VE3CRU	00000	021/004	0046
K5RRD	74902	021/003	0045
KB3ORR	00000	014/000	0028
AG0M	34148	012/002	0026
K2VX	38775	009/000	0018
KG4ZD	00000	008/000	0016
KD5J	00000	006/000	0012
WR3F	00000	004/000	0008
WB0IWG	59356	002/001	0005

MOBILE EVENT

March 15, 2008

TOP TEN

CALL	10-10#	CNTCTS	PTS
01 WD4GEO	71574	030/007	210
02 K4RRF	49979	010/004	040
03 KK3Q	26039	009/004	036
04 K2HVE	73125	002/003	006

CALL AREA 2

K2HVE	73125	002/003	006
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CALL AREA 4

WD4GEO	71574	030/007	210
K4RRF	49979	010/004	040
KK3Q	26039	009/004	036

QRP

AD5IF	73372	006/002	012
-------	-------	---------	-----

CLUB

KI4ZCB	74812	010/004	040
(OP K4RRF)			

CHAPTER

CYPRESS	4	326
SHOT	1	012

TEN-TEN QSO PARTY RULES

6.2 10-10 QSO PARTIES

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

6.2.1 WHO IS ELIGIBLE?

QSO Parties are open to all amateurs with operating privileges on the 10 meter band, however logs will be accepted only from active members as of the date of the event. Other logs received will be handled as checklogs. Checklogs are used to validate (check) other logs but do not receive awards.

6.2.2 WHEN ARE THE QSO PARTIES?

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

Winter Phone - held on the first full weekend in February

0001 UTC Saturday through 2359 UTC Sunday.

Spring CW - held on the first full weekend in May

0001 UTC Saturday through 2359 UTC Sunday.

Spring Digital - held on the first full weekend in May

0001 UTC Saturday through 2359 UTC Sunday.

Summer Phone - held on the first full weekend in August

0001 UTC Saturday through 2359 UTC Sunday.

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

0001 UTC through 2359 UTC.

Fall CW - held on the last full weekend in October

0001 UTC Saturday through 2359 UTC Sunday.

Fall Digital - held on the last full weekend in October

0001 UTC Saturday through 2359 UTC Sunday.

6.2.3 FREQUENCY AND MODES

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

Based on the appropriate band plan for the country of the operator, CW QSO Parties should be operated in the CW area of the 10 meter band and operated using CW only. Digital QSO Parties should be operated in the digital area of the 10 meter band and operated using Digital modes only (RTTY, PSK, etc.). Phone QSO Parties must be operated in the PHONE area of the 10 meter band and may be operated using any approved Phone method (SSB, FM, AM).

The SPRINT utilizes all operating modes in the 10 meter band.

NOTE: A QUIET ZONE between 28.490 and 28.510 shall be in effect during QSO Parties using the Phone portion of the 10 meter band to allow for others to use the band.

6.2.4 ENTRY CLASSIFICATION

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

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

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

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

6.2.5 TRANSMITTER INFORMATION

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

6.2.6 EXCHANGE

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

6.2.7 QSO POINTS

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

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

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

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

A station may be counted only once regardless of mode.

6.2.8 CHAPTER SCORE ASSIGNMENT

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

6.2.9 QSO PARTY ENTRIES

Logs shall be forwarded to the QSO Party Manager as identified in the 10-10 NEWS or on the 10-10 web site. It is strongly suggested that logs be sent as soon as possible after the close of the event. It is also recommended that DX logs should be sent AIR MAIL to insure they are received in good time. Any logs received with a postmark date AFTER the deadline date will be handled as a checklog. Any logs received more than 15 days after the entry deadline, regardless of postmark, will be discarded.

6.2.9.1 ENTRY DESCRIPTION

Entries must contain a Cover Sheet, Log, and Dupe Sheet as described here:

COVER SHEET will list the Event Entered, Entry Classification, US Call Area (W0-W9) or DX Country, Chapter Score Assignment (if any), number of contacts and points with 10-10#, number of contacts and points without 10-10#, and total contacts and points claimed.

LOG must be listed in date/time order and list UTC Date, UTC Time, Call, Name, 10-10# (zero [0] if none), QTH and Contact Point Value.

DUPE SHEET is required for any logs exceeding 50 contacts. It may be either a list of all calls contacted in call sign order, or hand entered on a dupe sheet grid.

6.2.9.3 ENTRY DEADLINE

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

6.2.10 QSO PARTY RESULTS AND AWARDS

QSO Party results will be posted on the 10-10 web site about 15 days after the closing deadline for the event, and also printed in the 10-10 NEWS in the appropriate issue.

Awards will be issued by the certificate manager for Top Ten Individual scorers in the World, the top Individual scorer in each US Call Area (W0-W9) and each DX Country, and for top QRP, CLUB and CHAPTER.

6.2.11 ANNIVERSARY QSO PARTY and MEET THE VOLUNTEERS

These events run from January 1 0001 UTC to December 31 2359 UTC.

In the Anniversary QSO Party, entrants may submit a log of contacts with members that have 10-10's anniversary year contained in their membership number.

Example: 2008 is the 46th anniversary year of 10-10 International Net, Inc. Contact with members containing a "46" in their membership number (i.e., 72046, 69465, 64654, 46126, 00467) would count toward the event. Each year the anniversary number changes, making a new group of members the focus of the event and promoting the use of the 10-meter band. All general rules are applicable with the following exceptions:

During the calendar year (January 1 through December 31) make legal 10-10 contacts with 10-10 Number, Date, Call Sign, Name, QTH, with members containing the anniversary year in their membership number as described above.

In the MEET THE VOLUNTEERS event, entrants may submit a log of contacts with members listed in the 10-10 NEWS as being a 10-10 volunteer. One contact per volunteer is permitted, regardless of mode of contact.

In both events, contacts must be made on the 10-meter band with any legal mode (AM, SSB, FM, PSK, CW, etc.).

All submitted logs must contain only one entry for each 10-10 number contacted. Contacts MUST be listed in 10-10 number order and each entry must list the 10-10 Number, Date, Call Sign, Name, QTH and Mode, in that order.

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

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

6.2.12 MOBILE QSO PARTY

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

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

Operation while your vehicle is parked across a county line, occupying two counties, counts as two counties and two contacts. Marine and aeronautical mobiles must be able to establish counties of operation.

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

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

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

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

6.2.13 FOR MORE INFORMATION

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

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

T E N - T E N N E T G U I D E*as of 15 March 2008*

DAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ	DAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ
SUN	0300	0400	Chief Seattle	Seattle, WA	28630	WED	0200	0300	10 Bar X	El Paso, TX	28440
SUN	0830	0930	Borinage	Colfontaine, ON	28785	WED	0300	0400	Edmonton Area/City of Champions	Edmonton, ALB	28520
SUN	1200	1300	Elmer J Fudd Net	Berwick, PA	28340	WED	0300	0400	Chief Seattle	Seattle, WA	28630
SUN	1300	1400	GB Ten	Spalding, G	28860	WED	1200	1300	Elmer J Fudd Net	Berwick, PA	28340
SUN	1300	1400	Arlington	Arlington, VA	29200	WED	1700		Gold City	Shreveport, LA	28425
*SUN	1430		Cincinnati Area 10-10ers	Milan, IN	28960	WED	1700	1800	Channel Islands	Oxnard, CA	28340
SUN	1500	1600	Neanderthal Chapter	Leichlingen, DL	28355	WED	1900	2000	Outlaws on Ten	San Antonio, TX	28644
SUN	1630	1730	Possum Trot	Raeford, NC	28345	WED	2200	2300	Route-66	Boonville, IN	28370
SUN	1700	1800	Major League Baseball	La Mirada, CA	28380	WED	2300	2359	Michigan Robins	Southfield, MI	28493
SUN	1800	1900	Portland 500	Salem, OR	28350	WED	2300	2359	Southwest FL 10-Meter Moonshine	Port Charlotte, FL	28405
SUN	1900		Cypress	Orlando, FL	28040 CW	W/T	2359	0059	Battle Road	Mason, NH	28390
SUN	1930		North Georgia	Atlanta, GA	28610	THU	0001	0100	Egyptian Radio Club	Granite City, IL	28420
SUN	1930	2030	Steel City	Eubanks, KY	28420	THU	0001		Cradle of the Confederacy	Pike Road, AL	28350
SUN	2100	2200	Possum Trot	Raeford, NC	28150 CW	THU	0100	0200	Channel Islands	Oxnard, CA	28340
SUN	2200	2230	SO TX Lighthorse Brigade	San Antonio, TX	28345	THU	0100	0200	Gateway	St Louis, MO	28650
SUN	2300	2359	SW FL 10-Meter Moonshine Net	Port Charlotte, FL	28405	THU	0100	0200	Milwaukee	Milwaukee, WI	28365
MON	0001	0100	Chesapeake Bay	Chestertown, MD	28435	THU	0130	0230	Cowtown	Arlington, TX	28460
MON	0030	0130	Minuteman	Saugus, MA	28150 CW	THU	0230	0330	Windfarms	Livermore, CA	28485
MON	0100		Arizona Desert 10-10 Net	Phoenix, AZ	28445	THU	0300	0400	Chief Seattle	Seattle, WA	28630
MON	0100	0200	Milwaukee	Milwaukee, WI	28365	THU	1200	1300	Elmer J Fudd Net	Berwick, PA	28340
MON	0100	0200	Lonestar	Arlington, TX	28460	THU	1300	1400	GB Ten/Laurel Mancunium	Spalding, G	28870
MON	0030	0130	Palmetto	Hollywood, SC	28450	THU	2000		Branding Iron	Kemper, TX	28345
MON	0130	0230	Bauxite	Benton, AR	28470	FRI	0001	0100	Crazy Eights	McKeesport, PA	28388.88
MON	0300	0400	Chief Seattle	Seattle, WA	28630	FRI	0001	0100	Ft McHenry/Cornerstone/Yodar Kritch	Arbutus, MD	28370
MON	1200	1300	Elmer J Fudd Net	Berwick, PA	28340	FRI	0100	0200	Sky Blue Waters/Twin Cities/Tin Lizzie	Afton, MN	28380
MON	1700		Colorado Quartermaster	Widefield, CO	28120 PSK	FRI	0300	0400	Chief Seattle	Seattle, WA	28430
MON	2030		Space Coast	Elmendorf, TX	28355	FRI	1200	1300	Elmer J Fudd Net	Berwick, PA	28340
MON	2130	2200	Colorado Quartermaster	Widefield, CO	28360	FRI	1400		New Waterkant	Boern, DL	28355
MON	2100		Oceans of t World/Sun Coast RadioWeeki	Wachee, FL	28375	FRI	2230	2130	Down Under	Auckland, ZL	28530
MON	2330		Santa Fe Trail	Galesburg, IL	28380	SAT	0001	0100	MAINE-iacs	North Haven, ME	28402.5
TUE	0001	0100	Ft McHenry/Cornerstone/Yodar Kritch	Arbutus, MD	28370	SAT	0100	0200	Busy Bee	San Angelo, TX	28360
TUE	0100	0200	CO Centennial/CO Frontier Gang	Lakewood, CO	28340	SAT	0300	0400	Chief Seattle	Seattle, WA	28630
TUE	0100	0200	City of Lights	St Charles, IL	28150 CW	SAT	1200	1300	Elmer J Fudd Net	Berwick, PA	28340
TUE	0130	0230	City of Lights	St Charles, IL	28720	SAT	1330	1430	Springbok	Meadowview, VA	28385
TUE	0130	0230	Bauxite	Benton, AR	28470	SAT	1430	1530	Steamboat Plus	Shreveport, LA	28430
TUE	0130	0230	OK Route 66 Chapter	Oklahoma City, OK	28390	SAT	1500	1600	Republic of Texas	Eules, TX	28460
TUE	0200	0300	Concho Valley	San Angelo, TX	28360	SAT	1510	1610	Louisiana Pelican 10-10 Net	Baker, LA	28450
TUE	0300	0400	Chief Seattle	Seattle, WA	28430	SAT	1600	1700	City of Roses	Beaverton, OR	28835
TUE	0300	0400	Bay Area	Hayward, CA	28475	SAT	1630	1730	Boomtown	Burkburnett, TX	28402
TUE	0430		Aloha	Hilo, HI	28487	SAT	1700	1800	Lilac City	Spokane, WA	28390
TUE	1200	1300	Elmer J Fudd Net	Berwick, PA	28340	SAT	1730	1830	Tango	Buenos Aires, LU	28650
TUE	1500	1600	New Mexico Mud Ducks	Albuquerque, NM	28835	SAT	1800		Keystone/Keystone Stars	Brea, CA	28765
TUE	1800		Electric City	Melbourne, FL	28425	SAT	1900		Peshtigo Fire	Wisconsin Rapids, WI	28370
TUE	2000		Branding Iron	Kemper, TX	28345	SAT	2000		Restoration Project	Port Alberni, BC	28747
TUE	2300	2359	Fort McHenry	Arbutus, MD	28370	SAT	2200		Alii	Lihue, HI	28730
T/W	2330	0030	Republic of Texas	Eules, TX	28460	SAT	2300		Oregon Trailblazers	Lander, WY	28450
WED	0001	0100	Castle Craig	Meriden, CT	28375	(*) New or change					
WED	0030		Kansas Trails	Grove City, MN	28385	All changes to the above times and/or frequencies should be referred to the Chapter Manager if you desire accuracy of your net.					
*WED	0030	0130	All American City	Woodstock, AL	28400	Chapter Manager: K5FBS, Clifford A Taylor, 22707 Red Mountain Drive, Elmendorf, TX 78112-6034. Email: catk5fbs@aol.com or k5fbs@yahoo.com.					
WED	0030	0130	Minuteman	Saugus, MA	28409						
WED	0100		Cypress	Orlando, FL	28465						
WED	0100		Cincinnati Area Ten Tuners	Milan, IN	28800						
WED	0100	0200	Houston SHOT	Houston, TX	28488						

MEMBERSHIP INFORMATION AND SERVICES

WOULD YOU LIKE TO JOIN 10-10?

Here is what you need:

1. You must hold a valid amateur operator license.
2. Your valid amateur operator license MUST authorize or qualify you for unsupervised transmitting operations in the ten meter amateur band under your own personal call sign.
3. You must make contact with ten members of 10-10 and submit a log listing all contacts, their 10-10 number, call sign, name, date of contact, and QTH (state/province/country). A new member application and contact log is available in Section 1 on page 31 of this publication.
4. You must remit dues for one or more years full membership. Fee schedule and payment information can be found in Section 2 on page 31 of this publication.

TYPES OF MEMBERSHIPS

Please see fee schedule in Section 2 on Page 31

Primary Membership

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

Family Membership

Family membership consists of a primary member and one or more family members who qualify as a 10-10 member (has made the necessary 10 contacts) and who reside at the same location and postal address. Family memberships run concurrently with that of the primary member. Add \$5 for each additional family member for each year. Only the primary member will receive a copy of the 10-10 News.

Life Membership

Life membership is available and may be paid in one lump sum or spread across two or three years. If you wish information on the extended payment plan, please contact the 10-10 Data Manager.

Senior Life Membership

Senior life membership is available to anyone who is currently 65 years of age or older. Extended payment plan is not offered with senior life membership.

Family Life Membership is no longer available

MEMBERSHIP RENEWALS

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

DATA MANAGER SERVICES

Call/Name/Address Changes

All changes are to be sent to the 10-10 Data Manager. Please include your address label (or a copy) with necessary corrections.

10-10 Information Brochure

The 10-10 Information Brochure is 14 pages of everything you would want to know about 10-10. Available for \$2 postpaid along with a return address label.

XXIP

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

AN-TEN-TEN-NAS

AN-TEN-TEN-NAS is a book by L.B. Cebik containing 30 articles and designs for 10 meter antennas from the pages of the 10-10 NEWS. The price has been drastically reduced to \$5.00 USD or free if you renew for 3 years. You must also include the additional \$5 US or \$8 DX for shipping.

ALL THE NEWS ON CD-ROM

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

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

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

SCHOLARSHIP DONATIONS

Donations to the 10-10 Scholarship Foundation are requested from each member on an annual basis to help fund the four \$1500 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 QSO PARTY COVER SHEET

2008 EVENTS			2008 EVENTS		
	Event	Postmark		Event	Postmark
<input type="checkbox"/>	Winter Phone	Feb 2-3	<input type="checkbox"/>	Sprint	Oct 10
		Feb 18			Oct 25
<input type="checkbox"/>	Mobile	Mar 15	<input type="checkbox"/>	Fall CW.....	Oct 25-26
		Mar 31			Nov 10
<input type="checkbox"/>	Spring CW	May 3-4	<input type="checkbox"/>	Fall Digital	Oct 25-26
		May 19			Nov 10
<input type="checkbox"/>	Spring Digital	May 3-4	<input type="checkbox"/>	Anniversary (46).....	Jan 1 - Dec 31
		May 19			Jan 15
<input type="checkbox"/>	Summer Phone.....	Aug 2-3	<input type="checkbox"/>	Meet the Volunteers.....	Jan 1 - Dec 31
		Aug 18			Jan 15

Name _____ Callsign _____ 10-10# _____

Address _____

City _____ State/Province/Country _____ Zip _____

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

PLEASE LIST CONTEST EXCHANGE

Call _____ Name _____ 10-10# _____ QTH _____

<p>ENTRY TYPE</p> <p><input type="checkbox"/> INDIVIDUAL</p> <p><input type="checkbox"/> QRP 10 watts or less Phone, 5 watts or less CW/Digital</p> <p><input type="checkbox"/> CLUB Only for those operating as a Club Station. <i>If operating under a Club call, please list all operators and their 10-10 numbers (if any) on the log.</i></p>	<p>US Call Area (W0-W9) or ARRL DX Country you operated from</p>	<p><i>Claimed Score</i></p> <p>Contacts WITH 10-10 Number: _____x2= _____</p> <p>Contacts WITHOUT 10-10 Number: _____x1= _____</p> <p>Total Contacts: _____Total Pts _____</p> <p><i>NOTE: DUE TO MULTIPLIERS, THE MOBILE QSO PARTY WILL BE SCORED BY THE CONTEST MANAGER</i></p>
	<p>Chapter Assignment (not valid for Sprint)</p>	

ALL ENTRIES MUST BE MAILED

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

Mail to Steve Rasmussen NOWY, 312 N 6th Street, Plattsmouth NE 68048-1302, USA

www.ten-ten.org

www.10-10.org

electronic version of this issue at www.lingerinc.com - logon 08April - password WarmWeather (case sensitive)

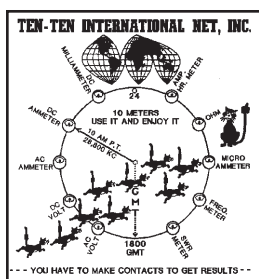
**10-10 International Net, Inc.
PMB 142
643 N 98th Street
Omaha, NE 68114-2342**

**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**

Address Services Requested



**JANUARY 2008
(WINTER)**