

Volume 38 Issue 2

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## April 2000 (SPRING)

# Communications Committee Names DL8YBM Outstanding Operator of the Quarter

Consistent with 10-10's Mission Statement, the Communications Committee is monitoring the band to identify and recognize those members that exhibit outstanding operating practices. More and more hams are finding and enjoying the 10 meter band. The result can lead to greater enjoyment of our hobby or in some cases to frustration. Enjoyment results from making new contacts or renewing old contacts and the potential frustration results from congestion and poor operating practices.

Over the past quarter the Committee has attempted to identify those operators that best exemplify the characteristics of 10-10 for promoting learning and courteous operating practices. 10-10 is fortunate to have many accomplished operators that go the extra mile to improve operations for the benefit of all users of the 10 meter band.

10-10 is pleased to issue a certificate as Outstanding Operator - 1st Quarter 2000 to Henry Ringleb, DL8YBM, #36109. Henry lives in Marl, Germany, and is an avid 10-10'er and paperchaser. In addition to his daily 10 meter operations, Henry

operates two club stations (DK0RT and DF0IA), each with its own 10-10 number. He is often heard ragchewing, passing chapter information and assisting others in completing contacts. He has been instrumental in introducing many Europeans to 10-10 International. Henry works the entire band and often can be heard assisting U.S. 10-10 members with that rare DX contact. His 10-10 contacts are always completed as legal 10-10 contacts with a full exchange of information. Henry is never to busy to meet or talk to a 10-10 member and he always makes you feel welcome. When you hear DL8YBM calling CQ, make every effort to contact him -you'll be glad you did!

The Committee will be listening again for outstanding operators. If you hear someone you feel is deserving of recognition because of their on-the-air operations let a member of the Communications Committee or Board of Directors know. It is because of the efforts and contribution of good operators with operating practices that the bond between 10-10 members will continue to grow and strengthen.

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# 10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Monday (28.380)	Dick, K6PZE #1341
Monday (28.800) "S	cotty", WA6TQC #71
Tuesday (28.380	Russ, N5EJS #1525
Tuesday (28.800)	Dirk, VP2VF #63440
Wednesday (28.380) Chris	stine, N7PVL #58018
Wednesday (28.800)Lo	ouise, N6ELK #36654
Thursday (28.380)	. Bill, AA6ZW #62075
Thursday (28.800) Ro	bert, KQ4PK #63201
Friday (28.380)	Dan, WV4Y #39409
Friday (28.800)A	lan, VE4ALN #69217
Saturday (28.380)	Bill, KB9MJ #22313
Saturday (28.800) D	
Sunday "N	EVER ON SUNDAY"

TEN-TEN INTERNATIONAL NET, INC. WILL BE HOSTING A FORUM TITLED "TEN TEN IN Y2K" AT THE DAYTON HAMVENTION ON MAY 19, 2000 AT 4:00 PM IN ROOM 2. PLEASE ALSO TAKE THE TIME TO SIGN OUR GUEST BOOK AT OUR INDOOR EXHIBIT IN SPACE 336.



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

Photographs are encouraged. Black and White <u>or</u> 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. Please mail to:

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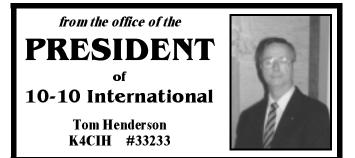
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> Award Managers Listed on Page 23

Membership Information Listed on Pages 30-31

Catch us on the WEB at http://www.ten-ten.org



We welcome spring, as it is just around the corner and with the renewal of nature I hope we too can renew our goals, thoughts and wishes. The band has not been exactly great this past winter, but it sure has been better. The winter QSO Party seems to have been a success for most. As of this writing, I have not yet seen the results but I am expecting to see that there were a good many contacts made. I know of a number of members that took time out to assist in qualifying some new members and I wish to thank them for their efforts. Our Data Manager cannot wait to open the mail, so let's cover him up with new member's applications.

Now I need to address the subject of logging programs and the award programs of 10-10. Back in 1980 when I first started in 10-10 it was necessary to do all contesting, chapter awards, 10-10 awards etc. with pen/pencil and paper. Most members had some sort of method of keeping records on 3 x 5 cards, notebooks and the like. Very few owned any semblance of a computer, maybe a radio shack "trash 80" or something similar. Of course these few members found it much simpler to add data to the database and sort it for applications for awards, following the published guidelines. Whatever programs they had, they had to modify them to suit their needs for applying for these awards. Lotus 123, Dbase and other programs were used and adapted to meet the requirements for the awards. A number of year's back KB0ON came out with a program that really made things easier and many members used the program. Limits and problems, sure, as with any new program and Don worked very hard to alleviate problems, take suggestions and modify to suit individual problems and needs. Some of us "wished" for other modifications but reality closed in and we worked around problems that could not be taken care of easily. Although, with regret, we did not list Don's program as an official 10-10 program, it was still one of the best at the time and Don tried his best to accommodate all. Yes, we have modified the awards rules, standardized some areas to eliminate the demand for less confusion, and even reduced the prices and eliminated the need in some cases for stamps. At no time have we changed what constitutes a good 10-10 contact! 10-10 Number, Call, Name, Date of Contact and QTH. There was a period when names were not used with the BAR applications, but this was a decision not made by the powers to be and was corrected when determined it was happening. The organization has progressed to the electronic mode slowly and is always keeping in mind the pencil/pen and paper members still out there. 10-10 has sanctioned Jim Hardy's WIN 10-10 as the official program for members if they wish to purchase and use it. This is entirely up to the individual. What program you use is up to you, but we cannot change the requirements to meet each individuals need. There are many programs out there that can be used to meet the criteria we publish for awards, and this is being done by many without too many problems. Change is an ongoing process and 10-10 will do it's best to keep up with the needs of the majority of the membership, keeping in mind the members who continue to do it the "old way".

Let's try to keep in mind that the purpose of 10-10 is to communicate on the 10-meter band. Number "crunching" is only one of the many methods. We have done much to have the information concerning the award programs available and easily accessible to those on the Internet as well as those who depend on "snail mail". Contacting the award managers will also bring you the format and requirements for each individual award. Follow the guidelines, it is not so difficult. I have to do it too and find no difficulty following the directions. If I desire to work toward an award I do what is necessary or suffer the consequences. I too have had submissions returned, followed the directions given and resubmitted with success. I appreciate the help from the manager and appreciate that he/she is only following guide lines. My final word on the subject is simply, that I would appreciate any of you that find a real problem, to communicate directly with me directly, or any of the board members. Airing these things out on the reflector just adds problems and makes mountains out of molehills rather than gaining solutions. You elected these officials to represent you and you need to stay in communications with them.

# IN ADDITION

2000 contacts in 2000: Why are there problems with this? The original intent was to generate activity on 10 meters and possibly create interest in 10-10 and hopefully gain a few new members. This was not intended to have people clog up a frequency with daily contacts, nor intended to take anything away from the difficult awards we do have. It is just a "FUN" undertaking to have more folks active. If 2000 contacts are made, then a simple certificate will be issued to those completing the task, not plaques as noted in the 10-10 News, as this was in error. Surely there will be some members that achieve many new contacts and numbers, if they move around instead of grouping on one frequency. It is really up to each individual how they play this game. To some died in the wool contesters it may seem frivolous, but there are many who will use this as a means of meeting new people, obtaining the 10 numbers needed to join and a good reason to just rag chew. As a member of the Board stated, "In the end, the way a member views the completed award is a matter of personal interpretation."

After much consideration the membership committee has come up with the following additional way to work the 2000 contacts. This will run concurrent with the other so check your logs back to January 1, 2000.

For those who wish to work on something more "worthwhile" as they suggest, we are also adopting a little different method of collecting 2000 contacts, and will be open to all 10-10 members with paid up dues as of December 31 2000. The rules are simple and in concert with 10-10 award rules.

1. Work 2000 different 10-10 members from January 1 2000 through December 31 2000.

2. Logs to be submitted in the following form:

a. List 10-10 numbers in ascending order with Call, Name, QTH and date of contact. QTH being state or country.

b. Hints - if you have a computer you can use MS Excel or similar program and later sort by 10-10 numbers. DUPE SHEET NOT REQUIRED!

3. As with any other QSO Party or contest, proof of dues must be submitted with log.

4. Deadline entry postmark will be 31 January 2001.

AWARDS: Wood framed certificates will be awarded to all who complete this task.

Now, what is to be gained by this - Possibly you can complete the WAS requirements, New county contacts, Worked all Countries, add more Bars, work the WPX, etc. Many possibilities for those who try. Let's all do what this is intended to do, generate activity on 10 meters. And, for those who worry about clogging up one frequency, move somewhere else, you don't have to be there! There are a good many folks out there willing to talk to you if that is what you wish. If you wish to add to the feeding frenzy on certain frequencies, then so be it. Folks, amateur radio is what you make it, not what someone else decides to do. Stay out of that trap and follow your conviction of good operating practice and friendliness to all. Don't get all caught up in what the other person is doing.

Where to send logs, etc. will be forth coming in the next issue of the News.

## **APRIL 2000**

# The Annual Tresident's Award

The board of directors approved the annual president's award in 1995. This gave the president the authority to select an individual member whom he or she felt most exemplified those qualities with which we, as an organization promote. The selection of one individual for this award in no way takes away the fine dedication and volunteer work done by many of our members in their daily pursuits for 10-10. Those receiving this award have been:

1996 - K7OMK Glen Harding #1407 1997 - W4RNL L. B. Cebik #41159 1998 - K5CC Jack Moore #50708 1999 – W6YLJ Chuck Imsande #19636

# **ANNUAL PRESIDENTS AWARD 2000**

It is my pleasure to once again present the Annual Presidents Award. This year the award goes to a most deserving and loyal member of 10-10 International Net, Inc.

In April 1972 a young man from California, Morrie Goldman W6EHM, received his 10-10 number 4189. From this point on, and for almost 28 years this gentleman has not only served 10-10 in many capacities, but has added greatly to the growth of the organization. Always willing to assist in any manner, he is to be commended for his years of loyalty and service. Morrie continues to serve 10-10 as the Historian, Scholarship Manager and station Trustee of W6OI. From all the stories I hear about this fine member and from personal communications, he is indeed a credit to 10-10 international. Will you all join me in applause to Morrie for his service (listed below) to we, the members of the worlds finest Amateur Radio Organization.

## Morrie Goldman W6EHM #4189

April 1972 – received 10-10 #4189

- May 1973 1 October. 1974 Appointed Mgr, Call areas 6,7, & 8 October 1974 – 31 December 1975 Appointed Mgr, Call area 6
- January 1975 December 1978 Elected President
- September 1975 1 April 1976 Appointed Interim Treasurer (When Jim Paine #109 W6OI became a SK)

November 1975 – Appointed Trustee W6OI 10-10 International Club Station

January 1979 – 31 December 1988 Elected Director

January 1989 – 31 December 1990 Elected Vice President

January 1991 – Appointed Scholarship Manager

April 1991 – Appointed Historian

(When Jim Michaels #10 W6PGM became a SK)

Tom Henderson, K4CIH – President

CATCH US ON THE WEB http://www.ten-ten.org



The first thing I want to say is THANK YOU for the wonderful response to my request for stories and pictures. I have received more than enough to completely fill this News and some to help out the next issue too. Please – keep them coming! It is always wonderful to look into the News and see pictures of people you have talked with.

If you think of anything you would like to see in the News, please don't hesitate to ask! In this issue you can find a list of the 10-10 U.S. membership by State on page 15 and the Chapter Net Guide on page 26. These are both in response to direct requests by you, the members.

I have a request of you – there is an award for making contact with OM-XYL teams. It is not necessary to make contact with both members at the same time, so it is nearly impossible to know if you are talking to part of a team unless they so identify themselves as such! If you are part of one of these teams or if you know of any of these teams, I would very much like to know that information. Maybe we could even list the current teams here in the News. I'll bet there are a lot of you out there who are eligible for this award who don't even know it! I personally have 18 10-10 YL contacts and have only confirmed that two of them are teams. I have no idea who the OM's are. Please e-mail me or send me a letter (e-mail and address is inside the front cover).

Well, there has been a huge change taking place in the amateur community with the new FCC changes taking place and I can see nothing but good coming the way of Ten-Ten. Test sessions all over the country have been inundated with everybody trying to take the written tests in preparation for the April 15th change. I know of many, many people who have passed written upgrades in preparation. After these are traded in for full upgrade CSCE's on or after April 15th, we should start to see a lot more activity above 28.500. Now is the time to start planning for more band utilization!

I myself took a month out and studied-studied-studied and passed my Amateur Extra written exam. That in itself will not do a lot for 10 meter operations, but it will help a lot on other bands (you mean there ARE other bands? - hihi).

There will be a lot of regular and "paper only" test sessions going on throughout the country on April 15th for those CSCE "trade-ins" and I have been notified that the Utica Shelby Emergency Communications Association in Michigan is touting itself as the first to offer amateur exams at the stroke of midnight. They will be letting hams into their VE session about an hour early, then everyone will start the countdown with WWV. They are expecting it to be a "little like New Year's Eve".

See you down the  $\log - 73$  de Steve

# 2K in 2K

# New Year Long Contest Announced by Membership Committee

by Chuck Imsande, W6YLJ #19636 Vice President and Chairman Membership Committee

As a part of the celebration of the millennium, 10-10 will have a yearlong contest as a challenge to the membership to enroll 2000 new members in the year 2000. The contest, to be known as "2K in 2K" is an automatic contest, in that there is no logs to keep, no records, to keep, absolutely nothing for the membership to do, except, get their call and 10-10 number on as many new member applications as possible.

Awards will be given to the top 10 active (paid-up) members whose call and 10-10 numbers is listed the most times on new member applications. The 10-10 Official Programmer, Jim Hardy K4HAV, has developed a program to record all numbers and calls listed on new member applications. Here are the rules, which are very simple:

## 2K in 2K 10-10 Contest

PURPOSE: To encourage 10-10 members to promote 10-10 to non 10-10 members and to have their 10-10 numbers and call listed on as many new member applications as possible.

## **RULES:**

1. Get your 10-10 number and call listed on a many new members applications as possible.

2. NO points - NO scoring - NO logs - NO record keeping by you - NOTHING to submit.

3. The scoring (or record keeping) will be accomplished by the Membership Committee

4. Only ACTIVE 10-10 members (those with paid up dues) will be eligible for the awards which will be given to the top ten calls listed on new member applications. If a non-paid up 10-10 member is listed in the top ten award winners, that non-paid up member will be skipped and the awards will be given to the top ten ACTIVE (paid-up) 10-10 members. An ACTIVE member for this contest will be a member whose dues are paid-up for the entire year of 2000.

5. An attractive plaque will be awarded to the top-listed 10-10 member. Attractive certificates will be awarded to 10-10 members listed from 2 through 10.

Now see how simple this contest is! Every new member application will be counted to determine the Call and 10-10 number that appears the most times. Pass your number to those on 10 that request information about 10-10 and be to tell them to list you as one of their 10 contacts. Watch each issue of the News and the 10-10 Column in World Radio for a listing of the top 10 in the race to win this yearlong contest.



# **NEW MEMBER CONTEST STANDINGS**

The challenge for the membership to enroll 2000 new 10-10 members in the year 2000 is off to a good start. The results for the period from January 1st through February 15th are listed below. The leader is Dirk DeJong, VP2VF #63440, of Road Town, British Virgin Islands with 33 listings. Running a close second with 29 listings is Cliff Taylor, WB4FBS #48461 of Elmendorf, TX. Tied for third place with 27 listings each are Gay Chaffin, K5GAY #11825, of Nathrop, CO and Jim Moore, KC0CMZ #70882, of Colorado Springs, CO. The others with 10 or more listings are listed below.

It is interesting to note that of the 28 listed below, 9 are DX members, almost one third. 10-10 is truly "International".

The idea of the membership challenge is to encourage non-members to join 10-10 and list their calls and 10-10 numbers on the new member application. This is also a way to encourage 10-10 members to get on 10-meters and make contacts. This new member challenge goes hand-in-hand with the 2K in Y2K (2000 contacts in the year 2000) contest wherein members making 2000 contacts with either members or non-members will receive a handsome certificate.

Following is the listing of those with 10 or more listings as of February 15, 2000:

33.       VP2VF       63440         29.       WB4FBS       48461         27.       K5GAY       11825         27.       KC0CMZ       70882         19.       WN9P       41483         19.       WA5JDU       03017         18.       VE5BCS       42027         18.       KE6DSQ       67300         17.       WV7C       22954         17.       W6YLJ       19636         16.       VO1GDX       58952         16.       KC7DH       52099         15.       W6AFA       68734         15.       VO1TX       42047         15.       KF0UR       62369         14.       LU3CT       68907         13.       6Y5DA       17404         13.       VE7NF       18689         12.       W3EHZ       39561
27.       K5GAY       11825         27.       KC0CMZ.       70882         19.       WN9P.       41483         19.       WA5JDU.       03017         18.       VE5BCS.       42027         18.       KE6DSQ       67300         17.       WV7C       22954         17.       W6YLJ       19636         16.       VO1GDX       58952         16.       KC7DH       52099         15.       W6AFA       68734         15.       VO1TX       42047         15.       KF0UR       62369         14.       LU3CT       68907         13.       6Y5DA       17404         13.       VE7NF       18689         12.       W3EHZ       39561
27.       KC0CMZ.       70882         19.       WN9P.       41483         19.       WA5JDU.       03017         18.       VE5BCS.       42027         18.       KE6DSQ       67300         17.       WV7C.       22954         17.       W6YLJ       19636         16.       VO1GDX       58952         16.       KC7DH       52099         15.       W6AFA       68734         15.       VO1TX       42047         15.       KF0UR       62369         14.       LU3CT       68907         13.       6Y5DA       17404         13.       VE7NF       18689         12.       W3EHZ       39561
19.       WN9P.       41483         19.       WA5JDU.       03017         18.       VE5BCS.       42027         18.       KE6DSQ.       67300         17.       WV7C.       22954         17.       W6YLJ.       19636         16.       VO1GDX.       58952         16.       KC7DH.       52099         15.       W6AFA.       68734         15.       VO1TX.       42047         15.       KF0UR.       62369         14.       LU3CT.       68907         13.       6Y5DA.       17404         13.       VE7NF.       18689         12.       W3EHZ.       39561
19.       WA5JDU.       03017         18.       VE5BCS.       42027         18.       KE6DSQ       67300         17.       WV7C       22954         17.       W6YLJ       19636         16.       VO1GDX       58952         16.       KC7DH       52099         15.       W6AFA       68734         15.       VO1TX       42047         15.       KF0UR       62369         14.       LU3CT       68907         13.       6Y5DA       17404         13.       VE7NF       18689         12.       W3EHZ       39561
18VE5BCS
18KE6DSQ       67300         17WV7C       22954         17W6YLJ       19636         16V01GDX       58952         16KC7DH       52099         15W6AFA       68734         15KF0UR       62369         14LU3CT       68907         136Y5DA       17404         13VE7NF       18689         12W3EHZ       39561
17.       WV7C       22954         17.       W6YLJ       19636         16.       V01GDX       58952         16.       KC7DH       52099         15.       W6AFA       68734         15.       V01TX       42047         15.       KF0UR       62369         14.       LU3CT       68907         13.       6Y5DA       17404         13.       VE7NF       18689         12.       W3EHZ       39561
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16VO1GDX       58952         16KC7DH       52099         15KC7DH       68734         15KF0UR       62369         14LU3CT       68907         136Y5DA       17404         13VE7NF       18689         12W3EHZ       39561
16KC7DH       52099         15W6AFA       68734         15KF0UR       42047         1562369       1462369         14LU3CT       68907         136Y5DA       17404         13VE7NF       18689         12W3EHZ       39561
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1166021
1158990
1062971
10
1062075

# **The International Morse Code** A Series by Martin Reid N6QU

Are you a newly licensed ham considering "getting your feet wet" in operating the International Morse Code? Thinking about upgrading and wonder the best way to learn CW? Or, maybe you're just wondering what all the fuss over the code is about. Well, if so, this article is intended for you.

Our discussion of learning the International Morse Code continues, with this, our tenth and last installment in this series.

In our last installment, we discussed abbreviations, making and ending contacts and "The DIT-DIT Game". In this, our final installment, a few important thoughts.

## **Contests**

When operating on the bands, you may occasionally run across what appears to be organized pandemonium. Multiple stations making repeated calls, with CQ's followed by "TEST" or something else, and stations exchanging numbers. This, my friends, is referred to as "contesting", a competitive and popular pursuit which provides periods of intense activity and opportunities to sharpen you operating skills.

Contests are a great opportunity for those of us with only modest stations, as the serious contest operators have great antenna systems and highly refined listening skills. Once you have polished your CW skills, you may wish to familiarize yourself with the rules of a particular contest and give it a try. If you're interested in contesting, check out the major ham publications for information on current and future contests.

If you're not interested in contesting, you may consider retreating to the Novice Bands until the "contest crowd" gets their fill and go away (most contests avoid the Novice bands). Remember, we all have our individual interests, so be tolerant of those who have as much right to use ham frequencies as you do.

# <u>QRP</u>

Particularly when calling "CQ", you will run across an unusual breed of CW operator – the QRP, or low power enthusiast. Their 5 watt or 1 watt signals will surprise you with their strength. Frequently made from kits, these low power stations are "pushing the envelope" to see how far a watt or two will go on HF. In the tradition of our early ham ancestors, these operators are working to increase their technical and operating skills and advancing the technical art. They rely on your honest and accurate signal reports. Just a bit of encouragement and patience will provide a rich reward for their hard work. Listen for QRP operators when you're on the bands. You may wish to join them.

# **Poor Operators**

You may, in the course of your activities, run across the rare CW operator who's on-the-air operating conduct is less than desirable. You may sometimes hear more experienced hams referring to these operators as "lids". Please leave comments regarding their conduct to the Amateur Auxiliary's Official Observers. Never criticize or accuse. Instead, lead by example. Always use good operating procedures and conduct.

# Logging and QSL's

Much has already been written on this subject, so just a point or two. One mark of a truly professional operator is an accurate and up-to-date logbook. Recording your conversations with signal reports and a few personal comments will serve as a pleasant reminder of the many fun contacts I'm sure you will have. Your log can also serve to provide reference information on station improvements and band conditions. Be sure to note all on-air activity, including tuning up and equipment changes. This information will be invaluable if you are ever accused of causing radio frequency interference.

QSLing may or may not be an interest of yours. Remember that many stations are working toward their Worked All States award or just decorating their shack. Our younger, new hams are particularly interested in QSL's. Even if you are not interested in collecting QSL's, please respond to those who send you cards.

## Conclusion

And now, a last word as we wrap up our series on the International Morse Code/ CW operating will provide a wealth of pleasant experiences, a steady supply of new contacts, and new friends for any ham, new or experienced. You'll be pleasantly surprised at the variety and numbers of hams who are anxious to talk to you on the Novice bands. It's not only fun, on-air CW operation will gradually increase your code speed – <u>enjoyably</u>!

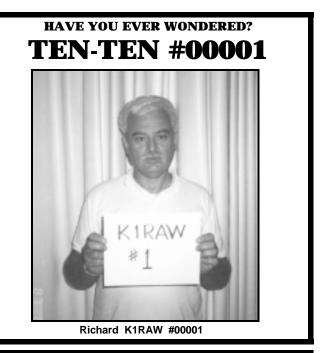
So, get your station set up, pick up a copy of Part 97, review it carefully and keep it handy. Organize your operating position, set up a few operating aids and get your log book set up. Then, jump in and join the fun! I hope to hear you on the bands!

# Acknowledgement

The author gratefully acknowledges the suggestions and contributions provided by Dave Hachadorian K6LL and Ton Langston WE5O, in the preparation of this series.

Those wishing to have the complete International Morse Code series may do so by sending a written request for information to:

Martin Reid, N6QU #28868 3521 W. 12th Ln. Yuma, AZ 85364



# LOOKIN' AHEAD TO 10-10 CONVENTION 2001

10-10 is seeking volunteers to host the biennial convention in 2001. The particulars are listed below and we ask that you communicate with, Rex Holford 916 McKenzie Ave, Council Bluffs, Iowa Phone 712-325-8219 the Convention Committee Chairman, for further details if you are interested.

Purpose: To provide a location accessible by air and car for all members desiring to attend.

## **Basic Considerations**

 $\left(1\right)$  to arrange for accommodations with proximate access to meals

- (2) to provide a large room to be used as a chapter gathering area
- (3) to provide a room for the Board of Directors meeting

(4) to provide facilities and arrange the banquet

(5) to schedule forums with moderators on subjects of interest

(6) to set up a convention registration area

### Accommodations

Contract with a hotel/motel that can provide 50 or more rooms at a reasonable (discounted) price. The location should be near a major air terminal with free or inexpensive transportation to the convention location. The hotel/motel should have a good restaurant, banquet facilities, forum/meeting rooms large enough to accommodate the membership, chapter table set up and areas for socialization.

#### **Meeting Essentials**

(a) A large room to accommodate chapter table set-ups, registration tables, committee tables and a memorabilia sales table. This will be the main area of socialization, chapter business, etc.

(b) A meeting room for forums capable of accommodating at least 60 members for the entire day, including a sound system and any other audiovisual equipment deemed necessary.

(c) An area for a hospitality/refreshment bar to be hosted by 10-10 or the hotel/motel as regulations permit; the forum room should be satisfactory. Bar set-up and snacks should be arranged.

(d) An area with a large table or desk to be used for registration. The area should be close to or just inside the entry to the chapter table setup area.

(e) A room for a Board of Directors meeting large enough to accommodate 15 members. The room should be set up in board meeting fashion: one table with chairs for 15 and space availability for snack service. Generally the Board will meet in informal session! Thursday evening and formal session all day Friday.

## **Banquet Facilities**

The area should be large enough to accommodate at least 200 members. It should have multiple round tables, if possible, with service provided by the local restaurant personnel or banquet personnel. It should include a speakers lectern, a sound system and a table or two to display prizes.

Arrangements should be made for a refreshment bar prior to and during the banquet.

Arrangements may also be made for local entertainment.

# **2001 Convention Survey**

A committee involved with planning the 2001 convention has encountered a problem that is becoming all too commonplace. High room rates, and high banquet costs.

We need your input if we are to continue holding quality 10-10 conventions in the future.

Please help us by taking the time to give the following questions some careful thought and then send your responses to K7QXG or K0NO.

K7QXG	K0NO
Bob Peschka	Rex Holford
2580 SW 195th	916 McKenzie Av
Aloha, OR 97006	Council Bluffs, IA 51503-1028
k7qxg@pcez.com	k0no@earthlink.net

1. How much are you willing to pay for a room? \$75, 85, 95, 100? More? Remember, these figures represent the rates in 2001, not today's prices.

2. How much are you willing to pay for the banquet dinner?3. How far are you willing to travel to reach the convention site?

4. Do you travel by auto, train, or plane? RV?

5. FOR OR AGAINST: Obtain a meeting location, but allow everyone to select and arrange their own hotel accommodation at a rate they can afford.

6. Which geographical areas do you favor for future conventions?

7. Should 10-10 cease holding conventions and rely upon smaller meetings in various sections of the country to perpetuate the interest in our organization?

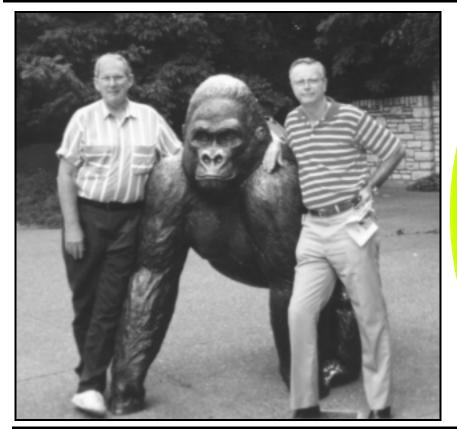
8. Would you attend the convention if it were held in March, April or October when the hotel rates are cheaper?

Please give this your sincere consideration. Most of the convention attendees are retirees on pensions and fixed income and we must give them the utmost consideration in planning future 10-10 events.





Because our Web Site is one of the most visible 10-10 locales, many members send e-mail requests for name, call, and address changes, as well as membership status inquiries, to the tenten-l coordinator. The coordinator must then forward them to the Data Manager. All matters pertaining to membership then are best sent directly to the Data Manager (wa6poz@aol.com) to avoid delays. (DX members should send information to the DX Manager.)



Be careful.... Be vewwwy carefull Here are Hugh Sullivan WA4QZU #23166 President's Advisory Board (left) and Tom Henderson K4CIH #33233 President (right) being escorted around the St. Louis home of the TEN-TEN COMPLAINT MANAGER (center)

# A Challenge for Y2K with a Year Long Y2K QSO Party

Here is a challenge for all 10-10 members. Make 1500, 1600, 1700, 1800, 1900 or 2000 contacts during the year and receive a handsome certificate for your effort. The rules are simple! Make 2000 contacts with a 10-10 member or with a non-10-10 member. ALL contacts count. NO points, just contacts. 2000 total contacts during the Y2K. And here is the one of the best rules. You can make repeat contacts with the same station any time during the year, but not within the same 24-hour period.

The whole idea of this year long party is to make new 10-10 friends and maybe encourage some non-members to become interested in 10-10 and join our organization.

Making 2000 contacts in 365 days will not be easy you say. Right you are. 2000 contacts are at least 5 contacts per day, almost 40 contacts per week, more than 167 contacts per month. That's a lot of 10-meter activity, but remember we have 5 QSO Parties a year. If your work all 5 QSO Parties only, that's only 400 contacts per QSO Party. Oh, you only work the three SSB QSO Parties, then make at least 667 contacts during each SSB Party.

Logging? That's simple too! All that is required for you log is: Contact Number, 0001-2000, Date, Call, 10-10 Number (Log a 0 - zero- for contacts without a 10-10 number).

NO dupe sheets required. A paper log form will be available for download from the 10-10 web site, www.tenten.org. A computer log is also acceptable as long as it follows the format noted for the paper log. Those members using the WIN1010 logging program, will be able to download a file to provide the necessary Y2K log from contacts entered into your WIN1010 program. How simple can it get? Hold all logs until after the Y2K Party is completed (2400 31 December 2000). Information will be published in the News and announced on the web as to where to send your logs.

Read the rules, and get ready for the Y2K QSO Party. **PURPOSE**: To keep the 10 meter band occupied and make 2000 10 meter contacts during the calendar year 2000.

# RULES:

1. Contacts must be on 10 meters – any mode (SSB, CW, FM, etc.) 2. One contact per 24-hour period with the same call sign. Same call signs may be worked once each 24-hour (0000-2400Z). Maximum number of same call signs in log is 365 (one per 24-hour period).

3. Both 10-10 members and non 10-10 members count as a contact.

4. NO points – NO scoring - just 2000 contacts.

5. Contacts made during scheduled 10-10 QSO Parties may be used.

6. Log the following information:

a. Contact number (0001 to 2000)

c. Call

d. 10-10 # (Log a 0 –"zero" for a contact without a 10-10 number)

A paper log form is available on the 10-10 web site for download.

A computer log is acceptable providing it follows the above format.

7. Hold all logs until the after the Y2K QSO Party is finished (2400 31 December 2000). Information will be published in the 10-10 News as to where to send your logs.

8. QSL Confirmation of contacts NOT required, however, final judgment as to valid contacts may be determined by the Review Committee. Check logs will be used to determine valid contacts and the Review Committee, may at their discretion, ask for supporting data for any contacts claimed. The Review Committee shall be the final judge in determining valid contacts and their decision will be final.

9. Certificates will be awarded to those who successfully make 1500, 1600, 1700, 1800, 1900 and 2000 valid contacts. Awards will be made only to ACTIVE (current paid-up) 10-10 members.

**SPECIAL AWARD:** Contact 2000 *different* 10-10 members during the year and receive a very nice wood framed certificate.

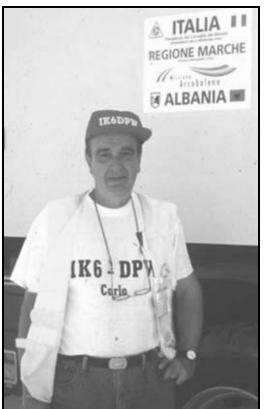
b. Date

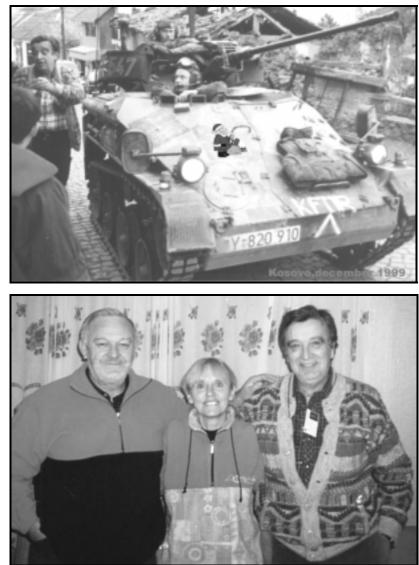
## **APRIL** 2000

## **10-10 INTERNATIONAL NEWS**

# Carlo IK6DPW #47482

sends us these pictures of himself in Valona, Albania (below), Kosovo at Christmas time (right) and with Marco IK5BHN and Elvira IV3FSG #54292 in Skopje, Macedonia (lower right)





# **EVER BEEN ON A SUBMARINE???**

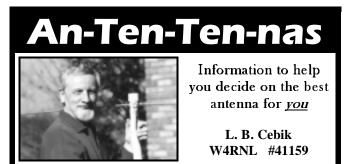
Last issue we published a article on the USS Torsk NK3ST #70745. A copy of that article was passed on to Jim Flanders W0OOG, the publisher of the Submarine Veterans Amateur Radio newsletter "Tubes Forward" which goes out to about 225 subvet amateur operators. He requested permission to use the article, and also asked us to pass on this invitation to Ten-Ten members. – editor

This April 29th and 30th we will have about 55 submarines or memorials to lost submarines on-the-air world wide. The ten meter frequencies will be 28.043 cw and 28.343 ssb +/- 40kc. Your ten-ten members are invited to either work these submarines or join the teams operating on these submarines. Especially mine, the U.S. Cavalla in Galveston TX. Here is a list of the most active subs. Lionfish in Fall River, Mass., Growler in NYC., Ling in Hackensack NJ, Becuna in Philadelphia, Torsk in Bal'mr, Clamagore in Savanna, Requin in Pittsburgh, Nautilus in New London, CT, Albacore in Portsmouth, NH, Cod in Cleveland Silversides in Muskegan, MI, Cobia in Manowitoc, WI, U-505 in Chicago, Marlin in Omaha, NE, Drum in Mobile, Cavalla in Galveston, Pampanito in San Francisco, Blueback in Portland, OR. Then active memorials to lost boats are: Grayback in Denver, Wahoo in Wahoo,NE, Seawolf at the Battleship Texas in Houston. I give a perpetual certificate out to those who work at least four boats and then a stamp for each additional boat. No time limit.

For more info, contact:

Jim Flanders W0OOG 1539 California Trail Plano, TX 75023-4300 972-517-8481 http://www.flash.net/~jflandrs jaf@sprintmail.com

## APRIL 2000

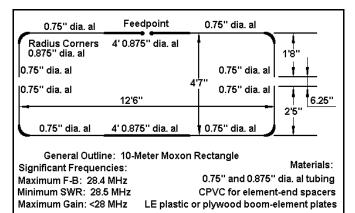


In each issue of the *News*, we shall try to clarify a significant cluster of ideas used in antenna work. Our object is to help you make the best decisions about the antennas you buy or build without imposing our own prejudices on you. The more you understand, the better your choices will be.

### No. 27: A Compact Aluminum Moxon Rectangle

I often receive inquiries from folks who cannot quite support the width of a 10-meter Yagi (either 2 or 3 elements) because obstructions give them less than the 16.5' needed. Is there an antenna with decent performance that will fit in a space about 12-13' wide? If it can be home built to save money and require no fancy tuning or matching system, so much the better.

In fact, there is an antenna that fits this category almost perfectly. Imagine an antenna with the gain of a 2-element Yagi (6 dBi), the front-to-back ratio of a 3-element Yagi (>20 dB from 28.3 to 28.5 MHz), and an SWR of below 2:1 from one end of 10 to the other. In fact, imagine that the antenna has better than 15 dB front-to-back ratio all the way down to 28 MHz and still has about 12 dB front-to-back ratio at 29.7 MHz. (All figures are free space modeling estimates.) Imagine also that the antenna can be directly connected to 50-ohm coax with no matching system whatsoever (even though I always recommend a 1:1 choke balun). Imagine also that you can make it yourself from hardware store materials, that it will weigh about 10-15 pounds including the boom, and that you can make it in your garage with no special tools. Imagine also that when it is done, you will still have change from a \$50 bill.



The antenna is the Moxon rectangle. Past versions that I built using wire elements required lots of PVC to support them. However, if we translate the antenna into hardware store aluminum tubing, we can build a 1-boom version. Now peek at the sketch of the pieces. Some 7/8" and 3/4" diameter aluminum tubing form the main elements, with 3/4" tubing for the side elements. The corners can use radius-bent tubing or be squared by making some corner supports from L-stock. The combination of 7/8" and 3/4" aluminum tubing lets you telescope the ends into the center for a precise fit or a center frequency adjustment.

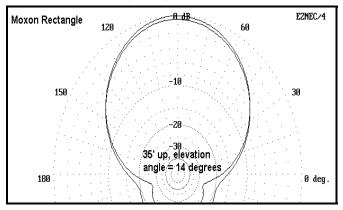
Since the end spacing and alignment is critical to make the

antenna give its full performance, you can slide a piece of CPVC or similar lightweight, durable tubing either inside the ends or over the ends and lock them in place with sheet metal screws. The rigid spacer is also a good idea to limit the twisting force placed on the curved or right-angle corners. Sheet metal screws also connect the 3/4" and 7/8" tubing together. Be sure that all hardware screws are stainless steel.

For element-to-boom plates, you can use any durable material. Spar varnished 3/8" plywood or 1/4" LE plastic make good plates. About 3" by 9" (or longer) plates give ample room to U-bolt the elements to the plate and have room for U-bolts that go over the mast. As with all good antenna structure, let the elements hang under the boom. What boom? Well, almost anything, from 1-1/4" nominal diameter PVC to a good grade of aluminum tubing (thicker-wall than the usual 0.55" hardware store variety) to a 5' length of spar varnished 1.25" diameter closet rod. Make up a boom-to-mast plate similar to the boom-to-element plates, only a bit more square, and you are in business.

The dimensions of the antenna in the drawing are too fussy, being direct translations of the computer model used to generate the antenna. Just try to keep the dimensions within about 1/4" of the drawing, and no one will be able to tell any difference in performance. Squaring the corners or missing the dimensions by a half inch will shift the performance centers by about 100 kHz at most. In most cases, you will not be aware of any difference at all.

Note that the antenna is just about 12.5' wide and under 5' front-to-back, for a turning radius of about 6'8" or so. Strapped up on the side of the house, the antenna is unlikely to overhang the neighbor's yard line. The antenna is light enough for hand rotating, but an old TV rotator might come in handy. Because of the antenna's characteristics, you may not need to rotate it much.



The pattern figure shows the optimal front-to-back ratio in azimuth patterns 20' and 35' antenna heights. Note the very broad forward lobe that is almost a cardioid, giving reception and transmission as wide as your peripheral vision. Behind you is silence--or at least a large dose of silencing. Les Moxon, G6XN, uses a wire version of the antenna with both elements remotely tuned: that way he works the world just by electrically reversing front and rear elements with a fixed mounting. If you want to learn more about the Moxon rectangle, find the Spring, 1995, issue of *Communications Quarterly*, and look at pages 55-70.

It is unlikely that anyone will ever produce this beam commercially, since it is a monobander without the super gain that avid DXers and contesters crave. You can only get that kind of performance from many Yagi elements. However, you can build your own compact antenna with a pretty good chance of success on the first try. It will beat a fixed wire dipole or a vertical hands down. So if you need a compact 10-meter beam for your compact home site, then you might roll your own version of the aluminum Moxon rectangle.

For further details on the construction of this antenna, see *The ARRL Antenna Compendium*, Vol. 6, pp. 10-13.

# **Annual School Roundup 2000**

by Keith Poplasky and Tomas Hood NW7US #56526

"Brinnon School, I hear you loud and clear here at the Johnson Space Center!" This is one of many such reports the students of the Brinnon School fifth and sixth grade class received while making Amateur Radio contacts with people around the world. For one week, these students participated in the annual Amateur Radio School Roundup, 2000. Guam, Argentina and many schools around the United States answered the call from Brinnon, Washington.

The School Club Roundup is an event where students use amateur radio to contact other students and amateur radio operators in the U.S. and around the world. This annual event is sponsored by the Council for the Advancement of Amateur Radio in the New York City Schools, the American Radio Relay League, and the ARRL Hudson Division Education Task Force. It gives students the chance to get on the air and experience the fun of Amateur Radio, and the educational benefits of the technical radio service.

"Where is Guam?" the students asked, racing over to the large map of the World, after making contact on 10 meters with an Amateur Radio operator located so far away. Each contact became an excellent opportunity for the students to learn about their country and the World. And many contacts were lengthy conversations allowing the students to speak with other students across America, or engineers, teachers, and others. As each contact was made, the excitement grew. By the end of the week, many students expressed the desire to start a local radio club and to learn more about public service and the technical aspects of Amateur Radio.

Tomas Hood, who's callsign is NW7US (10x-56526), and the class' teacher, Ron Wright, W7ERY, teamed up to prepare the students to participate in this year's School Club Roundup. NW7US was the callsign used to represent the Brinnon School. For this event the students learned basic electronic theory, radio operation theory, radio protocol (How to speak and conduct one's self properly on the radio.), geography, and how to log (make record of) radio contacts. Tomas came into the classroom several times during the weeks prior to the event to give students hands on training, and related instruction.

At first the students were not sure whether they would like learning about radio. However, after the first couple days most were eager to learn more and could be heard calling, "CQ!" (Amateur Radio shorthand for "Seek You") when they wanted to speak to their teachers and friends.

During the event the students spoke to more than ten other schools as well as the Johnson Space Center and the USS Lexington. During the contact with the Johnson Space Center, the students discussed the Space Shuttle, careers, and science with an engineer who took time to encourage the students to be diligent in their studies and in the pursuit of their goals.

10 meters was the primary band used. The first part of the week was rough, however, due to the Coronal Mass Ejection and the Solar Wind that caused an active and stormy Geomagnetic Field. But conditions improved nicely by the last part of the week. Many 10-10 members were contacted, and the support from 10-10 members was appreciated.

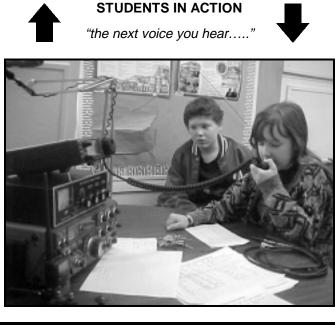
After participating in the School Club Roundup, some of the students are talking about starting a radio club at the school. The equipment used was provided by NW7US, and included the Cushcraft AP8 vertical multiband HF antenna, and both a Kenwood TS-830S and an Icom IC-706MKIIG.

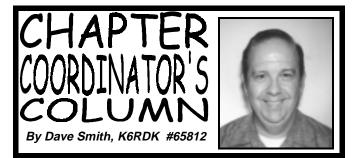
Tomas is a local Amateur Radio operator and computer programmer whose two sons attend Brinnon School. They moved to the Brinnon, Washington area last summer from Seattle, and enjoy living here.



Tomas Hood NW7US #56526 showing one of the students how to correctly enter a contact into the log.







## Reinstated: River City/Cameilla Capital

**Reports Due This Quarter:** 59/62, Battleroad, Eagle Watch/Wildflower, Edmonton Area 10-10ers, GB Ten, Great Lakes, Laurel Mancunium, Michiana, Oceans of the World/Suncoast/Roundtable, Peach State Intl., Peshtigo Fire, Screaming Eagles, South Texas Lighthorse Brig, Twin Cities, Westward Ho

**Reports Past Due:** Branding Iron & Bi 2, City of Lights, Concho Valley, Dollchaser, Down Under, Milwaukee, Muletown, Twin Tiers/Chenango Canal \*\* Sky Blue Waters/Tin Lizzey

#### In Extremis: Old Dominion

No Longer Affiliated: Delaware Valley, Imperial Dragon, Keystone and Keystone Stars

**REMINDER** - To remain affiliated with  $1\emptyset$ - $1\emptyset$  International, all chapters must fill a chapter report at least once each year. This information is used to update the  $1\emptyset$ - $1\emptyset$  Awards guide and the monthly Guide updates. We don't want the membership wasting their time and money on a chapter that is no longer active. If the name of your chapter appears above, please advise the Chapter Coordinator if there has been a change in status of the chapter.

### **Chapter News:**

**Boomtown** – The CH, Ed Neal N5EBA is now an IQ for Boomtown. At this time he will be the only one. Ed now accepts email upgrades at *edneal@wf.net* 

**Brooklyn Bridge** – CH change, Jeanette, N2EZL is now the Chapter Head of the Brooklyn Bridge Chapter. She has taken the reins from Bob, NY2M who has been under pressure from work and other Amateur related duties and after a long run of building the Chapter and running the Nets has decided to step down. All members of Brooklyn Bridge want to thank him for all the work he has done for the Chapter and for Amateur Radio. Bob will still maintain his Website and allow the Chapter to share it and will still be checking into our Nets.

Email Upgrades are now accepted by K2BIL *k2bil@qsl.net*. New Certificate Members and Snail mail Upgrades are being handled by Jeanette, N2EZL. There is a Quarterly "**Famous Brooklynite Personality**" Special you have to find and each one found and when worked is worth 25 points each per Quarter. Details are available the CM. New point structure is 10 points per 1,000 collected up to 1,000,000 points collected. 5 points per 1,000 points collected after you have collected 1,000,000 or more points. Our collectable Seals are Worked All Brooklyn (WAB), Worked All Call Areas (WACA), Anniv, 10K, 20K, 30K each collectable one time only @ 2pts each with a cap of 150 on each seal.

**Castle Craig** accepts email upgrades for *Seal of Meriden*, *Flag of CT* and *Castle Craig Plus* program. The *Basic Certificate* and the *Constution State Certificate* are available by mail only.

**Chesapeake Bay** – Basic Certificates-Requests for basic numbers and the certificate should be sent to: Cindy Ham, N3TF CM Basic Award, at 5829 Main St, Rock Hall, MD 21661.

Lighthouse Certificate Upgrades Lighthouse upgrades should be addressed to Dave Kalb, N2TDT CM Lighthouse Certificate, at 1209 Biddle Pl, Baltimore, MD 21228.

All other upgrades continue to go to Phil Harich, W3CBC at 1034 Old Bay Ridge Rd, Annapolis, MD 21403.

The summer CBC Fishing Special will start on 01 June and end on

30 Aug. This will now become a yearly event.

For those finishing the *Lighthouse Certificate*, the next certificate is the *Fish of the Bay*. Continue collecting points towards buying one of three fishing boats, each with their own specials. Further info is available for a SASE to W3CBC.

**City of Melbourne** – *Work Melbourne Landmarks* special will run from  $1^{st}$  June to  $31^{st}$  July 2000. The object is to work different **City of Melbourne** landmarks, which will have a point value of 5, 10, 15, or 25 points each. Submit Call, Com#, and Landmark with point value, that is all that is needed. Results to be sent to VK3AFM by the Aug  $31^{st}$ , by snail mail.

**City of Roses** – Effective as of Feb 23<sup>rd</sup>, the *Regal* and *Noble* certificates will no longer be available due to lack of interest and point values that gone way beyond what the original program intended. The only certificate that will be issued is the basic.

The *WAS* program is still in effect. Collectable numbers will be *WAS* numbers and Visitor numbers. Points and contacts will remain the same as in the past.

Refer to the City of Roses web site http://www.qsl.net/cityofroses for further information or contact the CM.

**Coffee Cup** – Starting March 1<sup>st</sup> 2000 upgrades will be accepted via snail mail to: Donald (Buck) Saunders, KA5LQJ, 559 Lake Rd, Waskom, TX 75692-4045 or email: *coffeecup@qsl.net*. Due to Buck's primary job workload 24 hour "turn@rounds" will not be possible but every effort will be made to get them out in a timely manner. The *Brew Master* and *Lil' Drop* specials will resume in March.

Coffee Cup is running combined nets with Red River Valley (Steamboat) on  $28.365 \pm 5$ khz on Tuesday @ 2300 UTC and on Saturday on  $28.365 \pm 5$ khz @ 1500 UTC.

**Cradle of Confederacy** – The 2000 Jeff Davis birthday event will run from 0001Z June 1 to 2359Z Jun. 8, 2000. Contact with any Cradle of Confederacy Charter, Local Charter or Local Member (C, LC or L) is an instant qualifier for the C of C numbered certificate. Call frequency 28.350 Mhz. Send QSL information with \$2.00 to K40ZN, 2141 Edinburgh Drive, Montgomery AL 36116-1313. Event QSL card not available.

**Cypress** – New certificate, **25/2000**; Work 25 Cypress members and 2000 10-10 contacts and receive a certificate. Send the completed logs to the CM WA2YZM. For more info visit the Cypress web page at *www.qsl.net/cfcc* 

**Electric City** – Special, Start Date 0001 Z, 1 January 2000, ending date 2400Z, June 30 2000. *NO RETROACTIVE* contacts. Entries must be received before 2400Z July 8 2000. You must be a member of the Electric City Chapter. 50 Point will be added to your total if complete. Points will be given for partial applications. You should have at least 33 contacts and NO dupes.

- 1. Contact 5 different HK's (Call, EC#, and HK#)
- 2. Contact 5 different Visitors (Call, EC# and Visitor #)
- 3. Contact 5 different WAS (Call, EC# and answer with Y for WAS),
- 4. Contact 5 Club Stations (Call, and EC#)

5. Using only the 1st letter of the Electric City members call, spell *ELECTRIC CITY*. Call, Date and EC#.

6. Make a contact with Electric City #'s 1000 or 1010. Remember, NO DUPES.

**Flying Tigers** – At the time of this writing, we are just sending out the  $3^{rd}$  part of our 4 part special. That would be *The Battle of Midway*: The last part (Part 4) will go out the  $2^{rd}$  or  $3^{rd}$  week of April and should be a lot of fun. When you complete all 4 parts, you will receive a collectable seal. The value (in points) will be announced in May 2000. The special has been going great with a lot of participation from the members.

I hope you are all having fun with the chapter and thanks to all of you for your continued support. Al

**Laurel Mancunium** – The Chapter has decided to reduce the qualifications for the *Emperor Upgrade* on the basic certificate from 50 contacts down to 30 in order that stations can get over the first hurdle for the *V.I.P. Millennium Certificate* and perhaps be ready when that is launched 10/10/2000.

Lindbergh – As you probably have heard by now John Hartos, WB2ZSW the CH of Lindbergh Chapter has become a SK. As of this date I have heard (*Continued on page 13*)

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## **10-10 INTERNATIONAL NEWS**

(Continued from page 12)

nothing about Lindbergh continuing on as a chapter, so if anyone is going to pick it up I would appreciate hearing about it by the next issue of the News or it will have to be declared QRT.

Mont Ventoux Chapter – The CH/CM has a new address, 57 Impasse Des Lauriers Roses, 83340 Le Cannet Des Maures, France

**Peshtigo Fire Chapter** – has finished the new web page, it has all the info needed to join as well as an upgrade URL for those wishing to use it for email or snail mail. *http://members.itol.com/~w9bli/peshtigo.htm* email address for CM will stay the same.

**Springbok** – Effective as of the  $1^{st}$  of March the net will be moving from 28.425 to 28.385 Mhz at 1600 UTC.

Spring Special – 1. This Special will run from April 1<sup>st</sup> 2000 to June 30<sup>th</sup> 2000 UTC.

2. No contacts on 28.425 or 28.345 Mhz.

3. Contacts must be made either 10 above or 10 below 28.425 or 28.345 Mhz.

4. Contacts will not be allowed on the 10-10 nets even if ask for.

We are just trying to cut down on the MADhouse effects on these 2 Frequencies. More on the Special will be put out this month.

**USS Jurassic Certificate** – *USS JURASSIC*, a Correspondence Chapter of STARFLEET, the International STAR TREK Fan Association, is offering a certificate for working the Chapter's two Amateur Radio Stations, **K8SSJ** and **VE7SSJ**. Contacts may be on any band, or even on different bands--e.g. You may work **VE7SSJ** on 10 meters and **K8SSJ** on 40 meters, if desired.

To obtain the certificate, fill out one QSL card for each station, and send, along with an 20 X 27.5 cm (8 X 11) SASE or SAE & IRC to either Carolyn Donner N8ST, Box 158, Hamersville Ohio 45130 USA, or Garry Cameron, VE7ACM, 3528 11th Avenue, Port Alberni BC V9Y 4Y7 Canada.

*Restoration Project* members who obtain the certificate by working *both* stations on 10 meters will receive a 25-point upgrade. The certificate will not be numbered or collectible for points, but working certificate holders will be one requirement of a forthcoming worksheet.

For those who are looking for nets to check into there is a net listing available on the 10-10 web site (*http://listserv.lehigh.edu/lists/tenten-l/*), which I update as the reports or changes come in. Also there is a list of affiliated chapters on the site as well. For those who do not have web access or would like a printed copy, all it takes is a SASE to me and one unit for the Net List, two units for the Chapter List and three for both. There is also available an Awards Guide in printed form from NØDBK, Brad Kimble for \$6.00 US (\$8.00 DX) which lists the affiliated chapters and their basic requirements for membership, CH/CM addresses and net time(s). As a supplement to the Awards Guide is the monthly Update which is available from me on a yearly subscription basis for \$10.00 US (\$12.00 DX). It contains more up to date changes and chapter announcements.

On the subject of Quarterly Reports, there is now an on line version of the form which makes filing easier for those who have web access. Once the generic form is filed I will make up a form for the specific chapter with the default information fields populated. If there are any changes just make them and let me know in the comments section. Email me for the URL.

#### List of chapters that accept Email upgrades. (Current as of Ø1 Mar ØØ)

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. To be added to, deleted from, or make changes to the following list of e-mail upgraders must be made in writing or e-mail communication between the Certificate Manager and the Chapter Coordinator.

\*Bay Area – CM AC6FU, ac6fu@arrl.net (Bay of Bridges)
All others to K6RDK, k6rdk@SMRN.com
\*Boontown – CM N5EBA, edneal@wf.net
Bounty Hunters & Outlaws on Ten – CM WD5EDR, billheb@swbell.net
Branding Iron – CM KA5VVD, Branding@vvm.com

Branding Iron II – CM N5XJD, n5xjd@seacove.net Broken Hearts – CM K4CIH, k4cih@earthlink.net

\*Brooklyn Bridge – CM K2BIL, k2bil@qsl.net

\*Castle Craig - CM N1API, n1api@home.com

\*Coffee Cup – CM KA5LQJ, coffeecup@qsl.net

 $Colorado\ Frontier\ Gang-CM\ WB \\ \ensuremath{\emptyset} CON,\ wb \\ 0 con \\ \ensuremath{@} home.com$ 

Dollchasers – CM KA5OVO, ka5ovo@aol.com

Down Under – CM ZL1KQ, via zl3jd@xtra.co.nz

Eagle Watch I & II (including Wildflower & American Wildlife) – CM KC4SDU, kc4sdu@localaccess.net

Electric City – CM WA2OIZ, wa2oiz@brevard.net

Flying Tigers - CM NN1J, nn1j@ici.net

Fort M<sup>c</sup>Henry (including Cornerstone & Yondar Kritch) – CM K3TUJ, k3tuj@juno.com

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

Golden Bear (including Hangtown Crossing, Reno Folly & Mother Lode) – CM KB6AN, kb6an@msn.com

Great Lakes - CM WA8OXS, wa8oxs1@juno.com

Great Smoky Mountains – CM W4RNL/N4TZP, cebik@utkvx.utcc.utk.edu French Broad and Holston programs should be submitted via US Mail.

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

Kansas Trails - CM KB6UPG, kb6upg@willmar.com

Lake Geneva - CM W4KM, w4km@riconnect.com

Laurel Mancunium – CM G3RRM, g3rrm@breathemail.net

Liars2 and Metro Chapter - CM WB2SJQ, wb2sjq@aol.com

\*Mississippi Lighthouse – CM N5LBZ, stuartac@earthlink.net all applications for certificates and upgrades are requested to be sent via email if possible. See my web page for further info at http://home.earthlink.net/~stuartac Muletown – CM N8JQJ, sprins@columbia.total-web.net - submit previous, new, and total points collected and contacts. Seal upgrades continue to be handled by the CM via US Mail.

Neanderthal - CM DL2KG, dl2kg@qsl.net

Oceans of the World - CM KA4RVZ, ka4rvz@quadra.net

Old Ironsides – CM W1MXI, w1mxi@juno.com

**Peshtigo Fire** – CM W9BLI, w9bli@itol.com - points and seals upgrade submit total, new, and previous also need total contacts for chapter

Portland 5ØØ - CM W6NCK, portland5ØØ@qsl.net

Portland Bridges - CM K7PRZ, k7prz@earthlink.net

Restoration Project/Feline Friends – CM VE7ACM, VE7ACM@RAC.CA Route-66 – CM KA9ADD, ka9add@juno.com

\*Samuel Clemens & King Arthur's Court – CM WB1HJC, wb1hjc@arrl. net

Santa Fe Trail - CM KBØON, kb0on@hoosierlink.net

**Sky Blue Waters/Tin Lizzie** – CM WBØRCC, cedwards@isd.net in addition to old, new and total points. Submit total contacts, basic number(s) with current point value, 1Ø-1Ø number with date of expiration.

**South Texas Lighthorse Brigade** – CM N5DAS, n5das@juno.com old, new and total points, total contacts, and date of issue of original certificate.

Steel City - CM KE9WZ, ke9wz@megsinet.net

Suncoast Chapter – CM W4TQL, w4tql@aol.com Twin Cities – CM WA4KUP, wa4kup@aol.com

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

These addresses are as current as the information you provide me. If there are any additions, corrections or deletions this list please contact the Chapter Coordinator, K6RDK David P Smith via Email: k6rdk@SMRN.com.

I must have my report in to the editor of the 'News' no later than the first 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 my hands by the  $20^{th}$  of February, May, August and November. Often chapter or special information is received too late to make the issue on a timely basis. The column for the January issue for instance must be submitted to the editor around the  $1^{st}$  of December. So if your special is to run  $1^{st}$  through  $31^{st}$  December, it should be in my hands prior to  $20^{th}$  August to be in the October issue, as the following issue of the 'News' will not be out until January

after your special is over. Chapter information is printed on a space available basis; sometimes not all information received can be printed. Deadline for the next issue is 20<sup>th</sup> May.







March 3, 2000 Myanmar 10-10 Country No. 293?

A DXpedition by Sally KM5EP #65064, Milt N5IA #8469, Cliff KD6XH #4427, Rich K7ZV #8840, Dan A7DB #21616, Luis XE1L #18056 plus other nonmember, operated from Thahtay Kyun Island off Myanmar. This is the old Burma in Zone 26 Southeast Asia. The call XZ0A was used for the first time, a new 10-10 Country, a new IOTA, a new prefix and a total of 79,784 contacts. The operation started on January 13<sup>th</sup> and ended February 6<sup>th</sup> after making 12,489 contacts on ten meters. Twenty four operators had several stations running with amplifiers and full size antennas on all bands. Several of the 1010 members used other calls from the mainland after leaving the island. They were XZ1DX (Dan), XZ1YL (Sally), XZ1L (Luis), XZ1ZZ (Rich). I hope some of you were lucky on ten.

Operating conditions to the west coast of the USA was average starting at two hours before their sundown. Propagation into the middle to east coast of the USA was very poor especially where I live in Texas! I heard them about four times but good enough to get into my log for an all time new one on ten! Myanmar is about half way around the word from Texas so their sunrise is our sunset. Until the solar flux went up toward the end of their stay, we could not hear them in Texas. Propagation on ten would last from 15 to 60 minutes on ten. Direct QSLs go to: XZ0A QSL Request, Bob Myers, W1XT, 37875 North 10th Street, Phoenix, AZ 85086 USA. More details at the web site: <u>http://getnet.com/</u> ~k7wx/myanmar.htm.

**FO/C, Clipperton Island**. This multinational expedition got started on schedule on March1 and they will be there eight days. The only 1010 member is Mark **ON4WW** #49103, who unfortunately prefers the low bands. This island gets activated about once every ten years so good luck. QSLs via N7CQQ, POBox 31553, Laughlin, Nevada 89028. Web pages: http://www.qsl.net/clipperton2000

**3W6DK Vietnam** by Mike **N00DK** #67566 was active during December 1999. Most of his contacts on ten were JA's and Russians and no 1010 activity was reported. Mike told me propagation to the US was very hard and he will return for another visit.

**Mali** by Larry **TZ6VV** #28997, closes his log with 75,000 QSOs after 13 years of operating. "I spent the last few days taking down the antennas and packing the radios. We will leave Segou on Feb. 24 and Bamako on March 26<sup>th</sup>. I have all the logs with me. QSL is via KB0VV, 3850 Willomet Ave., Fort Worth, TX 76133. As it stands now, we will be in the states from April thru August. It looks like we will have another overseas assignment in an area with better living conditions, better local medical facilities and no malaria. Most likely, it will be in a CEPT country. We will leave at least one vertical, probably one hf beam and the six meter beam in Bamako for the radio club or local hams. We've

enjoyed our 14 years in Mali and being rare DX. It's been fun being the first TZ on WARC bands, Top Band and six meters. Best 73s, Larry and Trish." Email to: <u>kb0vv@qsl.net.</u>

**V7, Marshall Islands** by Bruce AC4G #49089 was active as V73CW and V7G in contests. He will be going QRT March 9<sup>th</sup>. QSL via Bruce Smith, 1056 Old Railroad Bed Road, Taft, TN 38488.

**ZL New Zealand** by Bob W7TSQ #35684, left Fiji (where he operated as 3D2SQ) on February 16th and travels to New Zealand. Here he operated using either ZL/W7TSQ or ZL2SQ. Bob will be in New Zealand until March 2 when he leaves for Indonesia. Their Bob hopes to reactivate his old callsign, YB3ASQ and be active until March 26<sup>th</sup>.

**UP0/UN7 Kazakhstan** by Willy **UN7FK/UP0F** #50479 and Harry **UN7FZ/UP6F** #45850 will be active in the DX contest March 4-5. (Editor. I worked Willy UP0F long-path over the south pole for a new prefix at 0335UTC on 28533.)

## New DX Members.

A new member from Jordan is **JY4NE** #71018 Ali Yashbruit, POB 9392, Amman, Jordan 11191. QSL to Dianna KB6NAN, POB 911, Pescadero, CA 94060-0911. She requests that you write his number on the QSL when you get the card.

## Upcoming DX & New 10-10 Activity:

**FR5/G Glorioso Island**. Larry **F5PYI** #54226 and several others, may be active in August 2000. Glorioso will be a new 10-10 country!

**EA8/DK1EAW** Bon #70807 will be in the Canary Islands May 16-29 including the WPX contest. In July, he will be using the call R9/DK1EAW in Asiatic Russia. In October he will be in Malta as 9H3AAW. "I read nice things in the TenX Newsletter, members on expedition and so on. Would like to mention what I am doing to EA8, UA9 and 9H, and I hope everything is going fine with you." 73 Bon

**MM, Scotland** by Leo **W3LEO** #48035, will again be active from February 29<sup>th</sup> through March 17<sup>th</sup>. He will use the callsign MM/W3LEO. He will use an Icom 706, into an R-5 vertical. NOTE: In Scotland it is your callsign preceded by "MM/" not "GM/" and there is no number after the prefix.

**FH Mayotte** by Chris, 6W1QV (ex-**TR8SA** #45817), will be active as FH/TU5AX from January for five months. QSL via F5OGL.

**PY2, Brazil** by Gerard, **F2JD** #63443 (ex-HK3JBR, HP1XBI) has now received the callsign PY2ZDX. He will be there two more months.

**7X** Algeria by **7X4AN** Mohamed Boukhiar, POBox 30133, Barcelona, 08080, Spain. This box is used to forward mail to Algeria. Note: IRC's are not valid in Algeria so you must use US dollars.

**4S, Sri Lanka**. By Mario, **HB9BRM** #30935, will use the call 4S7BRG in March for three months. Activity will be on all bands with 100 watts.

**V2, Antigua** by Bill **W4WX** #62600, was active from February 22-29<sup>th</sup> as V2/W4WX.

## **Propagation:**

Solar flux will range from 140-250 during the second

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quarter of 2000. On March 1<sup>st</sup>, the **Solar flux was 233 the A index 7 and K index 2,** which is an increase in the flux number from last quarter. There will be a 110 point swing in the flux numbers during the next three months as the season's change. It takes 4.5 years for the cycle to go up and 6.6 years to come down for a total of 11.1 years. Cycle 23 is now 27 months old, the flux continues to climb upwards and we have entered into a new Phase of this cycle. These next three years will be the best propagation, with the exception of the summer months when propagation changes for us in the USA. Last year, I predicted we would be hearing Europe and we have heard them every day since October 8<sup>th</sup>!

**Expect the best conditions on March 1-3, March 29-April 2, April 29-May 1 & 27-30, June 25-30!** For stations in the Eastern USA, expect a 95% chance of DX to the East-West path into Europe or Africa. For stations in the Western USA, expect 80% chance of DX into Europe and a 95% chance into Asia. All of the USA will get a 75% chance into S. America in the mid afternoon. Long haul F Layer skip continues to be the dominant mode of skip. Expect a 5% chance of Long Path into Asia starting at 00 UTC for central USA. The beacons (**28.175-28.300**) will tell you what is open, especially 28.200. A record number of beacons have been reported the past few months.

### IOTA:

**8P Barbados**. Dean, **8P6SH** #45815, will be active as 8P2K for the all major contests, until December 31<sup>st</sup>. Will **AA4NC** #15774 and Jim **K4MA** #23837 will be operating again from here as 8P9JB and 8P9JA, respectively, between February 15-22.

**NP2, U.S. Virgin Islands** by Dennis, **K7BV** #5414 the new trustee for the WP2Z station, was on St. Croix in February doing antenna repair work due to hurricane damage. He signing NP2/K7BV and in contests used WP2Z. All QSLs via KU9C. **NP2.** Fred **K4FMD** #68441 (ex.KU4DC) is active as K4UP/KP2 from St. Johns, IOTA NA-106, until March 5.

**HK Columbia** by Pedro, **HK3JJH/4** #47437, stated he was activated a new IOTA in February. **CE0Z, Juan Fernandez** to Robinson Crusoe Island from February 17-29<sup>th</sup>. The callsign was CE0ZY. Falk **DK7YY** #23467 who activated T20FW, 3D2DK, ZL7DK, P29VXX & S21XX in recent years, was the only member in a group. Direct to DK7YY at: P.O. Box 700343, 10323 Berlin, Germany.

**VK9C/VK9X Cocos-Keeling & Christmas Islands**. Joe **DF6IC #50022**, was active from these two islands in the Indian Ocean from February 5-16<sup>th</sup>, with the callsign VK9CP and from February 16-26<sup>th</sup>, on Christmas Island signing VK9XU.

**FM**, **Martinique** by Daniel **F5LGQ** #64684 will be signing FM/F5LGQ from March 18<sup>th</sup> to April 1<sup>st</sup>. QSL via F5JOT. **J7**, **Dominica**. Daniel will be here after Martinique from March 24-26<sup>th</sup>. He hopes to use the call J79LGQ.

### New DX members this Winter.

December 99: DL1KDW 71010, G0IUE 71011, MI0CBH 71012. January: VE2LHP 71013, G0GZS 71014, VE4GE 71015, 4Z5GV 71016, VY1MB 71017, JY4NE 71018. February 2000. EI9HQ 71019, DJ1MH 71020, DL4VBS 71021, VE2PIJ 71022, VE5BK 71023, 4F4IX (Philippines) 71024, YC9BU 71300, M0CQO 71301, VE3MOW 71302, OK2BBI 71303, M0COV 71304, VE3DIJ 71305, VE7WYE 71306, GM0GLH 71307, FB1BON 71308, VE3VNE 71309 and G0CAM 71310. DX member's data is from Carol **K8DHK** #29588.

**10-10 Countries Award**: 130 Countries: Mike **W3BSY** #48096 Cert.# 15; 115 Countries: Lad **W1CRL** #8528 Cert.# 26; 90 Countries: Ed **WD8MQJ** #30405 Cert.# 42; 75 Countries: O.B. **WA8YQR** #12544 Cert.# 76 and 65 Countries: Bob **W5UFA** #23660 Cert.# 111.

**10-10 Bar Awards:** Neldo **LU5HE** #10334 for 6200 Bar #54; Henry **DL8YBM** #36109 for 4100 Bar #127; Evillo **KH6DRT** #33751 for 2600 Bar #351.

The 10-10 DX Net on 28.555 is on Sunday at 1400Z. N5MT is Net Control in Texas and there is a need for an US East Coast station to help out with check-ins from Europe.

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

> 73 Mike Davidson N5MT #24949 Copyright 1999 by N5MT ...-.-

# 10-10 Membership by State – U.S.

Note these are US members so GU – Guam, AS – American Samoa, VI – Virgin Islands, MP – Mid-Pacific Island Group.

Paid-Up Members						Al	l Other Mem	ibers	
AL102	ID39	MS54	OR 151	WV 58	AL 1043	ID - 212	MS - 382	OR863	WV326
AL23	IL347	MT34	PA 263	WY 26	AL - 235	IL 2157	MT - 202	PA -2047	WY148
AR84	IN121	NC217	RI 34	PR 22	AR - 481	IN 1036	NC 1467	RI286	PR188
AZ177	KS100	ND21	SC 107	VI 2	AZ - 992	KS - 610	ND - 159	SC706	VI15
CA830	КҮ91	NE61	SD 17	DC 4	CA 5793	КҮ - 693	NE - 352	SD156	DC45
CO115	LA90	NH49	TN 133	AA 0	CO - 997	LA - 730	NH - 429	TN -1134	AA2
CT149	MA155	NJ183	TX 519	AP 2	СТ - 938	MA 1408	NJ 1325	TX -3394	AP3
DE20	MD162	NM58	UT 29	AE 5	DE - 159	MD 1111	NM - 324	UT240	AE8
FL374	ME56	NV48	VA 192	GU 1	FL 3020	ME - 341	NV - 260	VA -1281	GU8
GA136	MI215	NY325	VT 34	AS 0	GA 1223	MI 1740	NY 2325	VT164	AS2
ні 35	MN112	ОН317	WA 218	MP 0	HI - 181	MN 1280	ОН 2305	WA -1235	MP2
IA69	MO164	ОК73	WI 137		IA - 573	MO 1142	OK - 621	WI831	
Oth	er - 0	Total -	7160		Oth	er - 7	Total -	51337	
Please note in the "All Other Members" group there are 7 Others – some don't have states, no street addresses, calls not in FCC database, a couple have CZ – Canal Zone.									

# INFORMATION AND HELP ON THE U.L.S.

by John Miller WØIKT #37983

- The vast majority of hams have not yet registered in the FCC ULS, which opened for business on August 16, 1999.
- You can't renew your ticket until you have a valid registration on file in the FCC ULS, regardless of whether done by computer or paper.
- You will need Netscape Navigator 4.08 with 128-bit encryption to register on the FCC's ULS site. You may download at 4.08 at http:// home.netscape.com/download/. There is a high probability that Microsoft Internet Explorer may not be suitable for registration.
- For the FCC Universal Licensing System (ULS) registration the URL is: http://www.fcc.gov/wtb/uls. Go there soon and thoroughly read the material. Download and print, "Accessing the FCC Network using Windows 95/98" which you will need to establish your dial-up network to the FCC.
- If you don't have a computer you can order the paper forms from the FCC Forms Distribution Center at 1-800-418-3676. To register, you'll need one copy of FCC Form 606 and FCC Form PR5000 Number 206-U. The later is a fact sheet with information you will need.
- Once registered, you will need a paper FCC Form 605 to do the actual filing to renew, or modify your license. It is also available at 1-800-418-3676.
- No use of FCC Form 610 is permitted by individuals after February 16, 2000 when that form became history.
- If you go the paper route, allow weeks and weeks for the FCC to process paper forms.
- Electronic registration by computer is much faster.
- A computer at a public access point, such as a public library, can be used for registration, provided the software in available.
- A friend with a computer can do your registration process, providing you are willing to give your friend the required information.
- You will be required to provide your name, address, city and state, ZIP, fax number, telephone number and Social Security Number. There are no exceptions. The fax, telephone and SSN are not made public.
- When your computer registration is complete you will have completed the equivalent of FCC Form 606.
- General information can be obtained from the FCC Call Center (tollfree) at 1-888-225-5322.

Apparently the vast majority of hams are not ULS-ready. The FCC estimated, in November 1999, that only three percent of hams that could and should register for ULS were registered. If you have not yet registered, the following information should be helpful.

The FCC opened its Universal Licensing System (ULS) to hams on August 16, 1999. On that day the FCC provided that FCC Form 610 could, if a Social Security Number (SSN) was written at the top of that form, be used for an additional six months. That six-month grace period expired on February 16, 2000. The FCC will no longer accept individual ham applications for renewal, modification, original licenses, or any other purpose on FCC Form 610. The only allowed use of the 610 relates to a trustee of a club station, and it isn't clear how much longer that use will be allowed.

You must immediately register with the FCC's ULS, or you won't be able to renew or modify your present license. There are no exceptions!

The ULS has been set up within the Wireless Telecommunications Bureau (WTB) of the FCC. The WTB oversees issuance of licenses to Ship, Aircraft, Amateur, Restricted and Commercial, and General Mobile Radio Services. Instead of several bureaus with several staffs of people all duplicating each others work by asking all the licensees in the WTB for their name, address, city, state, ZIP and other information, it's now on the ULS computer for use by all in the WTB who need it.

You must first of all register in the ULS before ANY application before the FCC will consider any application. That means until you are registered, you can't renew, or modify your existing ham license. If you never register, your ticket will never be renewed, and will eventually expire.

You register either by using new paper forms, or by computer. If you use paper forms, be prepared to wait the number of weeks it takes the FCC to process paper forms. Things go much faster if you use computer, either your own or one at a public access location, such as a library. Also, a friend can perform your registration on the friend's computer, if you are willing to provide the required information.

If you don't have a computer, or don't have access to a computer, or don't wish to have a friend do your registration by computer, call the FCC's Forms Distribution Center (1-800-418-3676). Ask for a copy of FCC Form 606 and a copy of FCC Form PR5000 Number 206-U. The 206-U is some necessary information you need to complete the 606, including the mail and fax address to which your form must be sent.

Does your SSN have to be used when registering with the ULS? Yes, absolutely! The Debt Collection Improvement Act of 1996 requires all Federal agencies to collect Taxpayer Identification Numbers (TIN) from all persons doing business with the agency. This includes all applicants for and recipients of a license. For most of us, our TIN is our SSN. Your SSN will not be available to the public. The ULS uses your SSN as a unique identifier. Your SSN and a password are needed to access ULS for electronic application filing.

Is personal information, such as your telephone number, required to be listed? Yes. You'll be required to provide your name, mailing address, fax number, phone number and any call sign for which you are licensed, regardless of radio service. The fax and phone numbers will not be available to the public. The FCC is authorized by the Communications Act of 1934, as amended, to collect the personal information requested by the ULS.

If you use a computer and the Internet, be aware that any browser other than Netscape Navigator 4.08 with 128-bit (strong) encryption probably won't work. The ULS was written around that browser, and it probably has nothing to do with Justice and current pending litigation. Strong, or 128-bit encryption, is required for online banking or trading and for many other interfaces. Maybe, in time, Microsoft Internet Explorer may be allowed, but it probably won't work now. Are you confusing Netscape Navigator 4.08 with Netscape Communicator 4.7 or later? Don't do that. Navigator 4.08 is a stand-alone browser. Communicator is a comprehensive software package, which includes the Navigator 4.08 browser for the Internet and lots of other Netscape products, none of which you need for ULS registration. Go to the Netscape Internet site at http://home.netscape.com/download/ for additional information.

If you use a computer and the Internet, go to http://www.fcc.gov/ wtb/uls. There you will find a great deal of useful information, as well as a button to proceed with your ULS registration. By reading, you will learn that you can register on the Internet at the above FCC site, but your actual application filing cannot be done on the Internet. Only by accessing the FCC's dial-up network can you currently do the actual filing. It is highly recommended that you download and print the specific instructions you view when you press the button, "Accessing the FCC Network Using Windows 95/98."

Once you attempt the registration process, the results typically will be either a rejection because of something you did incorrectly, a success, or sometimes even a partial success. In case of the later, you may well want to call the ULS Technical Support team at 202-414-1250, just to see whether all your data was received correctly, regardless of the indication on your monitor. These technicians appear to be well prepared to be of assistance.

General questions, of a non-technical nature about the process can be directed to the FCC Call Center at (toll-free) 1-888-225-5322.

When your registration is complete you will have complete FCC Form 606. You now are ready to do a filing via the FCC dial-up network. Understand, however, that you, as always, must not attempt a renewal until you inside of the 90-days that precede your current expiration date. Attempt to file for renewal outside of the 90 days will result in your application being dismissed and no action taken.

# How I got interested in paperchasing

submitted by Robert Snary G40BE #58905

The front cover of the autumn 10-10 news prompted this short piece which may be of interest to other members. The reason is that the montage of photographs allowed me to put faces to many people that I have worked..

My 10-x number dates back from the last Sunspot maximum and although I started to work members towards my VP, I found it rather hard going and I didn't find out much information about the different chapters and my interest waned and I found other activities which took up more and more of my time. 10 remained one of my favourite bands particularly for county hunting, and I gave my 10-x number if asked.

The rekindling of interest started just after the start of 1999 when I heard Steve KC4LOR calling for 10-x and Springbok (SCI) so I called him to give him the 10-x number and I asked what exactly was SCI. Steve patiently explained and persuaded me to renew my membership of 10-10 and also apply for membership of the Springbok chapter which was made easier as Peter G4YNO is the CM for Europe.

After joining SCI and receiving a very nice certificate I found that the paperchasing bug had bit. I then started working and making regular contacts "across the pond". After making the start with the Springboks I met up with Phil W3CBC (CH Chesapeake Bay Chapter) and also Bob N3NOP (Ch of Elmer J. Fudd) and Ken K1IEQ (CH Battle Road) who all made me very welcome and invited me to join there chapters and others . The band activity sadly died down with the summer doldrums and instead of forgetting the activity I spent some time during the summer doing paperwork and waiting for the band to reopen.

The Autumn of 99 also saw me make my first visit to the States when I took a much promised trip to New England, and although I took the trip as a coach tour (after all the steering wheel is on the wrong side of the car for me), I regret that in the hurry to clear my desk I left Bob W1MXI's (CH Old Ironsides) phone number in the UK as he provided me with a lot of help and advice before my visit of places to see and visit in the Boston Area. In fact I should say that my biggest mistake was not to have booked a complete month in the States as when I spoke to people



afterwards all I seemed to get was why didn't you look me up or phone me and we could have met. I hope to rectify this in March when I will visit Boston again and meet up with some of the Battle Road Chapter members at the Old North Bridge. Since coming back I have started some of the specials and this has given me an additional challenge which I enjoy.

The other things I get involved with in the hobby are teaching for the UK Novice License which is a practically based course and I am the UK Novice Training Coordinator for the RSGB as well as a news reader. I also feel that it's necessary to get the next generation of amateurs into the hobby and rather than sending you a photo of me at my station I have put in a photo taken at a local rally where I had a stall where youngster could come up and build a simple lie detector kit under supervision and they could learn how to solder. It showed one thing, that given the right incentive, the hobby and construction side can get interest amongst youngsters.

I would like to thank all the members that I have worked on air for their friendliness and all the contacts made in the past and also look forward to many more contacts in the future.

73 de Robert g4obe@arrl.net



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1999 was a great year for check-ins, with close to 12,000 total. November was the busiest month, with 1,894. Thanks to all of our loyal members, and a hearty welcome to all of our new members. We sure appreciate your dedication and loyalty.

Lately, we have been experiencing some busy frequencies at net time. Our policy is to ask the stations working on the frequency if they can QSY for the net. We always try to explain that we have scheduled nets on the frequency, and would appreciate their cooperation. If they cannot, or do not want to QSY, then it our policy to move up or down a minimum of 5, so as not to interfere with those stations. I have personally heard some of our members comment that they don't feel that we should have to move, since we have advertised scheduled nets on those frequencies. Just a reminder, we do not own any frequencies, even if we advertise a net on a specific frequency. If you find a net frequency busy when you try to check in, and the stations working are obviously not participating in the net, look up or down from the assigned frequency. Unless there is a contest going on, you will undoubtedly find the net there. Congratulations to Bill, KB9MJ, #22313. Bill is our Saturday NCS on 28.380, and he has the distinction of calling the first net of the Millenium. While he didn't have a lot of stations check in, due to Saturday being the first, he did a great job. Thanks to all who took the time to check in on New Years day.

As always, I want to acknowledge the excellent job all of our net controllers are doing. I also recognize the outstanding job that many of our members do in providing relays and assistance to our net controllers. I wish I could mention each and every one, but that would take up more space than we have room for in this column. Also, thanks to Pete, NX5T, #1522, and Brian, KC7OC, #67668, for their help calling nets when our regular net controllers were unavailable.

On Saturday, February 19, I took the net for Don, KB6QLC, #42822, as Don had some personal business to take care of. What a nice surprise to hear a check in from KB0WHY. Yes, our excellent editor of the News was checking in. Steve, #68684 made several good contacts, and received many compliments on the outstanding job he has done with the News. It is always nice to hear our officers participate in the nets, and we certainly hope to hear them more often.

Last August, we implemented a CW net on 28.1010. Tom, K6TV, #30896 agreed to call the net for us. Unfortunately, we have cancelled this net due to the fact that there were very few stations participating. Tom had an average of three stations checking in, and that included him. We started this net because several of our members wanted to know why there was so little CW activity on 10m. Maybe we will try this net again in the future.

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

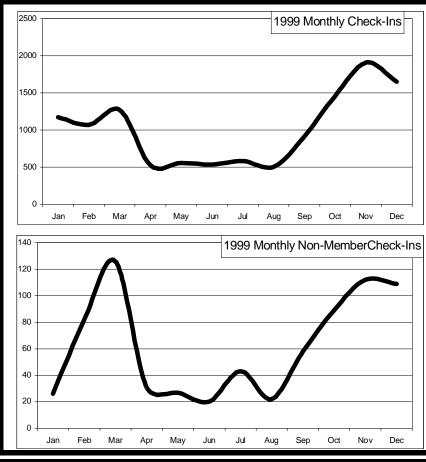


**LEFT:** ALAN, VE4ALN #69217 in Winnepeg, MB Canada at his club station VE4WSC Winnepeg Sr Citizens RC #50470. Alan is net control on Fridays on 28.800. **RIGHT:** Deja Vu? Yes – this is the original picture we used to personalize our Net Manager's *NEWS* article. Bill AA6ZW #62075 is caught here calling net at his home in California.

# **QUARTERLY NET REPORT**

**OCTOBER, NOVEMBER and DECEMBER 1999** 

	28.380			28.800		:	28.380		:	28.800			28.380		:	28.800	
		MOND	AYNETS				W	EDNES	DAY NETS	5				FRIDA	Y NETS		
		w/o			w/o			w/o			w/o			w/o			w/o
DATE	TOTAL	10x#	DATE	FOTAL	10x#	DATE	FOTAL	10x#	DATE	ΓΟΤΑL	10x#	DATE	FOTAL	10x#	DATE	ΓΟΤΑL	10x#
10-04	22	0	10-04	30	0	10-06	50	7	10-06	27	0	10-01	30	7	10-01	13	2
10-11	34	0	10-11	35	0	10-13	41	4	10-13	25	0	10-08	25	2	10-08	14	1
10-18	17	0	10-18	35	0	10-20	39	3	10-20	24	0	10-15	27	1	10-15	15	0
10-25	24	0	10-25	39	0	10-27	41	6	10-27	37	0	10-22	21	1	10-22	1	0
11-01	35	0	11-01	37	0	11-03	50	7	11-03	31	0	10-29	24	3	10-29	28	0
11-08	44	0	11-08	42	0	11-10	27	1	11-10	41	0	11-05	30	4	10-05	39	2
11-15	33	0	11-15	27	0	11-17	51	9	11-17	37	0	11-12	25	2	11-12	42	1
11-22	4	0	11-22	45	0	11-24	29	5	11-24	51	0	11-19	27	4	11-19	39	1
11-29	35	0	11-29	40	0	12-01	37	4	12-01	29	0	11-26	14	3	11-26	43	0
12-06	35	0	12-06	44	0	12-08	31	4	12-08	21	0	12-03	32	4	12-03	24	0
12-13	40	0	12-13	39	0	12-15	30	4	12-15	28	0	12-10	26	2	12-10	40	3
12-20	24	0	12-20	38	0	12-22	35	5	12-22	31	1	12-17	26	2	12-17	39	5
12-27	18	1	12-27	36	0	12-29	30	2	12-29	20	0	12-24	1	0	12-24	35	2
												12-31	15	4	12-31	28	0
		TUESL	DAY NETS						DAY NETS								
10-05	35	4	10-05	35	2	10-07	60	14	10-07	24	0				DAY NETS		
10-12	21	2	10-12	27	2	10-14	42	4	10-14	33	0	10-02	17	0	10-02	23	0
10-19	32	4	10-19	27	0	10-21	21	1	10-21	35	0	10-09	13	2	10-09	25	1
10-26	28	2	10-26	29	0	10-28	47	5	10-28	32	0	10-16	28	4	10-16	29	0
11-02	46	6	11-02	27	1	11-04	52	4	11-04	36	1	10-23	8	0	10-23	26	0
11-09	47	3	11-09	28	1	11-11	75	14	11-11	39	3	10-30	6	1	10-30	30	2
11-16	18	2	11-16	25	0	11-18	42	2	11-18	55	3	11-06	34	2	11-06	31	1
11-23	40	4	11-23	33	0	11-25	42	5	11-25	31	1	11-13	44	2	11-13	33	0
11-30	25	4	11-30	28	0	12-02	46	6	12-02	35	1	11-20	30	0	11-20	39	1
12-07	44	5	12-07	20	0	12-09	54	5	12-09	48	7	11-27	33	1	11-27	25	2
12-14	38	5	12-14	34	2	12-16	45	3	12-16	29	2	12-04	27	2	12-04	68	8
12-21	35	2	12-21	9	1	12-23	17	0	12-23	32	4	12-11	24	0	12-11	1	0
12-28	40	6	12-28	1	0	12-30	41	4	12-30	25	0	12-18	29	1	12-18	36	4
												12-25	1	0	12-25	10	0



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10-04 10-11 10-18

10-25 11-01

11-08 11-15 11-22

11-29 12-06

12-13 12-20 12-27 MONDAY CW NET-28.1010





Twenty years ago, the Winter 1980 *Bulletin* (now the *10-10 International News*) featured Dex Anderson, HB9BRQ/K3KWJ (now W4KM) on the front page. Here are some excerpts from the editorial by Charles F. Albrecht, Jr., WA0YNQ (now N0CKW) #8105:

"Our cover person this Quarter is DEX ANDERSON -HB9BRQ/K3KWJ #6271 (Operator of 4U1ITU #11111) currently serving with the U.S. State Department in Geneva, Switzerland. Licensed as W2YLN in New Jersey back in 1948, but inactive from '49 to '69, Dex got back into Ham Radio as K3KWJ in Washington D.C. and into 10-10 in 1972. He was instrumental in getting 10-10 numbers for club stations: W3DOS #5958; NN3SI #13100; 4U1UN #22222; and W4SWP/HB #25959. The latter was operated by members of the U.S. Delegation to WARC '79." The Winter 1980 Bulletin also included an article by Dex HB9BRQ and Ted HB90P who were planning a 10-10 chapter in Geneva. Here are excerpts from their article:

"The chapter net might operate on c.w. in the U.S. novice segment, say at 28,150 MHz. Apartment-bound Dex, HB9BRQ/K3KWJ, is basically able to work North America on c.w. only, and the struggle to finish off 500 contacts for his VP number made him painfully aware of how few c.w. stations on ten meters would have 10-

X numbers. Operation in the novice portion of the band would hopefully help propagandize the 10-X movement among novices (and technicians) and as a bonus would impact the low end of the band where the threat of intrusion is the greatest.

...If the Geneva chapter ever becomes a reality, its net will have the distinction of encompassing, ham-wise, three 'countries.' The French border runs close to the city of Geneva and 4U1ITU counts as a separate country for DXCC purposes. We would hope to have 4U1ITU, HB9 stations, and F stations as charter members—all within easy groundwave distance of one another."

May the year 2000 be wonderful for all our 10-10 members. Occasional great band openings would also be appreciated!

# 10-10 Scholarship Applicant Information

Each year the 10-10 International Net funds five \$1,000 scholarships, which are awarded by the Foundation for Amateur Radio (FAR).

Applicants must be Radio Amateurs holding a license with HF privileges or an *equivalent* foreign authorization. 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 in the United States. Those seeking graduate degrees are also eligible.

Every 10-10 member is encouraged to endorse qualified candidates who may request an application package by letter or QSL card after January 1 but prior to April 30 from:

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

Applicants, except those who are active 10-10 members, must provide a written recommendation from a current, active 10-10 member (one whose dues are paid current). Applications must be signed and received by FAR prior to June 1.



# W6OI #109 on the Air

Louise Chapman, N6ELK #36654, has volunteered to be the 10-10 Net Control Operator for W6OI #109. This will make each Wednesday beginning at 1800Z on 28.800 MHz a very special event. Please include a SASE when requesting a W6OI QSL card via N6ELK, 3210 Clark Ave., Long Beach, CA 90808.

The 10-10 Club Station, W6OI #109, is available to any current (dues paid) 10-10 member or chapter for use as a special event station, Field Day station, etc. Send a written application, including dates of operation, purpose of operation and any other information to: Morrie Goldman, W6EHM #4189, W6OI License Trustee, 21518 Marjorie Avenue, Torrance, CA 90503-6418. Enclose a photocopy of your amateur license.

# 12th Annual Hill Country Picnic

The 12th Annual Hill Country Picnic is fast approaching. It will be on Sunday June 4, 2000 at the home of K5CC. The Picnic is an opportunity to visit in person as well as work Ten-Ten members. Several club stations will be operating and a net will be held.

Everyone interested in ten-ten is welcome as well as family and friends. Please consider visiting the beautiful Hill Country. For information contact Jack K5CC #50708, Bill WD5EDR #23693, or Ray N5DAS #35877.

# HONOR ROLL SCHOLARSHIP FUND VOLUNTEERS

We received donations from the following Scholarship Fund Volunteers during the previous quarter:

01538 37983	W3PWG W0IKT	Rolland E. Madara John R. Miller
44474	K9KVZ	John W. McMahan
50356	KM5FF	Eddie Bryant
56860	KA3WWG	Mary Jane Herrington
68855	KE6DRN	Chuck Thompson
69183	N6WTH	David S. Humphrey
*	KA0RBB	Bonnie Rinehart

\* Bonnie Rinehart KA0RBB (no 10-10 number) made a donation in memory of her husband, Charles R. Rinehart KC0UK. In the January 10-10 News, Raymond A. Coffey, N0BZM #34967 is also listed as a Scholarship Fund Volunteer with his donation in memory of Charles R. Rinehart KC0UK.

Rolland E. Madara, W3PWG #1538 enclosed a letter with his donation noting that he would have received an earlier number if he had paid attention to Grace Dunlap, K5MRU #218, who urged him to join 10-10 when she received her 10-10 number. He will be celebrating his 90th birthday next August, and he is still active on 10 meters. Congratulations, Rolland!

The following 10-10 members became Scholarship Fund Volunteers during the months of November and December 1999 and January 2000 by making contributions with their dues renewals. We encourage all our members to follow their fine example.

11584	W4WJV	Edgar W. Reed
34841	WY2V	Donald R. Maziarz
41283	WA9CEG	John A. Gedraitis
47030	N1FWL	Parvez Bukhari
60620	WA2VZQ	Kenneth P. Stier
61225	AA7ST	Noel J. Santos
63770	N7WB	John E. Munger
64747	WP4LNY	Julio C. Medina
65658	KE4HKT	Cecil V. Miller
65895	W6RKD	Hector R. Tarango
67241	N4KN	Thurman I. Stoops
67752	KE4YBS	Sandra G. Stoops
68205	KE4NID	Michael A. Tidwell
68792	AE4ZC	Larry G. Berry
69273	KF4BEE	George D. Webb
69918	N2BWM	Walter H. Johnson, Jr.
69945	W7HEY	Gerald T. Brower

You can become a *Scholarship Fund Volunteer* by sending your contribution to: Morrie Goldman W6EHM #4189, Scholarship Manager, 21518 Marjorie Avenue, Torrance, CA 90503-6418. Make your check payable to the 10-10 Scholarship Fund. You will receive a *Certificate of Appreciation for the Year 2000* in appreciation of your contribution.

# 10-10 Life Members

Here are the newest 10-10 Life Members from December 1999 through February 2000

37750	KI4RQ	Richard E MacCullagh
39014	KA6LNC	John H Tierman
49000	N4TON	George W Conley
53060	N4LKU	Jane C Plunkett
63787	WA3TGC	Ben P Fisher Jr
69623	DL2JRM	Rene Matthes
71127	W6NRQ	Stephen J Shane
71164	W0RDF	Robert D Fuller
71496	W4YWH	Harold F Blocher Sr

# More pictures.....

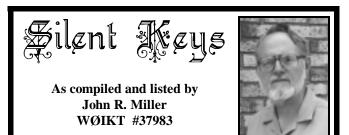


FROM ARGENTINA Left to Right: Horacio LU1BJW #39329, Neldo LU5HE #10334, Ron LU6HSV #66021, Alejandro LU3HJJ



FROM HAWAII Left to Right: Clarence KH7B #34749, Sam NH6SJ #51801, Beverly (YL-WA2OIZ), Ivan WA2OIZ #21511, Gemi KH6F #37649

## **APRIL** 2000



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

Please send silent key information to:

John R. Miller W0IKT 401 Tiffany Dr. Anderson, SC 29625-2567 w0ikt@arrl.net

please include SK's name, call, 10-10#, QTH and date of death

00837L W7NH	Arthur F. Winslow	Prescott, AZ
05407 K6ZXS	Don R. Martinez	San Francisco, CA
05648 WB2CHO	Charles J. Harris	Santa Rosa, CA
05759L W1RFW	Philip J. Lawrence	Groveland, MA
05839 N6AN	Harold C. Godfrey	San Carlos, CA
06100L WB2ZSW	John F. Hartos	Roosevelt, NY
06932 K7PYS	William C. Biser	Eugene, OR
09252 W5CPI	Jack M. Harkins	Albuquerque, NM
09328 W8HLU	John Sellors, Jr	Sarasota, FL
10642 K9HA		
12462 WA4VTA	Le Roy J. Palmer	Westminster, SC
14531 K8RJ	John H. Pitcher	Fayetteville, OH
15829 K7MJO	Martin J. Oppenheimer	
15903 KB0KK		
18733 W4PUH	William A. Cann	Fairfax, VA
20299 W7JMH	Lemuel H. Allen, Jr	Boise, ID
21065 W4LPL	Carl B. Presler, Jr.	Fayetteville, NC

# CHAPTER SCHOLARSHIP PROGRAM

To assist the scholarship program 10-10 International has developed a "Chapter Scholarship Program" contest and invite all 10-10 Chapters to participate. This is how it will work: Flyers or notices will be sent by chapters to all members upgrading, requesting donation be sent to the scholarship manager in the name of the chapter. The chapter that has accumulated the most money over the year 2000 will be presented with a plaque denoting the event. You may also send a donation yourself, without waiting for the Chapter card to come, selecting the Chapter you wish to have credit. So come on folks, not only will some lucky young person obtain help with their education, we can also highlight a Chapter.

Please be generous. Five lucky young persons will benefit from the 10-10 Scholarship Program this year.

	Charles E. Tamm	
	William C. Gregory	
	David R. Willemin	
25464 W1PAM	Robert M. Stellmaker	Pawcatuck, CT
	James Wayne Perkins	
27578LN5BKH	Charles R. Garber	El Paso, TX
28800 K6EJF	John S. Tanner	San Jose, CA
31113LKE9QW	Edward J. Sala, Sr	Justice, IL
	Robert S. Herbein	
32521 KA1BLW	Robert L. Philpot	Abington, MA
33410LNS4J	Samuel F. Hopkins	Orlando, FL
34704 N6DOC	Elfiede Griffiths	Castro Valley, CA
35423 W8ABL	Robert E. Blair	Mayfield Heights, OH
37386 W4IOS	James R. Bates	Winter Park, FL
40776 AA4HX	Joseph E. Zurcher	Asheville, NC
41346 WB8VUZ	Thomas W. Miller	Euclid, OH
	Carl L. Odermann	
43002 KC1KI	Charles K. French	Dorset, VT
43186 KA5VDX	James E. Lewis	
	Hubert R. King	
46549 WB5FSX	Rudolph F. Mikeska	LaGrange. TX
	John C. Powell	
	John D. Vaughan	
	Steven C. Porter	
	Stanton Warburton, III	
	Robert L. Burleson, Jr.	
	Leon R. Rodman, Jr	
	Arthur H. Charboneau, Sr.	
	Fred W. Mosley	
	Frank M. Mommicco	
	Kermit L. Coots, Sr	
	William H. Beckman	
	Melvin Lee Whitley	
	Meyer M. Wolfe	
	Burl D. Brockway	
64774 NAIXC	Joseph E. Picard, Sr	Iron Station NC
	Johnny Vaucher	
	Robert A. Long	
0077J KU4FZ	KOUCHT A. LUIIg	Anderson, SC

"L" after 10-10 number denotes Life Member

# Win1010 Updates

Free Win1010 updates are posted on the http://hds.net/ win1010dl.htm web page and can be downloaded. Version 1.6 was released in early March and has several nice new features. The new Y2K 10-10 Award Formats were updated with version 1.5c which was released November 6, 1999 and should be used for all Award Applications submitted starting in the year 2000. For those not on the Internet or those who have trouble downloading, a 3.5" floppy disk is available with the program update, the 1010 and VP databases for the cost of \$1. The entire program for registered users is available for \$10 which also includes the new Windows FCC program and databases. The entire program CD as a demo can also be ordered for the same \$10 with credit for the \$10 if a later purchase is made. For more info email to jhardy@surfsouth.com or k4hav@hds.net or mail to K4HAV, POB 7304, Tifton GA 31793

# **10-10 AWARD INFORMATION**

To apply for any 10-10 Award, <u>Proof of</u> <u>paid-up membership is mandatory</u>. A copy of your membership card or address label from the latest copy of the *10-10 International News* must be sent with your application.

An application listing the rules for each award is available from the appropriate Award Manager listed below. Please send your request with a #10 (business size) envelope, self-addressed and stamped with one unit of first class postage, to the Award Manager for the Award you are interested in obtaining. <u>Please</u> no phone calls to Award Managers for an application or list of rules.

Rules for all Awards are also available on the 10-10 web site located at http://www.ten-ten.org BAR AWARDS

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

### INTERNATIONAL 500 OF THE WORLD (VP)

When you attain the 500 Bar, you automatically become a member of the International 500 Club and will be assigned an honorary VP number to be used in conjunction with your 10-10 number. With the issuance of the number you are eligible to participate in the VP award program. The VP award recognizes those 10-10 members that work other members with VP numbers. A 10-10 member may apply for VP award endorsements when completing 100 contacts with VP members. A VP award may be applied for and awarded for each group of 100 that you work. Also available to VP members are the VP Worked All States award and the Lucky 13 Certificate. The Lucky 13 award is intended to

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

### WORKED ALL CONTINENTS AWARD The 10-10 Worked All Continents award is issued for successfully working a 10-10 member in each of the six (6) radio continents (Africa, Asia,

of the six (6) radio continents (Africa, Asia, Europe, North America, Oceana, and South America)

### COUNTIES AWARD

10-10 offers an award for working all 3076 U.S. Counties. The basic certificate is issued for the first 100 counties contacted. Endorsement seals are available for each 500 level. A plaque is awarded for working all 3076 10-10 Counties.

### COUNTRIES AWARD

The Countries award certificate is awarded for confirmed contacts with 10-10 members in other countries. Applications require confirmations in the form of QSL cards (or non-returnable photocopies). A legal 10-10 contact within the applicant's country may be counted as one contact for this award. A basic 10-10 Countries certificate is awarded for contact with 25 countries. Thereafter, endorsement seals may be applied for in groups of 10 through the 75-country level. Beyond the 75-country level, endorsement seals are awarded in groups of five (5)

#### **CW AWARD**

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

### MOBILE AWARD

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

### OM/XYL AWARD

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

### WORKED ALL STATES AWARD

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

## WORKED ALL STATE CAPITALS

For the basic award the applicant must complete legal 10-10 contacts with 10-10 members in 20 state capitals

### WPX (PREFIX) AWARD

The basic certificate is awarded for working 100 prefixes

#### GREAT BRITAIN COUNTIES & REGIONS CERTIFICATE

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

# **AWARD MANAGERS**

BAR APPLICATIONS 100-900
Dan Morris, KZ3T # 41015112 Royal Oak Court Lenoir, NC 28645
BAR APPLICATIONS 1000+
Allen Mattis, N5AFV #275715314 Wigton Drive
<u>VP BAR AWARD MANAGER</u>
Carl Fisher, W0HIK #406785 Angelina Drive
VP WORKED ALL STATES MANAGER
Carl Fisher, W0HIK #406785 Angelina Drive
VP LUCKY 13 CERTIFICATE MANAGER
Dan Morris, KZ3T # 41015
CONTINENTS AWARD MANAGER
Dick Corlew, NC6V #25057
COUNTIES AWARD MANAGER
Hank Richroath, K5HWI #633131004 S. Howeth Street Gainesville, TX 76240-5904(940) 612-1111k5hwi@ntin.net
COUNTRIES AWARD MANAGER
Russ Gauthier, N5EJS #1525
<u>CW AWARD MANAGER</u>
Lee Zalaznik, KI6OY #50948
MOBILE AWARD MANAGER
Dave Becker, K7PRZ #47633PO Box 880PO Box 880Ridgefield, WA 98642(360) 887-7155
OM/XYL AWARD MANAGER
Pat Hibbs, KH6OE #288424603 Glenna WayLouisville, KY 40219-2814(502) 968-1894kh6oe@home.com
WORKED ALL STATES AWARD MANAGER
Scott Brackeen, AI1M #23966
WORKED ALL STATE CAPITALS AWARD MANAGER
Paul Johnson, N4JII #37708
WPX (PREFIX) AWARD MANAGER
Al Longo, NN1J #4172820 Primrose RoadBristol, RI 02809
<u>GREAT BRITAIN COUNTIES &amp; REGIONS CERTIFICATE MANAGER</u>
Mike Crawshaw, G4BLH #1844650 Kibble GroveBrierfield, Nelson Lancs, England BB9 5EW

# **APRIL 2000**

# **10-10 AWARDS**

	TOP TEN		3085	W7EY	66824	097	KA3WWG	56860	ĺ	110 COUNTRIE	S
	HONOR ROLI		3086	N9QHY	50617	098	K2BIL	68799	CERT #	CALL	10-10#
	Award Manager		3087	GW0IWD	71000				029	W1CRL	08528
Allen	Mattis – N5AFV	#27571	3088	W8KVU	57778		VP500			115 COLDITRU	G
			3089 3090	N0YVP AA1NC	66334 67174	CERT# 060	CALL W5OVS	<sup>10-10#</sup> 57608		115 COUNTRIE	
CONTACTS 24000	call WA5JDU	<sup>10-10#</sup> 03017	3090	AAINC	0/1/4	060	N1HAQ	53399	CERT# 026	CALL W1CRL	10-10# 08528
19900	WB1DBZ	26001				062	KC7DH	52099	020	WICKL	00520
19400	WORWC	00518	\$	*****	$\Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$	063	NIPDV	63955		<b>125 COUNTRIE</b>	S
17000	PJ2WG	27999				064	K4CIH	33233	CERT #	CALL	10-10#
16700	W4WKQ	33299	I	UCKY 13 AWA	RD	065	WV7C	22954	017	W3BSY	48096
16500	K5MRU	00218		Award Manager	:						
12300	WB7NUU	17416	Dan	Morris – KZ3T #	41015		VP600			130 COUNTRIE	S
11600	WA9LIC	01599				CERT#	CALL	10-10#	CERT #	CALL	10-10#
11500	K0PV	09902	VP # 429	call KB9NZX	68570	034	KD7UZ	13825	015	W3BSY	48096
11400	N5CUQ	00040	429	KD9INZA	08570	035 036	KZ3T W9OO	41015 09973			
			\$	****	**	030	K4CIH	33233	⇔⇔	*****	$\Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$
\$\$\$	*****	\$\$				057	Riem	00200			
				VP AWARDS			<b>VP700</b>			WORKED	
1	000+ BAR AWA	RD		Award Manager		CERT#	CALL	10-10#		ALL STATES	
Award Manager:			Carl	Fisher – W0HIK	#40678	023	K4CIH	33233	Award	d Manager: Scott B	rackeen –
Allen	Mattis – N5AFV	#27571				AI1M #23					
	1000 0 1 0			VP WAS		**	$\circ$ $\Leftrightarrow$	$\Leftrightarrow \Leftrightarrow \Leftrightarrow$			
	1000 BAR		CERT# 017	CALL WV7C	10-10# 22954		WORKED ALL		CERT# 2371	CALL WA8IEK	10-10#
CERT # 1463	CALL K7IUQ	<sup>10-10#</sup> 55657	017	W1CRL	08528	C	ONTINENTS AW		2371	N1DO	06461 63993
1463	KC5QBG	68629	010	N3TGB	68129		Award Manager:		2372	KD6PT	68824
1465	K2BIL	68799	017	1010D	0012)	Dick	Corlew – NC6V #		2374	KE6FQC	69047
1466	N9VKE	66452		<b>VP100</b>		2101		20007	2375	N9QHY	50617
			CERT #	CALL	10-10#	CERT#	CALL	10-10#	2376	KA2KAN	60668
	2500 BAR		438	K3NBD	52380	518	WA0FQK	68088	2377	W8YF	68399
CERT#	CALL	10-10#	439	N1DO	63993	519	KB9NZX	68570	2378	KB9NZX	68570
393	N7QOZ	62599	440	K4DLG	69946	520	KC7TOT	69913	2379	KJ5RC	67815
394	NC7DH	52099	441	WA2YZM	69894	521	KA2KAN	60668	2380	KB8LMV	65910
395	W3EHZ	39561	442	K2BIL	68799				2381	W4GTE	70403
	5000 D 4 D		443	NO3PU	69097	\$\$	$\circ$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$ $\Leftrightarrow$	$\Leftrightarrow \Leftrightarrow \Leftrightarrow$	2382	N5WYR	62116
	5000 BAR		444 445	W5UFA VE4ALN	23660 69217	DV	COUNTRIES AW		2383	K6QWH	02959
CERT# 076	CALL WA9TWE	10-10# 00389	446	ON4CAS	66044	DA	Award Manager:		0	*****	888
570	WATIWE	00389	447	AA0MZ	65232	Russ	Gauthier – N5EJS		, v	, ,, ,, ,, ,, ,, ,, ,, ,,	
			448	N6OPR	45715	- Cubi			COL	UNTY HUNTER A	WARD
\$\$\$	******	$\Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$	449	W6YLJ	19636		<b>25 COUNTRIES</b>	5		Award Manager	÷
			450	KE6FQC	69047	CERT#	CALL	10-10#	Hank	Richroath - K5HW	I #63313
:	500 BAR AWAR	D				546	WA0FQK	68088			
	Award Manager			VP200						100 COUNTIES	5
Dan	Morris – KZ3T #	41015	CERT#	CALL	10-10#		<b>45 COUNTRIES</b>	5	CERT#	CALL	10-10#
			226 227	WD4EQU K2BIL	26853	CERT#	CALL	10-10#	431	N3TF	58528 70016
vp # 3067	call KC7TOT	<sup>10-10#</sup> 69913	227	K2BIL WA8YQR	68799 12544	220	KC1XP	67132	432 433	KF4RIC ON4CAS	66044
3068	KG1S	62400	228	KJ7RF	69390		65 COUNTRIES		433	KE3LE	64582
	N8OVT	44501	230	WB0QKN	16069	CERT#	CALL	10-10#	435	AA1NC	67174
3069		61697	231	AA0MZ	65232	111	W5UFA	23660	436	W7SRB	34316
3069 3070	KDIKM	68597	232	W1LIC	46677				437	KM5EH	71103
3069 3070 3071	KD1RM KD4ZAT	00577		K6OPR	45715		<b>75 COUNTRIES</b>	5	438	W8III	38179
3070		50571	233				CALL	10.10#			
3070 3071	KD4ZAT KA3TUG N4VB	50571 23195	233			CERT#	CALL	10-10#			
3070 3071 3072 3073 3074	KD4ZAT KA3TUG N4VB K9JLS	50571 23195 22358	233	VP300		CERT# 076	WA8YQR	12544		200 COUNTIES	5
3070 3071 3072 3073 3074 3075	KD4ZAT KA3TUG N4VB K9JLS N9NNA	50571 23195 22358 64037	CERT #	VP300 CALL	10-10#		WA8YQR	12544	CERT#	CALL	10-10#
3070 3071 3072 3073 3074 3075 3076	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE	50571 23195 22358 64037 65225	cert# 143	VP300 <sup>CALL</sup> K6VMN	31623	076	WA8YQR 90 COUNTRIES	12544	265	CALL KB7ZGP	<sup>10-10#</sup> 68357
3070 3071 3072 3073 3074 3075 3076 3077	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ	50571 23195 22358 64037 65225 70882	CERT #	VP300 CALL		076 cert#	WA8YQR 90 COUNTRIES call	12544 5 10-10#	265 266	<sup>CALL</sup> KB7ZGP W5UFA	<sup>10-10#</sup> 68357 23660
3070 3071 3072 3073 3074 3075 3076 3077 3078	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ WA9LJK	50571 23195 22358 64037 65225 70882 70789	cert# 143	VP300 <sup>CALL</sup> K6VMN K2BIL	31623	076	WA8YQR 90 COUNTRIES	12544	265	CALL KB7ZGP	<sup>10-10#</sup> 68357 23660
3070 3071 3072 3073 3074 3075 3076 3077 3078 3079	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ WA9LJK W7APE	50571 23195 22358 64037 65225 70882 70789 61491	cert# 143 144	VP300 <sup>CALL</sup> K6VMN K2BIL VP400	31623 68799	076 cert#	WA8YQR 90 COUNTRIES <sup>Call</sup> WD8MQJ	12544 30405	265 266	<sup>CALL</sup> KB7ZGP W5UFA AA1NC	10-10# 68357 23660 67174
3070 3071 3072 3073 3074 3075 3076 3077 3078 3079 3080	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ WA9LJK W7APE KE6FQC	50571 23195 22358 64037 65225 70882 70789 61491 69047	CERT # 143 144 CERT #	VP300 CALL K6VMN K2BIL VP400 CALL	31623 68799 <sup>10-10#</sup>	076 cert# 042	WA8YQR 90 COUNTRIES CALL WD8MQJ 105 COUNTRIE	12544 3 10-10# 30405 8	265 266 267	CALL KB7ZGP W5UFA AA1NC 300 COUNTIES	<sup>10-10#</sup> 68357 23660 67174
3070 3071 3072 3073 3074 3075 3076 3077 3078 3079	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ WA9LJK W7APE	50571 23195 22358 64037 65225 70882 70789 61491	cert# 143 144	VP300 <sup>CALL</sup> K6VMN K2BIL VP400	31623 68799	076 cert#	WA8YQR 90 COUNTRIES <sup>Call</sup> WD8MQJ	12544 30405	265 266	<sup>CALL</sup> KB7ZGP W5UFA AA1NC	10-10# 68357 23660 67174
3070 3071 3072 3073 3074 3075 3076 3076 3077 3078 3079 3080 3081	KD4ZAT KA3TUG N4VB K9JLS N9NNA N0YCE KC0CMZ WA9LJK W7APE KE6FQC KK1C	50571 23195 22358 64037 65225 70882 70789 61491 69047 67126	CERT # 143 144 CERT # 093	VP300 CALL K6VMN K2BIL VP400 CALL KC7DH	31623 68799 <sup>10-10#</sup> 52099	076 cert# 042 cert#	WA8YQR 90 COUNTRIES CALL WD8MQJ 105 COUNTRIE CALL	12544 30405 8 10-10#	265 266 267 Cert #	CAIL KB7ZGP W5UFA AA1NC 300 COUNTIES CAIL	<sup>10-10#</sup> 68357 23660 67174

# **10-10 AWARDS**

	400 COUNTIES			200 PREFIX		066	KB6UPG	51849	$\Leftrightarrow$	****	$\Rightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$
CERT #	CALL	10-10#	CERT #	CALL	10-10#	067	WD5EDR	23693			
126	N7YBX	62538	142	ON4CAS	66044	068	KD8LMV	65910		CW AWARD	)
127	W6YLJ	19636	143	WA2YZM	69894	069	KD4OSO	69136		Award Manage	r:
128	K3TUJ	07561	144	WB8STO	12531	070	AA7FK	53104	Lee Z	alaznik – KI6OY	#50948
			145	W6YLJ	19636	071	GW0IWD	71000			
	<b>500 COUNTIES</b>					072	KA9ADD	42381	CERT#	CALL	10-10#
CERT#	CALL	10-10#		<b>300 PREFIX</b>		073	W1LIC	46677	041	AD4RX	67754
102	W6YLJ	19636	CERT #	CALL	10-10#	074	LU3CT	68907	042	W6OH	08877
			086	KB6UPG	51849	075	WA2YZM	69894	043	ON4CAS	66044
	600 COUNTIES		087	KM5FF	50356				044	VE5BCS	42027
CERT#	CALL	10-10#	088	W6YLJ	19636	\$\$ \$ \$	$\Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$	$\Leftrightarrow \Leftrightarrow \Leftrightarrow \Leftrightarrow$	045	AA7FK	53104
078	W900	09973							046	WA0OTO	02808
				400 PREFIX			OM/XYL AWAR	D			
	700 COUNTIES		CERT #	CALL	10-10#		Award Manager.	:	4	50 CW CONTA	CTS
CERT#	CALL	10-10#	045	WA2OIZ	21511	Pat I	Hibbs – KH6OE #	28842		SILVER	
053	K4CIH	33233	046	K4CIH	33233				CERT#	CALL	10-10#
054	W900	09973	047	W6YLJ	19636	E	BASIC - 10 TEAN	AS	024	W4GTM	66628
055	KC7DH	52099				CERT #	CALL	10-10#	039	KQ6NS	65270
				500 PREFIX		405	K2BIL	68799	045	AA7FK	53104
	800 COUNTIES		CERT #	CALL	10-10#	406	W4AEA	58235			
CERT#	CALL	10-10#	030	N3GZE	44119	407	K1IEQ	31363	1	00 CW CONTA	CTS
040	W900	09973				408	W1LIC	46677		SILVER	
				800 PREFIX		409	K9OBL	69071	CERT#	CALL	10-10#
	1400 COUNTIES		CERT #	CALL	10-10#				028	AA1KS	56510
CERT#	CALL	10-10#	008	DJ4BE	49153		25 TEAMS				ama
006	WB4FBS	48461				CERT#	CALL	10-10#	2	00 CW CONTA	CTS
			~~~~			407	K1IEQ	31363		SILVER	
				$\Rightarrow$	$\Rightarrow \Leftrightarrow \Leftrightarrow$				CERT#	CALL	10-10#
$\langle \Theta \rangle$	*****	$\diamond \Leftrightarrow \Leftrightarrow$			D		50 TEAMS		010	W1LIC	46677
33/1		DD		MOBILE AWAR	D	CERT#	CALL	10-10#			
WP	X (PREFIX) AWA	KD	D	Award Manager: Becker - K7PRZ #	47622	407	K1IEQ	31363	حه	*****	
	Award Manager:		Dave	Becker - K/PKZ #	4/033		75 TEAMO		<ul> <li></li> </ul>	(4) (4) (4) (4) (4) (4)	n' (m' (m'
	Al Longo – NN1J #41728						75 TEAMS			WORKED	
	#41/28		CERT# 056	CALL WA5EXY	10-10# 00699	CERT# 258	CALL KE9MA	<sup>10-10#</sup> 46709	A T	L STATE CAPI	TALS
	100 PREFIX		050	WB2SJQ	06099	407	K1IEQ	31363	AL	Award Manage	
			058	AA6ZW	62075	407	KIIEQ	51505	Doul	Johnson – N4JII	
CERT# 271	CALL KD1RM	<sup>10-10#</sup> 61697	058	KH6OE	28842		100 TEAMS		1 aui	Johnson – 144311	#37708
271	WA2YZM	69894	059	KE9WZ	20042 49610					NONE ISSUE	D
272	KM5EH	71103	060	KD4ZAT	68597	CERT# 407	CALL K1IEO	<sup>10-10#</sup> 31363		110111 15501	
273	KC7TOT	69913	062	N7PJP	47685	+07	KIILQ	51505	化	*****	
274	WB8STO	12531	062	KD7UZ	13825			<b>C</b> 1			, ,, ,, ,,,
275	W7SRB	34316	063	KB7ARN	44977			Catch us	on the w	veb	
270	W/SKD	54510	065	K2BIL	68799 http://www.ten-ten.org						
			005	K2DIL	00/99		ncch.	/ <b>** ** *</b> *			



Although 10-10 does not include advertising in the 10-10 News, there are a few vendors that we use strictly for 10-10 items and memorabilia.

Rick Pourciau, NV5A #49338, The Sign Man of Baton Rouge, is our official supplier of 10-10 name badges, 10-10 coffee mugs, QSL cards, eyeball QSL cards, T-shirts and caps. Rick has been in business since 1984 and does a superb job with anything you order. He produces two styles of official QSL cards, and they are a fine piece of work. Connect with Rick and see what he has to offer, as his work is first class and prices are reasonable.

As an example: the 10-10 badge shown above can be ordered at a cost of \$9.50 post paid. Send Rick the following: Call Sign, Name to appear on the badge, 10-10#, City and State. Colors are Green for regular members, Orange for life members, and Pink for YL members. Send your order to: Rick Pourciau, NV5A, 879 Castle Kirk Drive, Baton Rouge, LA 70808-6020. Allow 2 weeks for delivery.

More information can be found by calling toll free 1-888-HAMTAG (426-8241). By internet he can be reached at http://www.thesignman.com or by e-mail at nv5a@aol. com.

				_		ZDAY	ZSUM	ZWIN	CHAPTER	QTH	FREQ
TI	EN	Т	'EN NET (	ΞIJΙ	IDE	WED		0130	Steel City	IL I	28420
						WED	0100		Great Smoky Mountain	ΤN	28410
ZDAY	ZSUM		CHAPTER	<u>QTH</u>		WED	0100	0200	Samuel Clemens	FL	28333
ALL	4000	0001	Omaha Zero Net	NE	28400 28625	WED WED	0100 0200	0200 0300	Space Houston on Ten (SHOT) 1Ø Bar X	TX TX	28488 28440
ALL M-TH	1200 1200	1300 1300	Chief Seattle Chief Seattle	WA WA	28430	WED	0200	0300	Portland 5ØØ	OR	28450
M-F	1130	1230	Elmer J Fudd Net	PA	28340	WED	0300	0400	Edmonton Area Ten-Tenners (EATT		28520
1 <sup>st</sup> SUN	2000	2100	Mississippi Lighthouse	MS	28480	WED		1700	Lake Geneva	ŕF	28185 CW
SUN		0010	Twenty-Eight (1 <sup>st</sup> )	VK	28360	WED	1700	1800	Channel Islands	CA	28340
SUN		0830	Twenty-Eight (2 <sup>nd</sup> )	VK	28560	WED	1730	1830	Roundtable Net (Suncoast)	FL	28427
SUN		0800	Mont Ventoux	F	28725	WED	2200	2300	Peach State International	ТΧ	28420
SUN	0830	0930	Borinage	ON	28785	WED WED	2300 2300	2359 2359	Michigan Robins Old Dominion	MI VA	28493 28470
SUN SUN	1300 1300	1400 1400	Fort McHenry/Yodar Kritch GB Ten/Laurel Mancunium	MD G	28840 28860	W/T	2300	2339	Minuteman	MA	28409
SUN	1300	1400	Arlington	VA	29200	THU	0001	0100	Battle Road	MA	28390
SUN	1330	1430	Possum Trot	NC	28345	THU	0001	0100	Egyptian Radio Club	IL	28420
SUN	(1)		Possum Trot	NC	28150 CW	THU	0001	0100	Cypress	FL	28465
SUN		1530	Broken Heart	AL	28820	THU	0030	0130	Tom and Jerry	FL	28370
SUN		1530	Neanderthal Chapter	DL	28450	THU	0100	0200	Cowtown	TX	28710
SUN SUN	1500 1545	1515	K8JZN-Stark City Mutual Aid	OH	28150 CW 28310	THU THU	(1) 0100	0200	Cowtown Channel Islands	TX CA	28360 28340
SUN	1545	1645 1600	K8JZN-Stark City Mutual Aid Springbok	OH ZS	28385	THU	0100	0200	Cradle of the Confederacy	AL	28340
SUN	1530	1630	Steel City	IL	28420	THU	0100	0200	Gateway	MO	28650
SUN		1700	Lake Geneva	F	28416	THU	0100	0200	Milwaukee	WI	28365
SUN	1600	1700	Sky Blue Waters	MN	28325	THU	0100	0200	MO-KAN Tenners	MO	28440
SUN	1600	1700	Twin Cities	MN	28325	THU	0100	0200	North Star	MN	28432
SUN	1700	1800	Portland 5ØØ	OR	38350	THU	0100	0200	Screaming Eagles	TN	28450
SUN	1000	1830	Crater Lake	OR	28350	THU	0230	0330 0430	Windfarms Windfarms	CA CA	28485
SUN SUN	1800 1800	1900 1900	Brooklyn Bridge Liars/Metro/Lindbergh	NY NY	28850/355 28850	THU THU	0330 1300	1400	GB Ten/Laurel Mancunium	G	28185 CW 28870
SUN	1800	1900	Possum Trot	NC	28345	THU	2200	2300	Branding Iron I & II	тх	28390
SUN	(1)	1000	Possum Trot	NC	28150 CW	THU	2200	2300	Channel Islands	CA	28340
SUN	(-)	1930	Blue and Gray	KY	28760	THU	2200	2300	Delaware Valley	PA	28360
SUN	1830	1930	Twin Tiers/Chenango	NY	28805	T/F	2330	0030	Flying Tigers	RI	28415
SUN	(1)		Twin Tiers/Chenango	NY	28335	FRI	0001	0100	, ,	PA	28388.8
SUN			Arizona Desert 1Ø-1Ø Net	AZ	28445	FRI	0001	0100	Delaware Valley	NJ	28360
SUN SUN	2030 2200	2130 2300	Air Capital South Texas Lighthorse Brigade	KS TX	28775 28345	FRI FRI	0001 0001	0100 0100	Fort McHenry/Yodar Kritch MAINE-iacs	MD ME	28370 28402.5
SUN	2200	2359	Westward Ho	IA	28440	FRI	0001	0100	Outlaws (1 <sup>st</sup> )	TX	28444
S/M	2330	0030	Michiana	MI	28465	FRI	0001	0100	Outlaws (2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> )	тх	28644
S/M	2330	0030	Minuteman	MA	28150 CW	FRI	0001	0100	Pine State	ME	28373
MON		0001	Chesapeake Bay	MD	28435	FRI	0001	0100	Suncoast	FL	28420
MON		0001	Omaha Zero Net	NE	28400	FRI	0100	0200	Great Smoky Mountain	TN	28700
MON		0100	Cradle of Liberty	PA	28695	FRI	0200	0300	Appalachian Mountain	KY	28400
MON MON	0100	0130 0200	Cradle of Liberty Milwaukee	PA WI	28425 28365	FRI FRI	2300	2230 2359	Down Under Brooklyn Bridge	ZL NY	28530 28850/355
MON	0100	0200	Arizona Desert 1Ø-1Ø Net	AZ	28445	FRI	2300	2359	Liars/Metro/Lindbergh	NY	28850/333
MON	0130	0230	Bauxite	AR	28470	SAT	0001	0100	Ragchewers Club (Suncoast)	FL	28400
MON	0200	0300	Sky Blue Waters	MN	28325	SAT	0001	0100	Fort McHenry/Yodar Kritch	MD	28370
MON		1700	Berlin Bears	DL	28810	SAT	0001	0100	MAINE-iacs	ME	28402.5
MON		1730	Eagle Watch	AL	28317	SAT		1400	Electric City	FL	28845
MON		2359	Eagle Watch	AL	28317	SAT	1000	1400	Waterkant	DL	28353
MON MON	2300	2359 2359	Santa Fe Trail Trotters and Pacers	IN NJ	28695 28755	SAT SAT	1330 1400	1430	Trotters and Pacers Coffee Cup/Red River Valley	NJ LA	28755 28365
M/T	2300	2359	Chief Killibuck	OH	28490	SAT	1400	1500	59/62	F	28780
TUE	2000	0030	Sky Blue Waters	MN	28355	SAT		1500	Borinage	ON	28392.5
TUE		0030	Twin Cities	MN	28325	SAT 1 <sup>st</sup>		1500	Cast Iron Tower	DL	28133 CW
TUE	0001	0100	Ragchewers Club (Suncoast)	FL	28400	SAT 2 <sup>nd</sup>	& 4 <sup>th</sup>	1500	Cast Iron Tower	DL	28333
TUE	0030	0130	City of Lights	IL	28720	SAT	4540	1500	MO-KAN Tenners	MO	28440
TUE	0100	0200	City of Lights	IL 00	28280 CW	SAT	1510	1610	Louisiana Pelican 1Ø-1Ø Net	LA	28450
TUE TUE	0100 0100	0200 0200	Colorado Centennial Windpoint Lighthouse	CO WI	28340 28455	SAT SAT	1500 1500	1600 1600	Doll Chasers Republic of Texas	TX TX	28433 28460
TUE	0100	0200	Bauxite	AR	28455 28470	SAT	1000	1700	Lake Geneva	F	28416
TUE	0130	0230	City of Lights	IL	28720	SAT	1600	1700	City of Roses	OR	28835
TUE		0300	Concho Valley Chapter	ТΧ	28360	SAT	1630	1730	Boomtown	ТΧ	28402
TUE	0230	0330	City of Roses	OR	28450	SAT		1730	Route-66	IL	28370
TUE	0230	0330	Golden Bear	CA	28485	SAT		1730	Tango	LU	28650
TUE	0300	0400	Bay Area	CA	28475	SAT SAT	1700	1800	Keystone	CA WA	28765 28390
TUE TUE	2200	2300 2300	Peshtigo Fire	WI	28360 28365	SAT	1700	1800 1830	Lilac City Crater Lake	OR	28390 28760
TUE	2200 2200	2300	Coffee Cup/Red River Valley Electric City	LA FL	28305 28450	SAT		1900	River City/Camellia Capital	CA	28317
TUE	2200	2300	Trail Drivers	TX	28390	SAT	1900		Branding Iron I & II	ТХ	28345
TUE	2300	2359	Fort McHenry/Yodar Kritch	MD	28370	SAT		2000	Restoration Project/Feline Friends	VE	28747
TUE	2300	2359	Great Lakes	AZ	28480	SAT		2200	Alii	HI	28730
T/W	2330	0030	Republic of Texas	ТХ	28560	SAT	0000	2330	City of Melbourne	VK	28355
WED		0030	Kansas Trails	MN	28385	S/S	2330	0030	Electric City	FL	28450
WED	0004	0100	Whitehouse	DC	28475	MON-SA	۵т	1800	1Ø-1Ø International (during propaga	tion)	28800
WED WED	0001 0001	0100 0100	Bluebonnet Broken Heart	TX AL	28450 28440	MON-SA		1800	1Ø-1Ø International (during propaga	uUII)	28800
WED	0001	0100	Cincinnati Area Ten-Tenners	OH	28800						
WED	(1)		Cincinnati Area Ten-Tenners	ОН	28490	(1) After	Schedu	led Net	(alt) Alternate Frequency (	*) New	or change
WED	0001	0100		СТ	28375				.,	,	Ū
WED	0001	0100	Oceans of the World	FL	38375	All chan	ges to th	ne Net L	ist should be referred to Chapter Coo	rdinator	- K6RDK
WED	0030	0130	All American City	AL	28400						
WED	0030	0130	Muletown	ΤN	28425	l					

**APRIL 2000** 

**10-10 INTERNATIONAL NEWS** 

# 10-10 QSO PARTY CALENDAR

All 10-10 QSO parties begin at 0001 UTC on the first listed date and close at 2400 UTC on the second listed date. The 10-10 Day Sprint is, of course, a one day contest.

# SPRING CW May 6-7

Postmark Date – May 22 Scored by the Pine State Chapter c/o Wes L. Linscott W1LIC 97 Randolph Dr. Bangor, ME 04401-2829

# SUMMER PHONE Aug 5-6

Postmark Date – Aug 21 Scored by the MO-KAN Chapter c/o Bob Madorin KB0MZE 7815 Westgate St. Lenexa, KS 66216-3151

# DAY SPRINT Oct 10

Postmark Date – Oct 30 Scored by the Gateway Chapter c/o Don Ward WØRTV 4514 Ferrer Dr. St. Louis, MO 63129-3741

# FALL CW Oct 28-29

Postmark Date – Nov 13 Scored by the Lilac City Chapter c/o Bob Meenach KB7ZGP 4814 W. Houston Ave. Spokane, WA 99208-3724

# How to enter a 10-10 QSO Party

Prepare for logging. The required exchange is for all 10-10 contests is:

Call Sign Name of Operator Location (State, Country) 10-10 Number

Also necessary is a DUPE Sheet. If you don't have one of the many logging programs that create their own dupe sheets, then you must make your own or download it from the 10-10 web site.

One example of a dupe sheet is basically a grid of 100 squares (10x10) that have a number (00-99) placed in the corner of each block. Into those squares you will put the received 10-10 number that corresponds to the last two digits of the number as shown below:

68684 goes in the 84 block 2549 goes in the 49 block 236 goes in the 36 block 94 goes in the 94 block

1 goes in the 01 block



When you are done with the contest and your log and dupe sheet is completed, then take the back page of your News with your address label showing. If you don't have an address label, place your membership card in that spot and make a photocopy. You must be a member in good standing (dues paid) in order to enter a 10-10 QSO Party.

Fill out all necessary information on the page as listed:

Contest Box - which contest?

Scoring Box - 2 points for each contact with a tenten member and 1 point for each contact with someone who does not have a ten-ten number.

Entry Box – type of entry, Chapter Assignment (if any), and your Call Area or ARRL Country operated from. (DON'T forget this last one!!!).

Check List – all MUST be YES to be an acceptable log!!!

Mail to the Contest Scoring Chapter as listed in the QSO Party Calendar *prior to the postmark date*. Please do NOT send an SASE *or any monies* as logs will not be returned and all scores counted will be posted on both the Web page and in the *10-10 International News*.

# GOOD CONTESTING !!!

# 10-10 Meeting in Germany

The "DSW" (Diplom Sammler-Waterkant), a group of about 250 award hunters, mostly living at the North German coast region, will have an official meeting in Kropp nr. Schleswig – North Germany from April 28th to May 1st, 2000. Guests will come from all parts of Germany and the surrounding countries. The program includes a 10-10 Meeting. The 10X-WATERKANT CHAPTER invites all friends of 10-10 to take part! Info via dk7la@t-online.de

Wolfgang DK7LA #66048 (CM 10X Waterkant Chapter) promises to send a picture for the *News* after the meeting.

**TEN-TEN STAMPS** ORDER FOR ALL YOUR CORRESPONDENCE 144 SELF STICK FOIL STAMPS \$5.00 POSTPAID SEE PAGE 30



# 2000 Winter Phone Contest Results

TO	P TEN IN		W2WHO	22	44	AE4EC	31	61	Α	REA 6		K6FM	15	30
	E WORLI		N2LDU	20	39	KB4BBC	26	52	CALL	QSO's	POINTS	WB7VSZ	15	29
CALL	QSO's	POINTS	AA2KJ	13	25	WV4Y	26	51	W6AFA	924	1628	N7NWC	13	26
VP2VF	1748	2781	KA2PBJ	13	25	KR4OE	26	48	K6VMN	552	1004			
K7XN	1202	2060	N2VYJ	11	20	K3ESS	22	43	WB6NFO	529	965	A	REA 8	
LU3CT	1100	1854				K4AGH	17	30	N6OPR	524	946	CALL	QSO's	POINTS
LU5VV	1073	1750		REA 3		K4IJK	15	29	W6SGT	501	902	KC8GAE	492	852
6Y5DA	1106	1712	CALL	QSO's	POINTS	AD4TL	14	28	KC6SEH	485	889	WD8MQJ	400	696
WA5JDU	954	1648	W3CBC	293	501	KC4JAN	12	23	N6XD	408	732	KC8IYG	397	683
W6AFA	924	1628	KA3VDN	208	396	N0PSH	10	20	KC6QXU	397	722	KI8I	360	639
K5GAY	954	1613	N3TGB	207	387	W4UM	10	20	WO6M	375	697	WB8STO	294	534
KC7DH	891	1557	N3GZE	185	339	N4ADH	11	19	KF6VU	329	600	WB8EDG	287	506
NE4S	1003	1550	W3EHZ	146	271				AC6FU	296	554	W8JSM	246	459
			NA3H	101	191	А	REA 5		K6EON	194	361	KC8IM	258	434
	AREA 1		WB3FOJ	68	132	CALL	QSO's	POINTS	W6KVA	168	316	W8PJY	191	355
CALL	QSO's	POINTS	K3NBD	64	126	WA5JDU	954	1648	N6YSQ	161	309	KC8FXG	174	331
K1IEQ	457	816	KA3NMB	58	114	WB4FBS	839	1473	WB6NYM	152	299	KC8FZA	168	326
AK9Y	229	421	K3TUJ	58	108	N5MT	540	939	K6PZE	158	299	W8III	125	237
N1GKX	234	420	NM3O	48	96	W5NDK	410	726	W6VY	150	297	W8KVU	120	236
NN1J	222	414	KE3QH	46	92	KA5VDD	324	579	WA6VLS	116	220	N8ST	92	174
K1GUP	198	364	WB3IFE	42	78	KC5BKT	307	568	K6VXY	111	214	WC8E	87	169
WA1HVJ	191	355	KF3BN	41	77	N5WYR	286	529	K6EHA	100	194	KC8FUZ	78	153
N1PVT	182	336	KA3AVB	36	68	N5SCA	280	512	K6ASK	95	183	W8LBQ	78	147
N1API	171	331	WB3BMA	35	68	WD5EDR	271	503	K6ZPW	88	168	WA8IEK	74	141
W1LIC	153	296	WB3KDB	23	43	K0CIE	278	495	AC6PX	83	163	WB8DNO	55	107
KA1FYY	153	292	W3QYL	18	34	N5EJS	261	487	KB7AN	79	156	KB8QAQ	46	90
AA1KS	156	290	N3FSC	16	29	W5EFB	233	411	KB6YX	79	156	N8WEL	50	90
NK9Y	136	250	norbe	10	27	NX5T	213	389	KJ6JO	77	150	WD80DV	40	75
N1KD	126	234	Δ	REA 4		WJ50	209	385	N6JQI	76	131	KB8FGM	39	73
K1UR	129	234	CALL	QSO's	POINTS	N5XJD	202	373	KJ6DB	67	135	KB80KK	34	68
KA1YHI	79	156	NE4S	1003	1550	W5GCX	202	366	WB6CZO	65	125	N8GBE	34	67
K1pj	70	132	KQ4PK	404	721	WA5RNV	185	338	N6SVD	60	118	N8WTH	34	60
WAIEBJ	65	129	WA2YZM	394	704	WASKIN W5GVP	185	332	K6UD	60	118	WB8TOM	30 26	51
W1JX	63	116	N4ANV	280	499	W50VF W50XA	170	304	KI6G	47	91	WB810M W8IIO	20	43
NISTE	60	115	N4UGH	244	441	WA5BBR			W9KUP	33		WD8MZD	22	43 43
	00	115	1140011	277		WAJBBK	157	288	W9KUP	33	65	W D8MZD	22	43
WIDYI	50	97	K4CIH	212	384	VIIIT	157	275	VE(DOO	22	61			
W1DYJ W3VAI	50 51	97 94	K4CIH KC4TBS	212 172	384 306	K5HUT	157	275	KE6RQQ	32	64		DEAO	
W3VAL	51	94	KC4TBS	172	306	K5LBU	136	265	KD4OSO	29	57		AREA 9	DOINTS
W3VAL KA1ULN	51 43	94 82	KC4TBS KL7NL	172 171	306 300	K5LBU KM5FF	136 139	265 261	~ ~			CALL	QSO's	POINTS
W3VAL KA1ULN KD1XU	51 43 34	94 82 65	KC4TBS KL7NL N4ZCG	172 171 154	306 300 277	K5LBU KM5FF W5UFA	136 139 133	265 261 248	KD4OSO KB7JRC	29 28	57	call WA9TPQ	QSO's 607	1081
W3VAL KA1ULN KD1XU N1RRE	51 43 34 25	94 82 65 50	KC4TBS KL7NL N4ZCG W4SKW	172 171 154 149	306 300 277 273	K5LBU KM5FF W5UFA N5AFV	136 139 133 116	265 261 248 220	KD4OSO KB7JRC	29 28 REA 7	57 53	<sup>CALL</sup> WA9TPQ NA9A	QSO's 607 506	1081 904
W3VAL KA1ULN KD1XU N1RRE W1XF	51 43 34 25 25	94 82 65 50 47	KC4TBS KL7NL N4ZCG W4SKW KZ3T	172 171 154 149 135	306 300 277 273 256	K5LBU KM5FF W5UFA N5AFV K5HWI	136 139 133 116 107	265 261 248 220 209	KD4OSO KB7JRC A	29 28 <b>REA 7</b> <sub>QSO's</sub>	57 53 POINTS	CALL WA9TPQ NA9A W9IAI	050's 607 506 235	1081 904 432
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ	51 43 34 25 25 25 24	94 82 65 50 47 46	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L	172 171 154 149 135 124	306 300 277 273 256 232	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ	136 139 133 116 107 101	265 261 248 220 209 194	KD4OSO KB7JRC A CALL K7XN	29 28 <b>REA 7</b> QSO's 1202	57 53 POINTS 2060	CALL WA9TPQ NA9A W9IAI KB9TQI	QSO's 607 506 235 237	1081 904 432 419
W3VAL KA1ULN KD1XU N1RRE W1XF	51 43 34 25 25	94 82 65 50 47	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB	172 171 154 149 135 124 113	306 300 277 273 256 232 218	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS	136 139 133 116 107 101 99	265 261 248 220 209 194 194	KD4OSO KB7JRC ALL K7XN KC7DH	29 28 <b>REA 7</b> QSO's 1202 891	57 53 POINTS 2060 1557	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS	QSO's 607 506 235 237 231	1081 904 432 419 410
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM	51 43 34 25 25 24 2	94 82 65 50 47 46	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB	172 171 154 149 135 124 113 111	306 300 277 273 256 232 218 202	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH	136 139 133 116 107 101 99 91	265 261 248 220 209 194 194 170	KD4OSO KB7JRC ALL K7XN KC7DH W6YLJ	29 28 <b>REA 7</b> 0SO's 1202 891 542	57 53 POINTS 2060 1557 961	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ	QSO's 607 506 235 237 231 161	1081 904 432 419 410 315
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM	51 43 34 25 25 24 2 AREA 2	94 82 65 50 47 46 4	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ	172 171 154 149 135 124 113 111 106	306 300 277 273 256 232 218 202 194	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ	136 139 133 116 107 101 99 91 71	265 261 248 220 209 194 194 170 138	KD4OSO KB7JRC ALL K7XN KC7DH W6YLJ KA7CWS	29 28 <b>REA 7</b> 0SO's 1202 891 542 487	57 53 POINTS 2060 1557 961 863	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO	QSO's 607 506 235 237 231 161 152	1081 904 432 419 410 315 298
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM	51 43 34 25 25 24 2 <b>AREA 2</b> QSO's	94 82 65 50 47 46 4 POINTS	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP	172 171 154 149 135 124 113 111 106 99	306 300 277 273 256 232 218 202 194 190	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS	136 139 133 116 107 101 99 91 71 74	265 261 248 220 209 194 194 170 138 138	KD4OSO KB7JRC Call K7XN KC7DH W6YLJ KA7CWS N7PJP	29 28 <b>REA 7</b> 050's 1202 891 542 487 409	57 53 POINTS 2060 1557 961 863 764	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM	QSO's 607 506 235 237 231 161 152 135	1081 904 432 419 410 315 298 245
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC	51 43 34 25 25 24 2 <b>AREA 2</b> QSO'S 901	94 82 65 50 47 46 4 POINTS 1533	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV	172 171 154 149 135 124 113 111 106 99 97	306 300 277 273 256 232 218 202 194 190 182	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ	136 139 133 116 107 101 99 91 71 74 71	265 261 248 220 209 194 194 170 138 138 135	KD4OSO KB7JRC A Call K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330	57 53 POINTS 2060 1557 961 863 764 595	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE	QSO's 607 506 235 237 231 161 152 135 106	1081 904 432 419 410 315 298 245 204
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361	94 82 65 50 47 46 4 POINTS 1533 630	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ	172 171 154 149 135 124 113 111 106 99 97 93	306 300 277 273 256 232 218 202 194 190 182 174	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS	136 139 133 116 107 101 99 91 71 74 71 67	265 261 248 220 209 194 194 170 138 138 135 130	KD4OSO KB7JRC A Call K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7EQW	29 28 <b>REA 7</b> 0SO's 1202 891 542 487 409 330 297	57 53 POINTS 2060 1557 961 863 764 595 550	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL	QSO'S 607 506 235 237 231 161 152 135 106 106	1081 904 432 419 410 315 298 245 204 202
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305	94 82 65 50 47 46 4 POINTS 1533 630 512	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH	172 171 154 149 135 124 113 111 106 99 97 93 93 93	306 300 277 273 256 232 218 202 194 190 182 174 166	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM	136 139 133 116 107 101 99 91 71 74 71 67 66	265 261 248 220 209 194 194 170 138 138 135 130 126	KD4OSO KB7JRC A Call K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C	29 28 <b>REA 7</b> 0SO's 1202 891 542 487 409 330 297 282	57 53 POINTS 2060 1557 961 863 764 595 550 528	CALL WA9TPQ NA9A W9IAI K99TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS	QSO'S 607 506 235 237 231 161 152 135 106 106 99	1081 904 432 419 410 315 298 245 204 202 191
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235	94 82 65 50 47 46 4 4 POINTS 1533 630 512 448	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY	172 171 154 149 135 124 113 111 106 99 97 93 93 85	306 300 277 273 256 232 218 202 194 190 182 174 166 160	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I	136 139 133 116 107 101 99 91 71 74 71 67 66 63	265 261 248 220 209 194 194 170 138 138 135 130 126 125	KD4OSO KB7JRC A Call K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269	57 53 2060 1557 961 863 764 595 550 528 494	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA	QSO'S 607 506 235 237 231 161 152 135 106 106 99 87	1081 904 432 419 410 315 298 245 204 202 191 162
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN	51 43 34 25 25 24 2 AREA 2 0S0's 901 361 305 235 172	94 82 65 50 47 46 4 1533 630 512 448 324	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI	136 139 133 116 107 101 99 91 71 74 71 67 66 63 64	265 261 248 220 209 194 194 170 138 135 130 126 125 119	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330 297 282 269 262	57 53 2060 1557 961 863 764 595 550 528 494 479	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN	050's 607 506 235 237 231 161 152 135 106 106 99 87 79	1081 904 432 419 410 315 298 245 204 202 191 162 156
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164	94 82 65 50 47 46 4 1533 630 512 448 324 302	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 85 78	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH	136 139 133 116 107 101 99 91 71 74 71 67 66 63 64 62	265 261 248 220 209 194 170 138 135 130 126 125 119 114	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330 297 282 269 262 230	57 53 POINTS 2060 1557 961 863 764 595 550 528 494 479 438	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72	1081 904 432 419 410 315 298 245 204 202 191 162 156 144
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157	94 82 65 50 47 46 4 1533 630 512 448 324 302 271	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 79	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO	136 139 133 116 107 101 99 91 71 74 71 67 66 63 64	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330 297 282 269 262 230 195	57 53 POINTS 2060 1557 961 863 764 595 550 528 494 479 438 356	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157 100	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 79 78	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH	$136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 71 \\ 77 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 5$	265 261 248 220 209 194 170 138 135 130 126 125 119 114	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330 297 282 269 262 230 195 176	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157 100 70	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 85 78 79 78 72	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO	$136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 71 \\ 67 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100 \\ 100$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU	29 28 <b>REA 7</b> 050's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9LWN W9CEO N9VKE WA9SIJ KB9ARA	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65	94 82 65 50 47 46 4 1533 630 512 448 324 448 322 271 179 133 123	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 79 78 72 71	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH	$136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 71 \\ 77 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 54 \\ 5$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104	KD4OSO KB7JRC Call K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII	29 28 REA 7 050's 120'2 891 542 487 409 330 297 282 269 262 230 195 176 175 169	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157 100 70 65 66	94 82 65 50 47 46 4 1533 630 512 448 324 3271 179 133 123 115	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 85 78 85 78 79 78 72 71 58	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E	$\begin{array}{c} 136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 711 \\ 77 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 54 \\ 54 \\ 53 \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123 89
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2WDS	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157 100 70 65 66 58	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 85 78 79 78 72 71 58 63	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL	$\begin{array}{c} 136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 71 \\ 77 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 54 \\ 53 \\ 54 \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123 89 88
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2WDS WA2VTV	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65 66 58 56	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 79 78 79 78 72 71 58 63 59	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS	$\begin{array}{c} 136 \\ 139 \\ 133 \\ 116 \\ 107 \\ 101 \\ 99 \\ 91 \\ 71 \\ 74 \\ 71 \\ 67 \\ 66 \\ 63 \\ 64 \\ 62 \\ 54 \\ 54 \\ 53 \\ 54 \\ 50 \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98	KD4OSO KB7JRC ALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123 89 88 88
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2WDS WA2VTV KC2CJI	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65 66 58 56 51	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108 99	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF	172 171 154 149 135 124 113 111 106 99 97 93 93 85 85 78 85 78 79 78 72 71 58 63	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 54\\ 53\\ 54\\ 50\\ 51\\ \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123 89 88 88 84 82
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2WDS WA2VTV KC2CJI K2HCP	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48	94 82 65 50 47 46 4 90 512 448 324 302 271 179 133 123 115 110 108 99 95	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV	$\begin{array}{c} 172 \\ 171 \\ 154 \\ 149 \\ 135 \\ 124 \\ 113 \\ 111 \\ 106 \\ 99 \\ 97 \\ 93 \\ 85 \\ 85 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 72 \\ 71 \\ 58 \\ 63 \\ 59 \\ 55 \\ 56 \end{array}$	$\begin{array}{c} 306\\ 300\\ 277\\ 273\\ 256\\ 232\\ 218\\ 202\\ 194\\ 190\\ 182\\ 174\\ 166\\ 160\\ 155\\ 154\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 14$	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WX50 N5ACH NZ5E KC5GXL W5VCS W5JES K5CC	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40	1081 904 432 419 410 315 298 245 202 191 162 156 144 139 134 131 123 89 88 88 84 82 79
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2WDS WA2VTV KC2CJI K2HCP K2FOP	51 43 34 25 25 24 2 area 2 050's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108 99 95 90	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 149 149 149 135 114 111 109 109	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH N54CH N25E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ \end{array}$	265 261 248 220 209 194 194 170 138 135 130 126 125 119 114 107 104 103 100 98 98 98 90 89	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41	1081 904 432 419 410 315 298 245 204 202 191 162 156 144 139 134 131 123 89 88 88 84 82
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WM3K N2WDS WA2VTV KC2CJI K2HCP K2FOP KE2AG	51 43 34 25 25 24 2 area 2 aso's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108 99 95 90 90	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV	$\begin{array}{c} 172 \\ 171 \\ 154 \\ 149 \\ 135 \\ 124 \\ 113 \\ 111 \\ 106 \\ 99 \\ 97 \\ 93 \\ 85 \\ 85 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 79 \\ 78 \\ 72 \\ 71 \\ 58 \\ 63 \\ 59 \\ 55 \\ 56 \end{array}$	$\begin{array}{c} 306\\ 300\\ 277\\ 273\\ 256\\ 232\\ 218\\ 202\\ 194\\ 190\\ 182\\ 174\\ 166\\ 160\\ 155\\ 154\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 14$	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 54\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 45\\ 45\\ \end{array}$	265 261 248 220 209 194 194 170 138 135 130 126 125 119 114 107 104 103 100 98 98 98 90 89 70	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40	1081 904 432 419 410 315 298 245 202 191 162 156 144 139 134 131 123 89 88 88 84 82 79
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WA2JQK N2LQQ W2RJL KB2MRI W3K N2WDS WA2VTV KC2CJI K2HCP K2FOP KE2AG AA2WB	51 43 34 25 25 24 2 area 2 0so's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 37	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 08 99 95 90 90 72	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ \end{array}$	$\begin{array}{c} 306\\ 300\\ 277\\ 273\\ 256\\ 232\\ 218\\ 202\\ 194\\ 190\\ 182\\ 174\\ 166\\ 160\\ 155\\ 154\\ 149\\ 149\\ 149\\ 149\\ 149\\ 149\\ 140\\ 135\\ 114\\ 111\\ 109\\ 109\\ 108\\ 101\\ \end{array}$	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ \end{array}$	265 261 248 220 209 194 170 138 135 130 126 125 119 114 107 104 103 100 98 8 90 89 70 60	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM W9OO N9FWM W9OBL N9BSS W9CZA N9LWN W9CEO N9VKE W49SIJ KB9ARA W9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40 39	1081 904 432 419 410 315 298 245 202 191 162 156 144 139 134 131 123 89 88 88 84 82 79 78
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WW3K N2LQQ W2RJL KB2MRI WH3K N2LQQ W2RJL KB2MRI WH3K N2LQQ W2RJL KB2MRI WB2DVE	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 45 37 35	94 82 65 50 47 46 4 1533 630 512 448 324 324 271 179 133 123 115 110 108 99 95 90 90 72 70	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ \end{array}$	$\begin{array}{c} 306\\ 300\\ 277\\ 273\\ 256\\ 232\\ 218\\ 202\\ 194\\ 190\\ 182\\ 174\\ 166\\ 160\\ 155\\ 154\\ 149\\ 149\\ 149\\ 140\\ 135\\ 114\\ 111\\ 109\\ 109\\ 108\\ 101\\ 100\\ \end{array}$	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28 \end{array}$	265 261 248 220 209 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57 55	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM W9OO N9FWM W9OED N9DKS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40 39 35	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ \end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI W3K N2WDS WA2VTV KC2CJI K2HCP K2FOP KE2AG AA2WB WB2DVE KB2SQ	51 43 34 25 25 24 2 <b>AREA 2</b> 0S0's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 45 37 35 35	94 82 65 50 47 46 4 1533 630 512 448 324 324 271 179 133 123 115 110 108 99 95 90 90 72 70 69	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ 52\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111 109 109 108 101 100 98	K5LBU KM5FF W5UFA N5AFV K5HWI W5EJJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28\\ 27\\ \end{array}$	265 261 248 220 209 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162 142	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM W9OO N9FWM W9OBL N9BSS W9CZA N9LWN W9CEO N9VKE W49SIJ KB9ARA W9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40 39 35 34	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ 68 \end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI W3K N2WDS WA2VTV KC2CJI K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP KE2AG AA2WB WB2DVE KB2SQ W2ESK	51 43 34 25 25 24 2 <b>AREA 2</b> 030's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 45 37 35 35 35	94 82 65 50 47 46 4 1533 630 512 448 324 324 271 179 133 123 115 110 108 99 95 90 90 72 70 69 69	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO KU4W	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ 52\\ 41\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111 109 109 108 101 100 98 81	K5LBU KM5FF W5UFA N5AFV K5HWI W5EJJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV N9HED	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 28\\ 27\\ 26\end{array}$	$\begin{array}{c} 265\\ 261\\ 248\\ 220\\ 209\\ 194\\ 194\\ 170\\ 138\\ 135\\ 130\\ 126\\ 125\\ 119\\ 114\\ 107\\ 104\\ 103\\ 100\\ 98\\ 98\\ 90\\ 89\\ 70\\ 60\\ 57\\ 55\\ 52\\ 51\\ \end{array}$	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN K7WV	29 28 REA 7 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74 72	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 220 162 142 140	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM W9OO N9FWM W9QE0 N9UWN W9CE0 N9VKE W49SIJ KB9ARA W9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG KB9ORA	$\begin{array}{c} \text{OSO's} \\ 607 \\ 506 \\ 235 \\ 237 \\ 231 \\ 161 \\ 152 \\ 135 \\ 106 \\ 106 \\ 99 \\ 87 \\ 79 \\ 72 \\ 71 \\ 68 \\ 66 \\ 63 \\ 49 \\ 44 \\ 43 \\ 41 \\ 40 \\ 39 \\ 35 \\ 34 \\ 30 \end{array}$	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ 68\\ 59\\ \end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI W3K N2WDS WA2VTV KC2CJI K2HCP K2FOP KE2AG AA2WB WB2DVE KB2SQ W2ESK K2HLC	51 43 34 25 25 24 2 <b>AREA 2</b> 050's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 45 37 35 35 35 35 31	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108 99 95 90 90 90 72 70 69 69 62	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO KU4W KN4SS	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ 52\\ 41\\ 40\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 149 140 135 114 111 109 109 108 101 100 98 81 77	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV N9HED KK5DO	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28\\ 27\\ 26\\ 20\\ \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57 55 52 51 37	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN K7WV KC7LXU	29 28 REA 7 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74 72 72	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162 142 140 136	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE W495IJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG KB9ORA KA9AMQ	050's 607 506 235 237 231 161 152 135 106 106 99 87 79 72 71 68 66 63 49 44 43 41 40 39 35 34 30 28	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 9\\ 79\\ 78\\ 70\\ 68\\ 59\\ 56\end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2UQQ W2RJL KB2MRI WW3K N2WDS WA2VTV KC2CJI K2HCP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2FOP K2F	51 43 34 25 25 24 2 <b>AREA 2</b> 050°s 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 37 35 35 35 35 31 31	94 82 65 50 47 46 4 1533 630 512 448 324 322 271 179 133 123 115 110 108 99 95 90 90 272 70 69 69 69 62 58	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K9EHP K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO KU4W KN4SS K4HTU	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 63\\ 50\\ 52\\ 41\\ 40\\ 40\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111 109 109 108 101 100 98 81 77 76	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5IO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV N9HED KK5DO W5BXX	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28\\ 27\\ 26\\ 20\\ 12\\ \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57 55 52 51 37 23	KD4OSO KB7JRC CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN K7WV KC7LXU K7YQI	29 28 REA 7 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74 72 72 71	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162 142 140 136 135	CALL WA9TPQ NA9A W9IAI KB9TQI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SIJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG KB9ORA KA9AMQ KA9BLW	050's         607           506         235           237         231           161         152           135         106           106         99           87         79           72         71           68         66           63         49           44         43           41         40           39         35           34         30           28         25	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ 68\\ 59\\ 56\\ 50\\ \end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WAIDUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2ANT WA2JQK N2LQQ W2RJL KB2MRI WW3K N2WDS WA2VTV KC2CJI K2HCP K2FOP KE2AG AA2WB WB2DVE KB2SQ W2ESK K2HLC WB2GTG W9ETU	51 43 34 25 25 24 2 area 2 050's 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 45 37 35 35 35 35 31 31 27	94 82 65 50 47 46 4 1533 630 512 448 324 302 271 179 133 123 115 110 108 99 95 90 90 72 70 90 90 72 70 90 95 90 90 95 90 90 92 58 54	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO KU4W KN4SS K4HTU KE4HW	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ 52\\ 41\\ 40\\ 40\\ 38\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 140 135 114 111 109 109 108 101 100 98 81 77 76 74	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5OO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV N9HED KK5DO	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 67\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28\\ 27\\ 26\\ 20\\ \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57 55 52 51 37	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN K7WV KC7LXU K7YQI W7EY	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74 72 72 71 69	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162 251 240 136 135 133	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SUJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG KB9ORA KA9AMQ KA9BLW KA9BLW	050's         607           506         235           237         231           161         152           135         106           106         99           87         79           72         71           68         66           63         49           44         43           41         40           39         35           34         30           28         25           14	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ 68\\ 59\\ 56\\ 50\\ 26\\ \end{array}$
W3VAL KA1ULN KD1XU N1RRE W1XF WA1DUZ N1LSM CALL N2EOC N2XT WA2SUH K2BIL KF5UN K2BIL KF5UN K2BIL KF5UN K2LQQ W2RJL KB2MRI W2JQK N2LQQ W2RJL KB2MRI W2VTV KC2CJI K2HCP K2FOP K2FOP K2FOP K2FOP K22AG AA2WB W2DVE KB2SQ W2ESK K2HLC WB2GTG	51 43 34 25 25 24 2 <b>AREA 2</b> 050°s 901 361 305 235 172 164 157 100 70 65 66 58 56 51 48 45 37 35 35 35 35 31 31	94 82 65 50 47 46 4 1533 630 512 448 324 322 271 179 133 123 115 110 108 99 95 90 90 272 70 69 69 69 62 58	KC4TBS KL7NL N4ZCG W4SKW KZ3T AE2L KK4TB KC4OPB WD4FFQ K4HAV WA4TMJ K4YFH KC4RIY N4SLC K3ISS N4EWG N4ERM KS4IB WA4NOT KE4BGQ KS4RX KG4BIG AE4TF KJ4RV AB4HR K4RL W4TBO KU4W KN4SS K4HTU KE4HW AA4PR	$\begin{array}{c} 172\\ 171\\ 154\\ 149\\ 135\\ 124\\ 113\\ 111\\ 106\\ 99\\ 97\\ 93\\ 85\\ 85\\ 78\\ 79\\ 78\\ 72\\ 71\\ 58\\ 63\\ 59\\ 55\\ 56\\ 53\\ 50\\ 52\\ 41\\ 40\\ 40\\ 38\\ 36\\ \end{array}$	306 300 277 273 256 232 218 202 194 190 182 174 166 160 155 154 149 149 149 149 149 149 109 109 108 101 100 98 811 77 76 74 72	K5LBU KM5FF W5UFA N5AFV K5HWI W5EIJ W5QVS KA5EYH W5CJZ N2JAS KC5ZFZ AB5NS WA5JDM WX5I KC5DUI N5UMH WA5IO N5ACH NZ5E KC5GXL W5VCS W5JES K5CC AB5FG KJ5RC KA5LQJ N5LHN W0HED KB5VV N9HED KK5DO W5BXX	$\begin{array}{c} 136\\ 139\\ 133\\ 116\\ 107\\ 101\\ 99\\ 91\\ 71\\ 74\\ 71\\ 66\\ 63\\ 64\\ 62\\ 54\\ 53\\ 54\\ 50\\ 51\\ 45\\ 36\\ 30\\ 30\\ 28\\ 27\\ 26\\ 20\\ 12\\ \end{array}$	265 261 248 220 209 194 194 170 138 138 135 130 126 125 119 114 107 104 103 100 98 98 90 89 70 60 57 55 52 51 37 23	KD4OSO KB7JRC A CALL K7XN KC7DH W6YLJ KA7CWS N7PJP KB7EQW KB7ZGP WV7C KC7OC KD5YG N7QOZ KE4GDQ W6AEA KF7PU KA7CII W7DAZ K7POS NS7B KC7QGW K7PRZ N7JCZ WA7SHW KB7RFN K7WV KC7LXU K7YQI W7EY KD7UZ	29 28 <b>REA 7</b> 0S0's 1202 891 542 487 409 330 297 282 269 262 230 195 176 175 169 145 131 127 125 112 118 84 74 72 72 71 69 53	57 53 2060 1557 961 863 764 595 550 528 494 479 438 356 329 325 321 276 251 240 237 221 220 162 142 140 136 135 133 106	CALL WA9TPQ NA9A W9IAI K9JLS KE9WZ W9OO N9FWM WA9TWE K9OBL N9BSS W9CZA N9LWN W9CEO N9VKE WA9SUJ KB9ARA WB9OMC KA9JCP KE9VK WA9SFH W9AX KA9FCF KA9HFA KB9LPM KB9AMG KB9ORA KA9AMQ KA9BLW KA9BLW	050's         607           506         235           237         231           161         152           135         106           106         99           87         79           72         71           68         66           63         49           44         43           41         40           39         35           34         30           28         25           14	$\begin{array}{c} 1081\\ 904\\ 432\\ 419\\ 410\\ 315\\ 298\\ 245\\ 204\\ 202\\ 191\\ 162\\ 156\\ 144\\ 139\\ 134\\ 131\\ 123\\ 89\\ 88\\ 84\\ 82\\ 79\\ 78\\ 70\\ 68\\ 59\\ 56\\ 50\\ 26\\ \end{array}$

# **2000 Winter Phone Contest Results**

AF	REA Ø		ARC	ENTINA		C	ANADA		1	HAWAII		PUEI	RTO RIC	20
CALL	QSO's	POINTS	CALL	QSO's	POINTS	CALL	QSO's	POINTS	CALL	QSO's	POINTS	CALL	QSO's	POINTS
K5GAY	954	1613	LU3CT	1100	1854	VE7NF	791	1394	KH7B	166	306	KP4GSC	206	383
N0PG	607	1062	LU5VV	1073	1750	VE5BCS	347	627	KH6F	153	305	WP4LNY	149	233
KC0CMZ	581	944	LU6HSV	154	276	VE5RMO	234	425	WH6LL	78	150	KP4KOE	117	217
KB0TFT	289	536				VEE4ALN	201	387	KH6DRT	20	40			
KB0MZG	267	480	AUS	STRALIA		VE3BUC	208	369				R	USSIA	
KB0WPY	223	403	CALL	QSO's	POINTS	VE7ACM	59	114		RELAND		CALL	QSO's	POINTS
KB0WHY	213	393	VK3AFM	95	176	VE5KM	41	82	CALL	QSO's	POINTS	UA0EX	48	61
KB0GEC	164	299	VK6PP	22	44	CG2PIJ	30	57	EI5HX	34	61			
WB0RHR	108	208				VK3MRG	21	42					N ISLAN	
WORTV	105	203		LGIUM						ISRAEL		CALL	QSO's	POINTS
KB0UDM	100	186	CALL	QSO's	POINTS		GLAND		CALL	QSO's	POINTS	VP2VF	1748	2781
N0DGB	96	186	ON4CAS	234	428	CALL	QSO's	POINTS	4Z5GV	39	77	NP2DJ	247	448
KB6UPG	94	176	ON4LCY	244	421	G3MDH	32	55		TADAN				
K0DAT	73	142	ON4CN	109	180				CALL	JAPAN QSO's	POINTS	CALL	VALES QSO's	POINTS
KB0MZE	63	125	ON6CU	72	118		RANCE		JA5GPJ	193	309	GW0IWD	425	704
N0XL	62	122	ON4LCG	23	42	CALL	QSO's	POINTS	JA10GT	150	260	Guoind	425	704
KC0FQD	63	121	ON4KVA	24	37 30	F6IRG	76 25	143 49	JAIQUI	150	200	711	<b>1BABWE</b>	7
KA0ZIA	56	111	ON4BG ON5CZ	16	30 23	FE6FNA	25	49	т	AMAICA		CALL	QSO's	POINTS
KA0EIC	55	107		12	23 14	CE			CALL	QSO's	POINTS	Z21CS	219	351
KD0IR	54	96	ON7YO	7	14	GE.	RMANY QSO's	POINTS	6Y5DA	1106	1712	KC5GXL	54	100
KE6QR	48	95	DE			DL8UD	741	1310						
WA5BOW	49	95	CALL	RMUDA QSO's	POINTS	DK3KD	563	1039	LUX	EMBOUR	RG		ORP	
WB0GGO	45	87	VP9IX	205	358	DK7LA	258	480	CALL	QSO's	POINTS	CALL	QSO's	POINTS
WB0DML	42	83	11911	205	550	DJ6DO	250 99	198	LX1NO	292	523	W7MC	243	447
KC7KDZ	42	81	В	RAZIL		DH1PAL	57	111				KJ7WK	47	89
WB0QKN	32	63	CALL	QSO's	POINTS	DJ2YE	48	85		V ZEALAN				
KOLLS	32	62	PY2DBU	10	19	20210	40	05	CALL	QSO's	POINTS			
NOWM	29	52							ZL3JD	110	216			
KD6MXL	24	47							ZL1KQ	82	161			

# **2000 WINTER PHONE CONTEST = CHAPTER SCORES**

				_	
CALL	LOG's	POINTS	CALL	LOG'S POINT	S CALL LOG'S
C.A.T.T	20	5670	SPRINGBOC	2 1099	CASTLE CRAIG 1
POSSUM TROT	23	4396	FT MCHENRY	5 1029	PORTLAND 500 1
AZ DESERT	7	4114	CHESAPEAKE	2 888	MISSIPPI LIGHTHOUSE 1
CITY OF LIGHTS	16	3919	BAUXITE	4 818	3 SHOT2
OUTLAW	4	3549	CYPRESS	2 780	MICHIANA 1
BROOKLYN BRIDGE		3421	PINE STATE	3 72	CRATER LAKE 1
CHANNEL ISLANDS.	7	3057	ALII	3 65'	CHIEF SEATTLE 2
CITY OF ROSES	4	2793	MO-KAN	5 644	CITY OF MELBOURNE 1
HOUSTON SHOT	9	2541	BAY AREA	1 554	Milwauke2
BATTLEROAD	10	2459	OUTLAWS	1 503	3 STLHB 1
GOLDEN BEAR	10	2418	CRAZY EIGHTS	4 499	TROTTERS & PACERS
STEEL CITY	11	2129	GATEWAY	4 438	OLD DOMINION 1
BORINAGE	10	2028	MICHIGAN ROBINS	1 434	SUNCOAST 1
WATERKANT	2	1790	REPUBLIC OF TEXAS	4 420	MS 1
LONE STAR	4	1690	FLYING TIGERS	1 414	WHITE HOUSE 1
BRANDING IRON	4	1562	NEANDERTHAL	3 394	ELECTRIC CITY 1
LILAC CITY	4	1392	SKY BLUE WATERS	3 380	COFFEE CUP 1
WINDFARMS	4	1100	DOWN UNDER	2 377	,

# **ERRATA – 2000 WINTER PHONE CONTEST**

There were three logs disqualified because the were submitted with NO proof of dues.

One log disqualified because NO cover sheet was included.

Four logs were disqualified because they were postmarked AFTER the final Postmark Date of Feb 21.

# PLEASE BE CAREFUL IN WHEN FILLING OUT YOUR COVER SHEET TO MAKE SURE YOU HAVE **EVERYTHING INCLUDED!**

# ERRATA - 1999 FALL CW

Two logs were stuck together and one was inadvertently not counted. Please correct the individual records for the 5th call area to:

AA5XQ 35 67 KC5BKT 26 55 W5CJZ 22 50 and the Chapter results to: Bauxite 2 122 ALII 1 122



POINTS

331 321

304

285 237 220

218

176

173

170

152

111

109

70

68

63

60

A correction was also reported to the 1999 Day Sprint 6th Call area - K6ACK should have been K6ASK - sorry Bob!

# **MEMBERSHIP INFORMATION AND SERVICES**

# WOULD YOU LIKE TO JOIN 10-10?

## Here is what you need:

1. You must hold a valid amateur operator license.

2. Your valid amateur operator license MUST authorize or qualify you for unsupervised transmitting operations in the ten meter amateur band under your own personal call sign.

3. You must make contact with ten members of 10-10 and submit a log listing all contacts, their 10-10 number, call sign, name, date of contact, city, and state or country. A new member application and contact log is available in Section 1 on page 31 of this publication.

4. You must remit dues for one or more years full membership. Fee schedule and payment information can be found in Section 2 on page 31 of this publication.

# **TYPES OF MEMBERSHIPS**

Please see fee schedule in Section 2 on Page 31

# **Primary Membership**

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

# Family Membership

Family membership consists of a primary member and one or more family members who qualify as a 10-10 member (has made the necessary 10 contacts) and who reside at the same location and postal address. Family memberships run concurrently with that of the primary member. Add \$3 for each additional family member for each year. Only the primary member will receive a copy of the *10-10 News*.

# Life Membership

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

# Senior Life Membership

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

# Family Life Membership

Family life membership consists of a primary life member and one or more family members who qualify as a 10-10 member (has made the necessary 10 contacts) and who reside at the same location and postal address. Family life memberships run concurrently with that of the primary life member. Family life membership ends when the primary life member becomes an SK. Add \$75 for each additional family life. Only the primary life member will receive a copy of the *10-10 News*.

# **Membership Renewals**

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

# *Catch us on the WEB* http://www.ten-ten.org

# DATA MANAGER SERVICES

# Call/Name/Address Changes

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

# 10-10 Stamps

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

# 10-10 Static Clinger Logo

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

# **10-10 Information Brochure**

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

# 10-10 Roster = Hard Copy

A limited print run in January, the hard copy roster is printed on both sides of 3-hole punched 8½ x 11 paper. The roster lists 10-10 number and call. SK's are identified. Cost is \$11 US Zip Codes or \$14 DX postpaid. Sold on a first come, first served basis. Advance orders are appreciated.

# XXIQ

XXIQ is a roster on a disk. It will search for a call if the 10-10 number is known or a 10-10 number if the call is known. It is available FREE at the 10-10 Web Site (updated monthly) or may be ordered on a 3.5" 1.44MB disk from the Data Manager for \$5 US Zip Codes or \$7 DX postpaid.

# XXIP

XXIP is the expanded version of XXIQ, offering 10-10 number, call, name, address, city, state/country, membership status, expiration date, SK status, and will print address labels. Updated quarterly, it is available on three 3.5" 1.44MB disks from the Data Manager for \$10 US Zip Codes or \$13 DX postpaid.

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

# Awards and Certificate Guide

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

> Brad Kimble, KØDBK #55192 3855 66th St. E Inver Grove Heights, MN 55076-2222

# **Scholarship Donations**

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

> Morrie Goldman, W6EHM #04189 10-10 Scholarship Manager 21518 Marjorie Avenue Torrance, CA 90503-6418

## **APRIL 2000**

**10-10 INTERNATIONAL NEWS** 

# SECTION 1 – MEMBERSHIP APPLICATION AND CONTACT LOG

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

Please print your Name		Call
Address		Year of Birth
City		State or Country
Postal/Zip Code	E-mail Address	

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

## I certify that I meet the membership requirements\* of 10-10\_

3	* as listed on Page 30 c	of this publication	YOUK	R SIGNATURE	
	10-10	Call Sign	Operator's Name	Date of Contact	QTH (State, Province or DX Country)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

# **SECTION 2 – FEE SCHEDULE AND PAYMENT INFORMATION**

10-10 FEE SCHEDULE	US Zip Codes	DX
New Members	<b>]</b> \$ 10	🛛 \$ 13
Renewals (yearly)	<b>]</b> \$ 10	🛛 \$ 13
Renewals – 3 year incentive	<b>\$</b> 25	🛛 \$ 34
Family Membership (yearly)	<b>□</b> \$ 3	<b>□</b> \$ 3
Life Membership	🛛 \$ 250	<b>\$</b> 325
Senior Life	🛛 \$ 85	🛛 \$ 100
Family Life Membership	<b>\$</b> 75	<b>\$</b> 75
Enter Total		

US Postal Codes and LIFE Memberships mail to Data Manager, Ten-Ten International Net, Inc. PMB142

> 643 N. 98th Street Omaha, NE 68114-2342 USA

for information email: wa6poz@aol.com

DX Applicants mail to:

Carol Hugentober, K8DHK #29588 DX Area Manager 4441 Andreas Avenue Cincinnati, OH 45211-2622 USA for information email: k8dhk@juno.com

# METHOD OF PAYMENT

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

□ MASTERCARD	Account (Please include all the numbers on your credit card)
	Good Through:
Name of Cardholder	PHONE (required):
SIGNATURE of Cardholder	Date:
For ch	arges this form may be faxed to 10-10 International Net, Inc. at 402-891-2481

### **10-10 QSO PARTY COVER SHEET CONTEST BOX** SCORING BOX (effective January 2000) Please Check Contest Box NO. OF MULTIPLY CONTACT TYPE POINTS WINTER PHONE... WITH 10-10 Number x 2 SPRING CW ...... SUMMER PHONE . WITHOUT 10-10 Number x 1 FALL CW..... Total QSO Party Points (Sum of 2 lines above) 10-10 SPRINT ...... **ENTRY BOX** CHECK LIST **Please Check Entry Type** 1. Proof of current Membership enclosed ...... NO YES 🗖 INDIVIDUAL ...... This page (OR a photocopy of this page) showing your address label -OR-CLUB..... a photocopy of your membership card QRP..... 2. Dupe Sheet(s) enclosed (50 or more contacts) ...... NO YES 🗖 3. Log in UTC Date/Time...... NO YES Chapter Assignment (if any) 4. Cover Sheet enclosed ...... NO YES 🗖 All Check List items must be answered YES, pertinent information in the Contest and Entry boxes must be entered, and all blanks in the **Call Area or ARRL Country** Scoring Box must be filled in to be an acceptable log submittal. you operated this QSO Party from See QSO Party Calendar for contest dates and mailing information 10-10 International Net, Inc. TIME TO RENEW? EXPIRATION DATE PRE-SORTED IS ON MAILING LABEL BELOW FIRST-CLASS MAIL **PMB 142** U.S. POSTAGE 643 N. 98th Street PAID **OMAHA, NE** Omaha, NE 68114-2342 **FIRST CLASS PERMIT** 1799 **Address Services Requested**

