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# 10-10 INTERNATIONAL NEWS

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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 or Color are acceptable. Include complete information on the back of each photo. Attach a label or other suitable paper to the back of the photo and write all information on the label, not the photo. Please mail to:

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**December 1, 2000**

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ON THE COVER: CME on July 14, 2000. More pictures can be seen at <http://sohowwww.nascom.nasa.gov/data/CME/>  
For related story see "Where's the Signal?" on page 6.

**10-10 NET CONTROL STATIONS**

**ALL NETS BEGIN AT 1800Z**

Monday (28.380) .....	Dick, K6PZE #01341
Monday (28.800) .....	"Scotty", WA6TQC #00071
Tuesday (28.380) .....	Russ, N5EJS #01525
Tuesday (28.800) .....	Dirk, VP2VF #63440
Wednesday (28.380) .....	Christine, N7PVL #58018
Wednesday (28.800) .....	Louise, N6ELK #36654
Thursday (28.380) .....	Bill, AA6ZW #63205
Thursday (28.800) .....	Robert, KQ4PK #62071
Friday (28.380) .....	Dan, WV4Y #39409
Friday (28.800) .....	Alan, VE4ALN #69217
Saturday (28.380) .....	Tom, KA9EKG #70731
Saturday (28.800) .....	Don, KB6QLC #42822
Sunday .....	"NEVER ON SUNDAY"

*from the office of the*  
**PRESIDENT**  
*of*  
**10-10 International**

**Tom Henderson**  
**K4CIH #33233**



Hot, hot and more hot here in the south. No rain and band conditions lousy for us. The last QSO Party coughed up only 86 points, but many South American contacts. It was good to hear Ronnie and the group from Argentina. I had planned to attend the Huntsville Alabama Ham Fest and hopefully meet up with W4RNL L.B. Cebik, but it was necessary to attend a funeral on Saturday. One good note for 10-10 concerning L.B. is that he has written a book consisting of antenna information, which is to be distributed by 10-10. You will find more information concerning L.B. and the book elsewhere in the News.

The Board of Directors met in June in Boise ID and many "Kudos" to Mike Elliott K7BOI for setting up the meeting. Hotel and meeting rooms were great and the hospitality was more than expected. Arriving early gave Jean and I an opportunity to motor around the area. If you ever do land in Boise, be sure to get out into the countryside. It is beautiful and worth seeing. I can't say much for the air trip home, as United was not only late, but re-routed twice and a day late getting back. The "Friendly Skies" were neither too friendly nor were the people in Chicago filled with compassion.

The Board of Directors finalized any lingering changes that were necessary for the updates to the awards programs. The "Worked all State Capitals" award has been put on temporary hold for now due to lack of participation. This award will be turned over to the membership committee for restructure. If you have a certificate please hold on to it and more will be coming on this award. Also, if you have suggestions or comments concerning this award, let me know. WAS (Worked all States) is temporarily at "my house". Please send all applications or questions to K4CIH. I want to personally thank Scott Brackeen for his years of service.

As you all know, 10-10 funds five \$1000 scholarships each year. The scholarships are dispensed by the Foundation for Amateur Radio, which handles many scholarships for other groups as well. Donations to the scholarship fund are the key to us being able to fund these five scholarships. It is more than worthwhile to be able to help deserving young people with their educational goals. This year we have fallen a good bit behind in our donations and I once again am asking you to please find a

*(Continued on page 4)*

**PRESIDENT....continued from page 3**

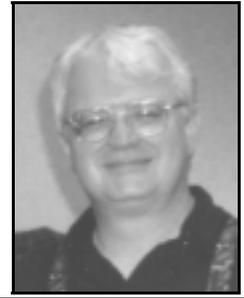
buck or two to help with this worthwhile endeavor. No matter how large or small, we will be appreciative any donation and certificate of appreciation will be issued. Send all donations to W6EHM Morrie Goldman or Scholarship Manager. Morrie's address is listed on page two of the News.

As for the PSK and digital modes! Hang on everybody; we are looking into the possible changes for the QSO Parties. More will come on this later.

With the election almost over at this writing, I wish to welcome the new Director G4BLH Mike Crawshaw and am happy to see Larry WA2SUH and Joe WA9TSG re-elected. Linda KJ4FM is really not a new Director and has served previously on the Board and in many capacities with 10-10. Welcome back Linda, we can hardly wait! For those members who did not get elected, I thank you for your interest and please try again. Volunteers are the backbone of 10-10 and if you check the volunteer roles you will see some mighty dedicated folks.

One last item is the Y2K contest, which has been won by WB4FBS Cliff Taylor, down there in old San Antonio Texas. Way to go Cliff. Not to be outdone by a fellow Texan, Mike Davidson N5MT completed the difficult challenge of obtaining 2000 different 10-10 contacts by July. "Whoa" said Cliff "don't forget me, I came in second with this one". All I can say is congratulations to both of you and the plaques are being made. No easy task was Y2K or 2000 in 2000 and I appreciate all who have participated and are continuing to do so. Don't give up because the Texans won everything, there are still certificates to be awarded.

Convention 2001 has been settled. The selected site is Worcester MA, with K1IEQ Ken Harmon as the chairman. Pre-register any time before June 12, 2001. The registration form is available in the 10-10 News on page 5 and is also available on-line from k4cih2@home.com. Chapters wishing to donate a prize for the banquet drawing, please contact Ken at k1ieq@aol.com. More convention news in coming editions of the 10-10 News and at <http://www.qsl.net/kc1fv/brchap.html>

**WY's  
Words****(editor stuff)**Steve Rasmussen  
NØWY #68684

Well, a few more changes. I hope you like them. The front cover was a real challenge because the available picture was not high enough resolution to put directly into the News. I ended up using a very high end color laser printer to print out the front page as a photo, and then scanning it back in at a higher dpi. It worked! Now I have a project for you! See if you can find some great pictures. *The image must be sharp and clear.* You can mail them direct, or have them scanned at 300 dpi or more and put them on CD or disk or email to me direct. If you have a digital camera, then take some high definition pictures and then send them to me (standard images are compressed too far for a front page picture). I can take large digital images via email with no problem. Please – check with me first before sending them!

Now, what kind of pictures do I want for the News? Good question. What do you think would look good on the front? I would like to see some impressive 10 meter antenna systems or operating stations (with operator!). Use your imagination. There's all kinds of pictures that could work. I will select one each quarter to put on the front page. Let's start with the January 2001 edition. Who will be the first to send me a great picture?

On a side note – the last two issues I have asked for info regarding current OM/XYL teams. Are you a team and have not told me? I can still use your input. Please tell me! I have a lot of info in my hands but was not able to get it published this issue – too much stuff! What a wonderful problem! I have some left over this issue and that makes me sad I couldn't get it in, but happy because you are all helping me so much! Thank You!

Until next we meet – 73 de Steve



CHUCK  
NØCKW #08105  
visiting  
ROSEMARY  
KL7LA #31437  
in her Alaska home  
in July.

-----  
Rosemary showing off  
her radio station



**PHOTOCOPY THIS PAGE FOR YOUR PRE-REGISTRATION FORM****TEN-TEN INTERNATIONAL NET, INC.  
CONVENTION '2001' WORCESTER, MA**

July 12 - 14, 2001

**CONVENTION PRE-REGISTRATION: Please print**

If you would like to have an emergency phone number available while at the convention, please place here with area code. (\_\_\_\_\_)\_\_\_\_\_

Name: \_\_\_\_\_ Call: \_\_\_\_\_ 10X \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

County: \_\_\_\_\_ St: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Country: \_\_\_\_\_

Number of people attending @ \$10.00 Ea. \_\_\_\_\_ Total \$ \_\_\_\_\_

Number for Banquet @ \$25.00 Ea. \_\_\_\_\_ Tickets will be sent. Total \$ \_\_\_\_\_

TS-50S Tickets @ \$5 donation Ea./OR 6 FOR \$25 Pre-registration only Total \$ \_\_\_\_\_FT 840 Tickets @ \$5 donation Ea. /OR 6 for \$25 General Drawing for all Total \$ \_\_\_\_\_Historical Tour @ \$20.00 each, Pre-registration required Total \$ \_\_\_\_\_

Chapter Tables @ \$10 Ea. or 2 for \$18. Total \$ \_\_\_\_\_

TOTAL \$ \_\_\_\_\_

Room reservations may be made by calling the Holiday Inn, Worcester, MA (508) 852-4000 – Fax (508) 854-0781. Ten-Ten will not make your room reservations. Make sure you mention 10-10 International Net, Inc. to obtain the convention price. Reservations must be made and confirmed with major credit card before 6/12/2001. Cancellations must be made within 48 hours of scheduled arrival date. The hotel will bill no shows and late cancellations at the contracted room rate. The room rate is \$72.00

Mail this form and checks must be made out to Tom Henderson 10-10 International and send to:  
Tom Henderson, K4CIH  
4901 15<sup>th</sup> Place East  
Tuscaloosa, AL 35404-4522

ALL PRE-REGISTRATIONS commence 1/2/01 and MUST BE IN BY 6/12/01. Registration for local walk-ins will also be done at the registration table starting at 1700 Thursday 7/12/01.

Chapter tables set-up will begin at 1700 Thursday, 7/12/01 in the Chartley Room. Chapters must pre-register to obtain a table(s). Breakdown of tables, etc., must be done by 1600 Saturday.

Members/guests must pre-register for the banquet. There will be a very limited supply of tickets available for those who do not pre-register. Place your call or name on the back of your banquet ticket for surprise door prize drawing.

Once again we ask all Chapters to donate a prize for the prize drawing. These can be sent to Ken Harmon, K1IEQ, 17 Lincoln Lane, Sudbury, MA 01776. Further information concerning the hotel, restaurants and area will be supplied in your pre-registration packet. All other information concerning the area, airlines, car rentals, etc. may be obtained by contacting K1IEQ. It has been requested that you please bring a blank QSL card with you to registration table.

*more information at <http://www.qsl.net/kc1fv/brchap.html>*

# WHERE'S THE SIGNAL?

BY TOMAS HOOD NW7US

Where's the signal? If you're like me, you waited with great anticipation for the peak of this solar cycle. And now wonder why Ten Meters remained marginally useful throughout this summer. When openings occurred, there were few times when it was open worldwide. I remember the last solar cycle when I could work all night long, and all over the world, from a 25-watt mobile radio and a simple 1/4 wave whip. This summer, I often hear nothing but static. Despite the reasonably high Solar Flux, which supports worldwide propagation at the frequencies we love, signals seem sparse. Something is causing a disruption on Ten Meters.

In an attempt to find the answer, I am asking you to briefly dip with me into the heady waters of propagation science and solar phenomena. Because of space limitations, I'm asking you to pick up any ARRL Radio Handbook edition and read the chapter on radio wave propagation. There you'll find a good introduction to the basics of the science. In this article, I am focusing on one physical event that affects our use of Ten Meters, the CME.

Ten-meter propagation is directly tied to the Ionosphere. The more ionization occurring in the F-layers, the higher the frequencies which refract back toward the earth. The highest frequency that will refract back from the Ionosphere over a selected point-to-point path is known as the Maximum Usable Frequency, or MUF. At the peak of the solar cycle, we expect the MUF to be at or higher than the frequencies of the ten meter Amateur allocation. But the other layers of the Ionosphere can block our transmissions, and the earth's geomagnetic field has an impact, as well. The Lowest Usable Frequency, or LUF, is the lowest frequency that can propagate via the Ionosphere over a particular point-to-point path. When the LUF increases to or above the MUF, then communications are next to impossible over the given path.

The Sunspots, which we hope increase (this is where we derive our Solar Flux indices), cause the F Layers to ionize, giving us sky-wave communications. But there are also an increase in solar flares, and coronal holes. Solar flares are giant eruptions that send ultraviolet, x-ray and gamma-ray photons racing out into space. And when those photons pass by Earth, they, in part, increase the ionization of the D Layer. When this happens, we experience degradation of radio signal strength. The D Layer begins to absorb the radio waves, causing Radio Blackouts.

But solar flares are not the only eruption from the Sun. On the surface of the Sun, called the Corona, many complex things are happening. One of the daily occurrences is called a Coronal Hole. Coronal Holes are regions where the Corona is less dense than the surrounding area. These large-scale features are "open" magnetic field regions that are sources for high-speed streams of solar electrons, protons, and ions (plasma). When the "open" magnetic regions experience catastrophic disruption they eject plasma away from the sun. This is known as a Coronal Mass Ejection. It once was thought that Coronal Mass Ejections were initiated by solar flares. Although flares accompany some, it is now known that most CMEs are not associated with flares. CMEs can occur at any time during the solar cycle, but their occurrence rate increases with increasing solar activity and peaks around solar maximum. Since the Sun completes a full rotation every 28 days, the same CME's may recur every month. The exact processes involved in the release of CMEs are not known, but we do know a lot about how they affect the Earth, and Ten Meters.

Let's look at the relationship between coronal material and magnetic fields. The Corona is so hot that the gases in it loose some of their electrons in the powerful collisions between atoms. This plasma is a mixture of positively-charged ions and negatively-charged electrons. Take a look at a Neon light. You are looking at plasma. Because plasmas are electrically conductive, they can steer magnetic fields. And they are steered by magnetic fields. CMEs drag a piece of the Sun's magnetic field with it. These loops of magnetic force are stretched and dragged into interplanetary space by the inertia of the expanding plasma. When these magnetic forces impact the Earth they are either diverted by or combined with Earth's magnetic field.

The speed of a CME ranges from less than 50 to about 2000 kilometers per second. As the CME moves outward from the Sun, it generates a shock wave that can accelerate particles in interplanetary space to high energies. When a CME or its shock wave passes the Earth, geomagnetic storms are triggered. The majority of large and major geomagnetic storms are generated by the encounter with both the interplanetary shock and the CME that drives it. Their ability to disturb the Earth's magnetosphere is a function of their speed, the strength of their magnetic field, and the presence of a strong southward magnetic field component.

*(Continued on page 7)*

(Continued from page 6)

The Earth's magnetosphere is formed from two essential ingredients, the Earth's magnetic field (which has much the same form as that of a bar magnet, and is from pole-to-pole), and the solar wind. When the CME combines with the Earth's magnetic field, it alters the shape and intensity of this shield around the Earth. The Ionosphere is affected by these changes, either by an increase of ionization, or a decrease or even a depletion of ionization. Depressions in ionospheric density cause major communications problems because radio frequencies that previously had been refracting off the ionosphere now punch through. The MUF can be decreased by a factor of two during an ionospheric storm event. Storm effects are more pronounced at high latitudes.

When a CME is directed toward Earth and arrives after the two- to three-day journey, the interaction

between the CME, solar wind, and the magnetosphere and ionosphere causes Aurora. Ten-Meter propagation off of Aurora is an exciting activity. At the same time, we bemoan the loss of communication caused by the degraded ionization of the Ionosphere. But hang in there! While CMEs affect us year-round, they are not as common as solar flares and solar wind. As winter draws near, those of us in the Northern Hemisphere will be impacted less by the solar flare occurrences and solar wind, since the exposed part of the Ionosphere over our communication paths is minimized.

There is a lot more that we can explore together. Perhaps if interest exists, I can dive into more detail in the near future. See you on the band!

*by Tomas Hood, copyright, 2000 All rights reserved,  
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NW7US - nw7us@hfradio.org <http://hfradio.org>*

ps: if you would like to see more on this subject – let me know! - editor

## Riley Hollingsworth Speaks to MARC and MARS

*by Al Kaiser NIAPI - 25468*

Riley Hollingsworth, K4ZDH, the FCC Special Counsel for Amateur Radio Enforcement spoke at a combined meeting of The Meriden Amateur Radio Club, [MARC] (Castle Craig Chapter of 10-10), and The Middlesex Amateur Radio Club [MARS] on August 28, 2000 at Mountainside Resort in Wallingford CT. We were also fortunate to have three other special guests in attendance, Jim Haynie, W5JBP, the President of the ARRL who did an entertaining impromptu 15 minutes off the cuff, Tom Frenaye K1KI the ARRL New England Division Director and Betsey Doane, K1EIC the ARRL CT Section Manager. This is quite a lineup for a couple of small clubs, (each less than 100 members), and we were lucky that every one of our guests were in the right place at the right time to be with us.

As Riley spoke there were a number of things that were very evident.

1. The FCC is very active in enforcement and is aggressively targeting violators.

2. Since starting their enforcement program two years ago, the number of complaints have actually dropped as the Amateur Public gets educated in correct operating procedure and the knowledge that the FCC is out there taking care of business.

3. We MUST use or loose our amateur radio frequencies if we are going to protect them from loss to other services. He was very sure to mention the 10 meter band and stressed the use of the whole band rather than just concentrating all our communications on just the small portion from 28.3 to 28.5.

4. Finally we MUST bring younger people into

Amateur Radio. We need to introduce amateur Radio into the schools to the 10 to 14 year old students if we are to survive as a service.

At the close of the meeting Bill Wawrzeniak, W1KKF, who is also the President of The Nutmeg Hamfest Association and Chapter Head for The Castle Craig Chapter of 10-10 announced that Riley Hollingsworth has agreed to be the keynote speaker for the 2001 Nutmeg Hamfest which will be held in October of 2001 at Mountainside Resort, Wallingford CT.

There was much for everyone to listen about and if you ever get a chance to hear Riley speak, you should go. He's very personable and since he's one of our own, speaks the language of the amateur and knows the problems of the amateur. It was indeed an interesting, informative and educational evening.

For pictures of this event visit the Meriden Amateur Radio Club homepage at: <http://www.qsl.net/w1nrg/>



Left – W1KKF Bill Wawrzeniak Castle Craig CH  
Middle – Riley Hollingsworth K4ZDH  
Right – Mark Mokoski, WA1ZEK President Middlesex ARS

## Communications Committee Names W5BQU 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. During 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 - 3rd Quarter 2000 to Byrl H. Burdick, Sr., W5BQU, #22835. W5BQU of El Paso, Texas, known to all as "Tex" can be found on 10 meters whenever time allows. He always checks 10 first, and if it's open, that's where he loves to

operate. His favorite activity is ragchewing, because he gets to learn about the way that others live, and he can be heard for hours at a time telling stories of his life experiences and a few tall tales to all who will listen. Tex is an excellent 10-10 ambassador. His operating style and gentle manner has set a fine example for generations of hams. First licensed in 1930, Tex received his 10-10 number in the late seventies. Tex was born in 1900 and will be 100 years young on September 25th. He expects at least 60 people from all over the country to help him celebrate this birthday. He also celebrated his 50th wedding anniversary in June.

In addition to his 10-10 activities, he is active in QCWA, attends monthly club meetings and participates in a regular aviation net. He has owned four airplanes and flew until age 74, when he could no longer get insurance! Tex was instrumental in founding W5ES, the club station for the famous Worked All El Paso Award. He also enjoys traveling. In 1998 Tex went on a safari to Africa. Numerous articles and even a 140 page book have been written about this amazing gentleman.

When you hear Tex on 10 meters be sure to stop by and say hello. How many people have you talked to on the air who were born at the turn of the last century? Be prepared to stay for a while, because he likes to chew the rag - it will be a contact you will not soon forget.

In addition to W5BQU, the Communications Committee would like to recognize several other 10-10 members for their exemplary operating practices during the last quarter. Those operators are Dick Corlew, NC6V #25057, Bob Dorchuck, W6VY #32620, Howard Losey, WA8IEK 6461, and Bob Peschka, K7QXG 5956. These operators spend many hours on 10 meters and have often been observed helping other hams and always accomplishing they contacts with a smile.

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.

BELOW: Mike G4BLH #18446 (left) and Dave G4KHF #34443 at an amateur radio show at Castle Donington, Leicestershire, England



ACROSS  
THE  
POND



Eddy "The Admiral" G4GIZ #28686

# Y2K 10-10 Contests Update

The challenge continues to make 2000 contacts in the year 2000. To date a total of 14 members have sent in their logs for completing the 2000 "anybody" challenge. Only 2 members have completed the more difficult challenge of contacting 2000 "10-10 members only". If you are working toward completing either of the two challenges, there is still time and remember with three 10-10 QSO Parties left during the balance of the year 2000, contacts pile up fast.

Logs for the Y2K "any body contacts" should be sent to:  
Doris Slye, N3TGB #68129  
708 Doages Drive  
Millersville, MD 21108-2132

Logs for the Y2K "member only contacts" should be sent to:  
Al Longo, NN1J #41728  
20 Primrose Road  
Bristol, RI 02809

It is suggested that you send a photo copy of your log and retain your original log for record purposes. No logs will be returned. Remember this is not a contest to see how many contacts you can make in the year 2000. Logs with more than 2000 contacts do not count any more than logs with just 2000 contacts.

If you have any questions regarding either of the Y2K challenges, send an e-mail to Chuck Imsande, W6YLJ #19636, Vice President at w6ylj@arrl.net

## BALLOT RESULTS FOR THE POSITION OF DIRECTOR 10-10 INTERNATIONAL NET, INC.

Here are the final ballot counts for the recent election. The top four (in bold text) will begin their term as Directors on January 1, 2001.

<b>Linda Barnes</b> .....	<b>1746</b> .....	<b>74.46%</b>
<b>Larry Berger</b> .....	<b>1290</b> .....	<b>55.01%</b>
<b>Mike Crawshaw</b> .....	<b>1219</b> .....	<b>51.98%</b>
<b>Joseph Williams</b> .....	<b>1119</b> .....	<b>47.72%</b>
Bill Marple .....	1093 .....	46.61%
Dave McCardell.....	818 .....	34.88%
Al Longo.....	692 .....	29.51%
Wally Baumann .....	616 .....	26.27%
William Skinner.....	485 .....	20.68%

A total of 2345 ballots were received.

# 2000 New Members in 2000 Challenge

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

The new member applications continue to come in as we have just passed the half way point, at the time of this writing, for the year 2000 Challenge. There is still a good chance that we can meet the Challenge of 2000 new members in the year 2000, but we are all going to work a little harder from now to the finish on 31 December 2000. The Challenge is to see how many times your call and 10-10 number can be listed on a new members application. Here are the top 10 leaders as we go to press for this issue of the NEWS:

# Times Listed	Call	10-10 #
81	WB4FBS	48461
76	KC0CMZ	70882
64	K5GAY	11825
63	VP2VF	63440
55	K7XN	41483
46	N5MT	24949
46	KC7DH	52099
44	LU3CT	68907
43	DK3KD	58990
42	W6YLJ	19636

In addition, there are 13 members that have been listed 30 or more times. It is not too late for you to get into the top 10 list. Remember, this challenge requires that you do nothing except get your call and 10-10 number listed on new member applications. The easiest way to get your call and 10-10 number listed is to make contacts, and particularly help those non-members that need information on how to join the 10-10 organization.

## SEND ALL ADDRESS, CALL SIGN OR STATUS CHANGES TO:

Data Manager, 10-10 International Net, Inc.  
PMB142  
643 N. 98th Street  
Omaha, NE 68114-2342  
Email: wa6poz@aol.com

DX CHANGES GO TO DX MANAGER  
Carol Hugentober, WA8YL #29588  
DX Area Manager  
4441 Andreas Avenue  
Cincinnati, OH 45211-2622 USA  
Email: k8dhk@juno.com

# An-Ten-Ten-nas



Information to help you decide on the best antenna for you

L. B. Cebik  
W4RNL #41159

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

## No. 29: Some Larger 10-Meter Yagi Designs

Occasionally, I am asked to recommend some larger Yagi designs that one might build for 10 meters. I can do little better than recommend the designs by Dean Straw, N6BV, that appear in the K6STI, Brian Beezley, program, YA, which has been distributed with *The ARRL Antenna Book*. In past columns, we have noted other designs originating from YA/YO. We have also featured various 2-element and 3-element Yagis of interest.

The present designs use 4, 5, and 6 elements. Each has been optimized for stable gain, front-to-back ratio, and impedance across the first MHz of the band. I have cross-checked each of them on other antenna modeling programs to confirm the numbers, and all appear to be very promising designs for the home builder.

The gain of a Yagi depends more on the boom length than on the raw number of elements. Therefore, each design will use a longer boom in conjunction with the increasing number of elements to achieve its objectives. Merely adding more elements within the same existing boom length will rarely produce any significant additional gain.

The element listings use a combination of 5/8" (0.625") and 1/2" (0.5") diameter tubing. Only one side of the antenna, relative to the boom, is listed, with the other side being a mirror image. Both the outer segment length and the total half-element length is listed for convenience. The smaller diameter element sections should be at least 3" longer than the lengths listed for insertion into the larger diameter element sections. All dimensions will be in inches. The decimals in the tables correspond the 1/8" increments of length.

The element assemblies are considered medium duty for maximum winds just over 90 miles per hour. For structural details of large Yagi construction, consult one or more of the many handbooks on antenna building. These beams are not casual projects, since they represent a considerable outlay for materials and result in large structures. Their weight may require a larger rotator and other improvements to your tower. Even the smallest of them should not be mounted on something so light as a telescoping mast.

### 4-Element, 14' Boom Yagi

Distance from Reflector	Length of	Length of	Total (1/2) Element Length
0.000	36.000	70.000	106.000
36.000	36.000	63.875	99.875
72.000	36.000	62.250	98.250
162.000	36.000	53.125	89.125

The mid-band free-space gain of this antenna is about 8.4 dBi, with an excellent (greater than 20 dB) front-to-back ratio.

### 5-Element, 20' Boom Yagi

Distance from Reflector	Length of	Length of	Total (1/2) Element Length
0.000	36.000	71.375	107.375
36.000	36.000	63.375	99.375
72.000	36.000	62.750	98.750
140.000	36.000	61.500	97.500
234.000	36.000	56.375	92.375

The mid-band free-space gain of this antenna is about 9.7 dBi, with an excellent (greater than 20 dB) front-to-back ratio.

### 6-Element, 36' Boom Yagi

Distance from Reflector	Length of	Length of	Total (1/2) Element Length
0.000	36.000	70.875	106.875
37.000	36.000	62.875	98.875
80.000	36.000	62.375	98.375
178.000	36.000	60.125	96.125
305.000	36.000	59.250	95.250
426.000	36.000	55.250	91.250

The mid-band free-space gain of this antenna is about 11.6 dBi, with an excellent (greater than 20 dB) front-to-back ratio.

(Continued on page 11)

(Continued from page 10)

All of these antennas have feedpoint impedances that are designed for a beta or similar matching system. The resistive part of the impedance is in the low-20s, with a comparable amount of capacitive reactance. You may lengthen the driven elements to resonance without adversely affecting antenna performance. A resonant driven element of about 25 Ohms can be matched to a 50-Ohm coaxial cable with a quarter wavelength section of 35-Ohm coaxial cable. Such cable can be purchased for about \$3.00 per foot. You may also fabricate a satisfactory line using parallel lengths of 75-Ohm cable with the braids and the center conductors each soldered together at each end.

The smallest of these monoband 10-meter beams will generally outperform the 10-meter section of all but the very largest tri-banders. The longest of the beams is a serious DX-hunting machine. To obtain the maximum performance from any of these beams, place them at least 1 wavelength above ground and preferably closer to 2 wavelengths.

Installing large beams at considerable heights above ground is not a casual process. First, there may be zoning and other legal restrictions or permissions to consider. Second, proper tower installation may cost many times more than the materials in the beam. Safety for yourself, your family, your property, and your neighbor's property are of paramount importance. So too is durability of the performance of the whole system, including the tower, coax, rotator, guys, grounding system, and the antenna.

Before moving to large beams and complex tower installations, learn all that you can about every aspect of the task. If you have any doubts, consult professional tower installers for answers and for help. Do not violate or ignore applicable laws and ordinances. Do not settle for any installation that does not measure up to good engineering standards. And, for heaven's sake, do not rely on luck to keep your antenna in the air and lightning in someone else's yard.

As you can see, a big antenna--even for 10 meters--is only the beginning and not the end of a much larger enterprise. If you have all the other pieces in place, then one of the N6BV designs may be the answer to the antenna part of the puzzle. Other designs, some with feedpoint impedances in the 35 to 50 Ohm range are also available from various ham magazines. Collect lots of designs and ideas before you start cutting aluminum. The more design articles you read, the more you will learn about the art of building big beams.

## *10-10 International Net is Proud to Announce*

a collaboration with LB Cebik, W4RNL, #41159, resulting in the publication of a manual on antennas appropriately called '*An-Ten-Ten-nas*'.

LB has been writing an antenna column for the 10-10 NEWS for the past 7 years. Now this material (plus some not yet published) has been compiled into a book and is being made available.

LB Cebik is a well known author and speaker on the subject of antennas. He has written extensively on antennas for many Amateur Radio publications. One only has to visit his web site [www.cebik.com](http://www.cebik.com) to realize the depth and extent of his knowledge. Prior to retiring, LB Cebik was a member of the faculty of the University of Tennessee.

The book is 8½ by 11, spiral bound, 112 pages, and would make a great stocking stuffer for any ham.

The cost of the book is \$12.95 USD plus shipping and handling. S&H in the US (all US Zip Codes) \$5.00 USD, all others \$8.00 USD (*USD=US Dollars*).

The book may be paid by Check, Money Order or IRC's (\$1 USD per IRC). VISA and MasterCard are also acceptable. Please provide Card Number, Expiration Date, Name on Card, Phone Number and signature of Cardholder.

Orders can be made via mail to:

10-10 International Net, Inc.  
643 N 98<sup>th</sup> St #142  
Omaha, NE 68114-2342  
or by FAX 402-891-2481.

## *Get Your Copy Today!!*

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

## **2001 HILL COUNTRY PICNIC**

The 13th annual Hill Country 10-10 Picnic will be on Sunday 3 June 2001. This is a 10-10 Convention year and hopefully some people can make both events. If you can't make the Convention and are looking for a 10-10 event to visit, please consider the Picnic. All 10-10ers and friends and relatives are invited to the Picnic at the home of Jack - K5CC in the beautiful Texas Hill Country.

# CHAPTER COORDINATOR'S COLUMN

By Dave Smith, K6RDK #65812



**Newly Affiliated:** Palmetto Chapter, Charleston, SC

**Reports Due This Quarter:** Arizona Desert, Bluebonnet, Cincinnati Area (CATT), Flying Tigers, Mo-Kan Tenners, Red River Valley (Steamboat), Route-66

**Reports Past Due:** Bay Area, Blue & Gray, Crazy Eights, Ft. Mchenry/Cornerstone, Golden Bear, Liars, Liars II, Metro, Stark County Mutual Aid, Steel City, Trotters And Pacers \*\* Eagle Watch/ Wildflower, Peach State Intl., Screaming Eagles

**In Extremis:** Muletown, Twin Tiers/Chenango Canal,

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

## Newly Affiliated:

**Palmetto Chapter** is a newly affiliated chapter out of Charleston, NC. Their net meets on Mondays at 0100 UTC on 28.770 Mhz. Currently there is no certificate program in operation.

## Chapter News:

**10-Bar-X** – To become a member of Ten-Bar-X and get your Certificate you must:

1. Be a member of 10-10 international
2. For El Paso area Hams work Ten Bar X net 3 times
3. For any DX Station (out of county) work Ten Bar X net one time
4. Send your application including \$ 2.00 to CM

## Basic Certificates:

El Paso members will be issued a *ROPER* certificate  
DX members will be issued a *MAVERICK* certificate  
For any Club station we will issue a *SALOON* certificate

**City of Roses & Portland Bridges** – The City of Roses Chapter will issue a collectable seal to each member who works 10 other members each in a different state using *PSK-31* on 10 meters. (Both members must use this new mode). *First State & First Country* designations will be issued.

The program starts 1<sup>st</sup> Sep, 2000 at 0001Z. No contacts before that date qualify. A +50 point upgrade will be awarded on both basic City of Roses and Portland Bridge award. Each *PSK-31* seal will be worth one point for each one collected (on any mode).

Normal log info required. Call, 10x, City of Roses number and/or Portland Bridges number and the date worked.

**Coffee Cup** – There will be some changes coming in the program. I am working out a number of new awards for different modes, (i.e. AM, FM, & PSK-31) awards, seals, & points system for the Chapter. There is even a *RagChewer's Award*, too. Stay "tuned" there will be more later. Ronnie, W5SUM and I got a chance to visit with Peggy, KC5BKT and Larry, WD5HJC at the Shreveport Hamfest, 12 August. We had a GREAT time! (no pictures though)

**Electric City** – Emile, WB1DBZ resigned as CH of the Electric City Chapter. Ivan, WA2OIZ will assume the CH duties as well.

The CH/CM, Ivan WA2OIZ has a new email address; [istillwell@cfl.rr.com](mailto:istillwell@cfl.rr.com)

**Flying Tigers** – Al, NN1J has a new email address, [nn1j@arrl.net](mailto:nn1j@arrl.net). Please make a note of it and use for future upgrades and communications.

**GB Ten** – *A Night at the Pantomime*: Start: 01 Jan 2001 at 0001Z. Finish 31 Jan 2001 at 2359Z. Please, do not list before start date! Please remove from list on the 01 Feb 2001. 2 points per Special found and, if completed, worksheet is worth 100 Pts. Two (2) Wild Cards may be used.

Specials are due to be released on the 01 Oct 2000 to all upgrading members automatically. Members wishing to participate need only to ask for one to be included. Lets make this a night to be remembered as we all take part in our *Pantomime Special!*

Would all members please note that the *Independence Day Special* will close on the 31 Dec 2000. No further credit on entries received after this date.

For those not sure, there is one member who has a Certificate dated 04 Jul 93 Independence Day. He is worth 10 points if you can find him, let the CM know his call and GBTEN number.

**Laurel Mancunium** – *VIP Millennium* certificate;

The start date is 10 Oct 2000. The cost of the certificate including all upgrades is \$5. If you do not require a certificate, a number alone can be issued via e-mail.

Note you must be a paid up member of 10-10 International and all applicants must confirm this.

The program for upgrades is as follows;

Bronze seal requires 20 contacts

Silver seal requires 45 contacts

Gold seal requires 75 contacts

All contacts must be with stations who hold the *VIP Millennium* certificate.

A station with VIP number suffix of FM is worth 2 contacts

A station holding the Bronze Seal is worth an extra 2 contacts

A station holding the Silver Seal is worth an extra 5 contacts

A station holding the Gold Seal is worth an extra 10 contacts

Further upgrades will be announced so do keep a check of all contacts

C.M. for this certificate is G4PDR David Hughes, 19 Burnsall Close, Farnborough, Hampshire, GU14 8NN, England. E-Mail [dhu@broadwater.surrey.sch.uk](mailto:dhu@broadwater.surrey.sch.uk)

**Outlaw on Ten & Bounty Hunters** – chapter is adding an award to the Bounty Hunters. This award will be called "*The Hill and Gully Riders*". For a 100-point upgrade work ten OUTLAW members in the digital sub band ten meters. (28.000 to 28.300) Five must be PSK-31 or RTTY. Work the certificate manager Bill WD5EDR on PSK-31 and/or the chapter head Jack K5CC on RTTY for a 25-point bonus. This award will be like the other awards, i.e. Lucky 13, Dirty Dozen, etc. No numbers will be awarded and they will not be collectable.

**Red River Valley** – "Buck", KA5LQJ, has taken over the "scribe" duties for the chapter for now. Mel, KD5DE's, IP business prevents him from transmitting because of too much work and the T-1 computer lines. There may be a "change" in the CM's position later, after 01 Jan 2001. More to come later.

**Samuel Clemens** – We have a new CM, Bob Bailey, WA2YZM. Please send all requests to him effective immediately. Thanks from all Sam Clemens members to Bob Stein, WB1HJC, for his great work as CM these past couple years.

Bob is in the process of setting up a Samuel Clemens web site and it is at URL; [http://www.qsl.net/samuel\\_clemens/index.html](http://www.qsl.net/samuel_clemens/index.html)

**Springbok** – The Springbok chapter has reached the milestone of 2400 members as of 15 Jul 2000, we are happy to welcome Mary Smith, KB9ULO, 71636 as our 2400<sup>th</sup> member.

The European CM Peter, G4YNO has a new email address, g4yno@pete30.freeserve.co.uk

Springbok also has a new web address <http://springbok.gq.nu/>. This allows more room to use our web master Don, ZS6CRT has who has some great ideas that he wants to do with the site.

**Suncoast** – The Suncoast Chapter of 1010 is looking for a person to take over as Chapter Head and another one to take over as Certificate Manager.

If any one is interested please contact KA4RVZ CH at ka4rvz@quadra.net or W4TQL CM at w4tql@aol.com for more information or to address listed in 1010 newsletter.

These replacements are needed by January 1<sup>st</sup> or the chapter will be forced to close down.

**Quarterly Reports** – Quarterly Reports as of now will no longer be accepted via email. This is due to the *incompleteness* of the report and the extra time it takes to go through them. The *ONLY* acceptable methods will be by snail mail or the on line form. If you need the paper forms either email or snail mail (no SASE required), if you need the URL for the on line form just drop me an email at k6rdk@smrn.com. Thanks.

**List of chapters that accept Email upgrades.**  
(Current as of 01 Sep 00)

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.

\***Battle Road** – CM K1IEQ, k1ieq@juno.com

**Bay Area** – CM AC6FU, ac6fu@arrl.net (Bay of Bridges)

All others to K6RDK, k6rdk@SMRN.com

**Boomtown** – 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

**Cast Iron Tower** – CM DL1DSA, dl1dsa@online.de

**Castle Craig** – CM N1API, n1api@home.com

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

**Colorado Centennial** – CM N0CKW, chalice@home.com

**Colorado Frontier Gang** – CM WB0CON, wb0con@home.com

\***Dollchasers** – CM KA5OVO, ka5ovo@swbell.net

**Down Under** – CM ZL1KQ, via zl1jd@xtra.co.nz

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

\***Electric City** – CM WA2OIZ, istillwell@cfl.rr.com

\***Flying Tigers** – CM NN1J, nn1j@arrl.net

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

**GB Ten** – CM G4KHF, gbtan@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@ricconnect.com

**Laurel Mancunium** – CM G3RRM, g3rrm@breathemail.net

**Liars2 and Metro Chapter** – CM WB2SJK, wb2sjk@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 500** – CM K7POS, k7pos@arrl.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 WA2YZM, wa2yzm@qsl.net

**Santa Fe Trail** – CM KB0ON, kb0on@hoosierlink.net

**Sky Blue Waters/Tin Lizzie** – CM WB0RCC, cedwards@isd.net in addition to old, new and total points. Submit total contacts, basic number(s) with current point value, 10-10 number with date of expiration.

**South Texas Lighthouse Brigade** – CM N5DAS, n5das@juno.com 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

**Westward Ho** – CM K0NO, k0no@earthlink.net New member applications and upgrades.

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 column 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<sup>th</sup> of February, May, August and November. Often chapter news or special information is received too late to make the issue on a timely basis. The column for the January issue for instance must be submitted to the editor on the 1<sup>st</sup> of December. So if your special is to run 1<sup>st</sup> through 31<sup>st</sup> December, it should be in my hands prior to 20<sup>th</sup> August to be in the October issue, as the following issue of the News will not be out until January after your special is over. Chapter information is printed on a space available basis; sometimes not all information received can be printed. The deadline for the next issue of the News is the 20<sup>th</sup> of November.



# Ten Ten DX News

Mike Davidson  
N5MT #24949



September 2, 2000

## Tromelin Island 10-10 Country No. 297?

**FR/T Tromelin Islands:** A group of four French amateur radio operators arrived on the island August 1<sup>st</sup> and during their two week stay made 10480 contacts on Ten meters. A band opening to the US on August 2nd allowed me to work them for a new 10-10 country! Hope you found Larry **F5PYI** #54226 as he was the only member in the group. This will bring the 10-10 DXCC entity total to 297. **Tromelin Island** is a small French island about two miles wide in the western Indian Ocean at Lat. 16S Long. 55E. Permission to visit the island is restricted and must be obtained from France. Air travel from Reunion Island by chartered plane is the preferred means of travel. Travel by boat is harder as there is no port or lagoon and landing would have to be by small boat. The island is basically a large sand bar sticking up out of the ocean with some trees. There are several buildings at one end of the airstrip that support a manned weather station and these are the only people living on the island. So, the ham radio operators took a lot of support equipment besides radios and antennas. For more info: <http://f5nod.waika9.com/frt.html>.

**4W, EAST TIMOR** Dick Wolf, **N6FF** #24616, will be joining Dennis **K7BV** #5414 from October 7th for a ten day DXpedition to East Timor. Dick is a well-known 160 operator insuring that Top Band gets special attention. Dennis likes CW on 28007 and look for Dick on SSB at 28557.

East Timor has just become a new DXCC entity recognized by the ARRL. This large island is located Lat. 8S and Long. 125E which is north of Australia. Presently the United Nations has a peace keeping force on the island to prevent problems with Indonesia and the native population. This all started twenty five years ago when Indonesia took over the island from Portugal. The DXpedition web site has a lot of information at: <http://www.qth.com/k7bv/timor/>.

**Australia** is commemorate the **Olympic Games**, by using the "AX" prefix from June 15 to November 2. **Special callsign: AX2000** operated by Philip **VK2FHN** #69601 has been active on 28497 at 2300utc in late August for two weeks. The callsign will then be used by a different person who may not be a 10-10 member. QSL to Steve **VK2PS** #26435.

## New DX Members

**VQ9 Chagos** by Bill **VQ9NL/W4NML** #71828 was worked in May and I convinced him over the air to get a 10-10 number. His new number got to him in June but there has been little propagation on ten for Bill to be heard in the US. The Chagos club station has a nice log periodic antenna that works very well on ten. He was spotted on Aug. 16<sup>th</sup> by a US east coast ham on 28450.

Editor: I got this just after the Summer QSO Party: "Just to let you know I was on as long as the band was open. Very poor conditions. Had opening only to Europe, just a couple JA's, a few African stations, that was it. I heard no stateside stations. Heard only one European station working one station in the states. Ten meters closed early here the night of the contest. The last few days ten and fifteen have been dead. Twenty has been open into the states around 11-1300utc." 73 Bill. QSL to W4NML.

## Upcoming DX & New 10-10 Activity:

The Kingman/Palmyra DX Group announced its planned **Kingman Reef 2000 DXpedition** for mid-October: Ned Stearns, **AA7A** #11185 and Ann Santos **WA1S** #48144, are the only members of the dozen going to this desolate island in the South Pacific.

Kingman Reef is several hundred yards long, cigar shaped and composed of shells and coral. No buildings are on the reef and landing permission is required from a US Agency that protects the fish and wildlife. The team will leave Hawaii on October 15 for Christmas Island to meet the schooner Machias, then sail to Palmyra and finally to Kingman which may take 3-4 days. They plan to stay for 12 day. The Machias will stay in the lagoon at Kingman to assist the DXpedition. They will be back in Honolulu on Nov. 5<sup>th</sup>. Editor note: Kingman and Palmyra have both been active with 10-10 members in prior years but activity is RARE!

**4X Israel.** David, **W5WP** #40058, completed his trip to Israel in July. Conditions on ten were not good during that time so he made very few contacts on ten. **3DA Swaziland.** Frosty **K5LBU/3DA0CF** #51322, was in Swaziland in early July for three days.

**TJ, Cameroon.** Dave **TJ1PD** #70821 was on 28490 at 1700 UTC Sept. 1<sup>st</sup> working the east coast by the call districts. He had an electrical problem and was off the air thirty minutes later so not very many got to work him. QSL to John **N5DRV** #44892.

**TI Costa Rica.** Bob **TI2/KG4DOE** #71842 was on 28425 at 1700 UTC Aug. 29<sup>th</sup>. Bob is a permanent resident there now. He is learning Spanish and working on getting a TI2 callsign to replace the portable callsign. QSL to call book.

## Most Wanted 10-10 Countries:

As of January 1, 2000 these are the most wanted: No. 1 is **P5** North Korea; #2 is **BS7H** Scarborough Reef; #3 is **BV9P** Pratas Island; #4 is **A5** Bhutan; #5 is **VU4** Andaman & Nicobar Islands; #6 is **FR/t** Tromelin Island; #7 is **VU7** Lakshadweep Islands; #8 is **VK0/m** Maquarie Island; #9 is **FR0/g** Glorioso Island; #10 is **FR0/j** Juan

De Nova; #11 is **SV/A** Mount Athos; #12 is **VP8/sg** South Georgia Island; #13 is **XZ** Myanmar; #14 is **VK0/h** Heard Island; #15 is **ZL8** Kermadec Island; #16 is **FT5W** Crozet Island; #17 is **TN** Congo; #18 is **XQ0X** San Felix Island (the last one in South America); #19 is **XW** Laos; #20 is **1S0/9M6** Spratly; #21 is **EP** Iran; #22 is **1A0KM** Sov. Military Order of Malta; #23 is **3V** Tunisia; #24 is **5R8** Madagascar; and #25 is **ZK3** Tokelau Islands.

**QSL sources.** I use the **Pathfinder Web Client** located at: <http://www.qsl.net/pathfinder/WebClient/>. It allows you to use the Internet to get QSL data from several sources that you select. This free web client needs only a small program on your PC with the database located on the Internet, saving space and with no worry about a CD becoming obsolete and it is free.

**Propagation:** As we progress to the peak of Cycle 23, solar activity such as flares and coronal mass ejections produce large variations in the radiation upon the Earth. Such variations lead to disturbances of the geomagnetic field and the ionosphere and disrupt HF communications. Solar flux will range from **125-240** during the fourth quarter of 2000.

On Sept. 1<sup>st</sup>, the **Solar flux was 158 the A index 16 and K index 2**, which is the below the flux numbers from last quarter. Have we past the peak of Cycle 23? I do not think so as yet. There will be a 115 point swing in the flux numbers during the next three months as the sun gets more active.

**Cycle 23 is now 33 months old, the flux continues to stay high as Phase 2 of this cycle continues for 2 more years of the best propagation.** During the fall months of September-December, we in the US get the best DX propagation with multi hop skip being more likely to occur. I predict we would be hearing Europe on a regular basis in Texas by September 26<sup>th</sup>.

**Expect the best conditions on Sept. 6-8 and 25-27, Oct. 23-26, Nov. 21-26!** For stations in the Eastern USA, expect a 50% chance of DX to the East-West path into Europe or Africa. For stations in the Western USA, expect 30% chance of DX into Europe and a 60% chance into Asia. All of the USA will get a 30% chance into S. America in the mid afternoon. Expect a 5% chance of Long Path into Asia or Europe starting at 030 UTC for central USA. The beacons from **28.175-28.300** will tell you what is open, especially 28.200. Good luck.

**IOTA: Italy** Walter **IC8/IN3XUG** #62235 was active on 10 meters using SSB from Ischia Island, EU-031, until September 4. QSL via bureau.

**VP2, Montserrat.** Bill, **W4WX** #62600 was on SSB and RTTY July 21-24<sup>th</sup>. QSL via home call.

**CY9: St. Paul Island** NA-094 by **WV2B, AI5P**, Henry **KE1AC** #51241. Only a report of **CY9/AI5P** on 28500 on July 9<sup>th</sup>.

**HR Honduras.** Joe **W8GEX** #41393 was expected to be active as **HR6/W8GEX** from Roatan Island, NA-057, from August 13-18<sup>th</sup>. No activity reported.

**New DX members this Spring.**

DX Members for **June:** none **July:** OE8CIO 71723 and F5PBL 71724. **August:** YV4FZM 71800, DJ7VX 71801, DJ5KW 71802, VE3DHB 71803, S57AT 71804, VE4TG 71805 and SM0ELV 71806. DX data from Carol **WA8YL** #29588.

**10-10 Countries Award:** 85 Counties: OB **WA8YQR** #12544 Cert.# 57; Carl **W9OO** #9973 Cert.# 56. 80 Countries: Cliff **WB4FBS** #48461 Cert.# 57. 75 Countries: Tony **VK6PP** #38922 Cert.#79; Bob **W5UFA** #23660 Cert.#78.

**10-10 Bar Awards:** Neldo **LU5HE** #10334 for 6500 Bar #50; Gemi **KH6F** #37649 for 1100-1600 Bars; Alan **VE4ALN** #69217 for 1000 Bar #1475; Tony **VK6PP** #38922 for 1500 Bar #768.

**The weekly 10-10 DX Net will start on Sunday October 1st at 1400 UTC on 28555 with N5MT as Net Control in Texas. Need help on the East coast.**

**Unique Y2K Completed:** I want to thank everyone who make a contact with me during the first seven months of this year. I had a goal of finishing the unique Y2K by July 26<sup>th</sup>, my birthday and on that date I contacted Arthur **ZL1DU** #68924 for number 2000. It took me 5100 contacts to contact 2000 different members. My congratulations to Cliff **WB4FBS** #48461 who also completed his unique #2000 on July30<sup>th</sup> after making 8103 contacts.

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

**DX IS!** 73 *Mike Davidson N5MT #24949*  
Copyright 2000 by N5MT ...-

**10-10 Life Members**

Here are the newest 10-10 Life Members

- 01430.....K1LVU ..... Frank B Ridlon Jr
- 02314.....W8BJ ..... Jerry Cook
- 05956.....K7QXG ..... Robert A Peschka
- 10929.....K6YHL ..... David J Althoen
- 16931.....KD5ON ..... Steve R Brown
- 18813.....KK4TB ..... Aldrich J Boss
- 25938.....KD4JI ..... Bobby B Thorne
- 34710.....W6CBA ..... Violet R Barrett
- 47866.....KA4WAC ..... Randell A Webster
- 48036.....WA3GFM ..... Albert Belardia
- 50055.....W1FLD ..... Kenneth A Schaffer
- 56220.....WA2GVI ..... Frank J Lavallo
- 59866.....N8EQR ..... Wallace P Davidson Sr
- 70462.....W6DSP ..... David S Pratt
- 70622.....LX1NO ..... Norbert Oberweis
- 70751.....W7LWS ..... Leland W Schaefer

## F.A.R. ANNOUNCES SCHOLARSHIPS

To Tom Henderson  
President 10-10 International Net, Inc.

Dear Tom:

The Foundation's scholarship committee has recently completed the task of choosing the recipients for the seventy-four (74) scholarships to be awarded this year. Selected as the five winners of the 10-10 International Net Scholarships were Elizabeth A. Engberg, KG0KR, from Plattsmouth, NE – Brian A. Hunt, N7PNG from Prescott, AZ – Michelle R. Sciarini, KB8ILX from Dover, OH – Michael P. Taraborrelli, N3MT from Philadelphia, PA – and Michelle M. Thompson, N1PNT from Newtown, CT.

Elizabeth A. Engberg will be a graduate student seeking to become a middle school teacher either in the sciences or in special education. Her husband and daughter are both licensed and she operates primarily CW on the HF bands. She holds an Extra Class license and serves as Net control for a 10 meter CW Net. She was recommended by Steve Rasmussen, KB0WHY #68684.



*I was born and raised in Wisconsin, the oldest of three girls. A week after receiving my BS Nursing from the University of Wisconsin, I married my husband Chuck, and a year later my daughter Teresa was born. Three months after her birth the Air Force transferred Chuck to England, where we remained for nine years. The Armed Forces Agreement prevented dependent spouses from working, as we would take jobs away from the English citizens.*

*Because of this, when we returned to the USA my nursing skills were outdated, but as Chuck worked rotating shifts, we only had one car, very little money, and a nine year old daughter, there was no way I could return to school to update my education.*

*Chuck's next assignment was Offutt AFB, Nebraska. Initially I worked as a homemaker, but when a position opened for a Paraeducator in Special Education at the school across the street, I jumped at the opportunity. After 12 years working with Middle School SPED students, I have resigned my position to return to school full time to earn a teaching certificate. This summer the University of Nebraska Omaha has started a new program aimed at taking people who have degrees in areas of critical need in secondary education, and giving intense preparation to earn a teaching certificate in one year. There were over 260 applicants, and I was one of the lucky 22 selected for the first cohort group.*

*As for my background in Amateur Radio, I studied on my own to earn my Novice license (KB0KYL) in 1993, and at that time made the commitment to go all the way to Extra as quickly as possible. This was because there was no local club or classes, and I felt that as an Extra class licensee, I could start a club and classes, and be a VE to encourage the development of Amateur Radio in the local area. After Thanksgiving 1994 I sent out letters to all hams in the local area, inviting them to an organizational meeting for the Plattsmouth Amateur Radio Club. I also ordered ARRL video tapes for the Tech*

*license class at that time. I received my Extra class license in January 1995, but kept my Advanced call KG0KR as it is such a good CW call. In early January 1995 I called our first ARES net, and I started classes (open to all ages) in conjunction with the adult education program at the Plattsmouth community schools. At the end of that month I also held the organizational meeting for our radio club. In March of that year I started a 10 M CW net, in April began our club newsletter The Communicator, of which I am still Editor, in May I sent out spotters and called our first storm net, and in June we held our first Field Day. The club membership has grown from the initial 12 to 76, and our classes continue to bring new members into the hobby. We also have side groups working with code for those wanting to improve their CW skills. There are currently huge demands on my time, and I have been fortunate to have others help me wherever needed. Although I can't do it often, I enjoy CW contesting and ragchewing. I monitor a 2 M CW frequency, and Elmer those wanting to increase CW skills.*

Brian A. Hunt comes from an all-ham family and will be a senior at Northern Arizona University in Prescott. He is a 10-10 member (#55656) and was first licensed as a Novice at age 9. He has since upgraded to Technician Plus. He has above average grades and hopes to follow in the footsteps of the long line of educators in his family.



*Brian Hunt (N7PNG) is a 20 year old senior at Northern Arizona University majoring in elementary education. Brian comes from a long line of educators and hams including his grandparents and great grandparents. He intends to incorporate ham radio into the classroom curriculum like his mother (N7NRU) and his uncle (AB7JA – who recently organized a SAREX at this elementary school). Brian wishes to express his sincere appreciation to the Foundation for Amateur Radio and also to the 10-10 International Net Inc. whose scholarship assistance will be a great help to him in achieving his goal.*

Michelle R. Sciarini comes from an all-ham family and has been a three time winner of other FAR awards. She will be a senior at the University of Akron where she is majoring in Mathematical Science. She is a member of two radio clubs and besides participating in Field Day, assists with the Volunteer Examination program in her area. One of her other hobbies is Music as a singer, and playing the piano, pipe organ and flute. Her 10-10 sponsor was Patricia Tucker, KB8CRB #44088.



*My name is Michelle, and I am a 1997 graduate of Dover High School. I recently made the decision to become a communications major and continue my studies by getting my masters degree in higher education. My ultimate career goal is to become a student activities advisor. Since the age of 10 when I received my novice license, I have been interested in communications and have wanted to pursue a career in it. Recently, I obtained by Extra class license.*

Michael Taraborrelli received one of the other FAR awards last year. He will be a sophomore at Villanova University looking toward selecting a major in the Liberal Arts or Humanities. He holds an Extra Class license and operates on all HF and UHF bands. As a life's work he would like to help others possibly as a missionary. His 10-10 sponsor was Richard Moll W3RM #13147.



*Age 19. Entering sophomore year at Villanova University, pursuing a bachelor degree in arts/sciences. First licensed as N3TRO (Extra Class) at age 14; changed call to N3MT, April 1999. Member of the Phil-Mont Mobile Radio Club, Inc., and elected to the Board of Directors, January 2000. Public service activities' volunteer operator at W3AA, the club's exhibit station at the Franklin Institute Science Museum, Philadelphia. Field Day operator last six years, three as CW band captain. Operating interests: HF (CW bands), VHF, DX-ing, contesting, rag-chewing. Other interests: participatory sports – gymnastics, baseball, soccer, Church activities and bible study; fishing and boating; reading.*

Michelle M. Thompson will be a Junior at Western Connecticut State University where she is majoring in Elementary Education and Psychology. She comes from an all ham family and holds an Extra Class license. Her goal is to become a teacher for children with special needs. She has received several local awards recognizing her community involvement. Her 10-10 sponsor was Peter Kemp KZ1Z #28125.



*An amateur for eight years, Michelle has successfully recruited several others into the hobby, including her entire family. Her primary focus is on public service (she operated at the 1995 Special Olympics World Games in New Haven, Connecticut) and education (She has taught classes and offered individual instruction in several aspects of the hobby). Michelle can be found mostly on 2-meter FM, 20m SSB, and occasionally 10m CW. Current and past titles include Volunteer Examiner, Official Relay Station, CT Section Affiliated Clubs Coordinator, Secretary and newsletter editor of a local club, Hiram Percy Maxim Award recipient, and, of course, Amateur Extra.*

Approximately forty percent of the applications filed this year had the signatures from 10-10 members as sponsors. This is a 15% increase over last year which would tend to indicate that the efforts at publicity have again been quite productive. It should also be pointed out that all but 7 of the 10-10 applicants received an award. The Foundation is please to cooperate with the 10-10 International Net in the very worthy endeavor and the Committee is looking forward to next year.

*73 – Hugh A. Turnbull, W3ABC  
Chairman Scholarship Committee  
Foundation for Amateur Radio*

## WATERKANT CHAPTER MEETS

From April 28th to May 1st the DSW (Diplom-Sammler Waterkant), a group of award hunters living in coast regions, had an official meeting in Kropp, 40 km south of the Danish border. About 150 amateur radio friends had a nice long weekend with bus tours to famous places, a meeting of the YIs and the VHF/UHF-friends. Every evening we all meet in the ballroom to talk, play games or dance.

The program includes a 10-10 meeting of the Waterkant Chapter. The CH Manfred DL8LAC welcomed guests from several parts of Germany: Bayern, Nordrhein-Westfalen, Rheinland-Pfalz, Niedersachsen, Hamburg and of course Schleswig-Holstein and he welcomed new chapter member: Bjoern DK1EAW #70807 and WK#204M.

YL Erna, DL1PT WK#128M received her chapter certificate with congratulations from all members.

The CM of the chapter DK7LA then gave an explanation of the special worksheets of the chapter and their difficulties and gave some examples of good and bad upgrades.

All the twenty chapter-stations taking part in this meeting got a new seal – the DSW00 seal and 50 new on-air points. These seals are collectable as to the OTH seals.

The meeting ended with a local net. DK7LA with his clubstation DK0SL was the net control from his home-QTH in Boern, most of the Tentenners had their own station in the car or on the camping place. At the meeting place there was a station too. So it really was a nice net. All 20 member stations of the chapter were QRV in net. Some of them can't be QRV on 10m very often, so all were lucky about their points.



This photograph shows friends and members of our chapter. All rows left to right.

**Front:** DJ3ADK, DJ3LA, DL1PT, DL3DBY, DL5HCN, DF3TE.

**Middle:** DH1PAL, DK7LA, DF9LB, DL9HCO (guest), DJ1HN, DJ7WG (guest), DL3DCY, DK8LC.

**Back:** DH8MAR (guest), DL5HAN, DH3NAW, DK1EAW.

**Missing:** DL8LAC and DJ6DO already on the way to their stations.

**10-10 INTERNATIONAL NET  
2000 BOARD OF DIRECTORS MEETING  
June 10, 2000  
Boise, Idaho**

President Tom Henderson, K4CIH, called the 2000 board of directors meeting to order at 9:00 AM, at Doubletree Hotel in Boise, Idaho. Present were President Tom Henderson, K4CIH, Vice President, Chuck Insamde, W6YLJ, Secretary, David Prichard, KA5OVO, Treasurer, Keith Schlottman, KR7RK, Directors, Larry Berger, WA2SUH, Mike Elliott, K7BOI, Rex Holford, K0NO, Bob Peschka, K7QXG, Ed Redwine, K5ERJ, Brad Kimble, K0DBK, Joe Williams, WA9TSG, and Dave Smith, K6RDK. Also present as a guest of the board, Data Manager, Gerry Gross, WA6POZ.

The role was called, with all board member present, and at this time a moment of silence was observed in honor of our silent keys.

The orders of the day and agenda were read and a motion was made by Director Redwine, to allow discussion apart from the published agenda be authorized as needed. Motion was seconded, motion passed.

Motion was made and seconded to accept the minutes of the 1999 Board of Directors meeting as published in the **10-10 News**. Motion was seconded, motion passed.

President Henderson presented his annual report. Reported were activities concerning contact with the ARRL in support of its upcoming attempt to provide an avenue for continuing education for radio amateurs. The President also reported on the hard work and dedication of the various committees.

Reported was the hard work and dedication by 10-10 member KB0ON on a new VP computer program that can be used as a reference and checking tool for VP numbers. Don, is doing the program, MASTRVP, on his own, and he is to be commended for this.

The President reported on the activities at the Dayton Hamfest and 10-10's booth there. Thanks were given to 10-10 members WA6POZ, KR7RK, K7IOU, and WR5I for volunteering to man the 10-10 booth, where many members stopped by to renew their dues and make donations to the scholarship fund.

Reports were given on the election 2000 nominations committee and chairperson, N7HDB. Thanks goes to them for their work on the slate of candidates for the upcoming election.

President Henderson spoke briefly on the hard work of each of the committees and the many improvements that have been made in the past year on behalf of the membership.

Vice President Imsande presented his annual reports as both Vice President, and the Membership committee chairman. Reported on were the "2K in Y2K" contest, requiring 2000 contacts during 2000, the second "2K in Y2K" contest, requiring 2000 unique contacts with 10-10 members during 2000, and the "2000 in Y2K Challenge", for the membership to enroll 2000 new members during 2000. Jim Hardy, K4HAV, has developed software for each of these contests for use with the Win1010 computer program.

The Membership committee has developed new 10-10 logos for use in design of pins, patches, and decals. The proposed logos will be presented to the board for review at the 2000 board of directors meeting.

A booth was maintained and forum presented at the ARRL Southwestern Division Convention on board the Queen Mary in Long

Beach, California. 10-10 hats and t-shirts were sold and membership renewals were taken by Treasurer Schlottman, and several 10-10 members.

Vice President Imsande and Treasurer Schlottman presented a 10-10 forum at the Fort Tuthill Hamfest in Kingman, Arizona.

Vice President Imsande has written a monthly 10-10 column, which is published in **Worldradio** magazine.

Secretary Prichard presented his report as Secretary and Archivist. The minutes of the 1999 Board of Directors at Oak Ridge, Tennessee, were transcribed, sent to the Board, published in the **10-10 News**, and placed in the Archives. Copies of the updated Operations Manual and By-Laws were prepared and placed in the Archives.

Director Elliott presented the Communications Committee annual report. In an effort to consolidate several 10-10 activities in a cost saving and quality control move, the duties of the Information Manager were terminated and transferred to the Data Manager. Jeff Ritter, N5VAV, former Communications Manager was thanked for his service in that position and asked to remain as a member of the Communications Committee and he has agreed to do so.

All responsibilities for updating and publication of the 10-10 brochures was transferred to the 10-10 Editor, which will assure consistency in all of 10-10's printed products and also results in cost savings.

The project between the Communications and Operations Committees, to completely re-write the awards requirements, was completed and the changes were implemented on January 1, 2000. Special thanks goes to former board member Pete Matson, KC1CP, for his efforts on this project.

In an effort to promote good operating practices on 10 meters, the Communications Committee instituted the "Quarterly Top-Op" award, honoring members that demonstrate excellent operating procedures. The first two recipients have been awarded to WB4FBS and DL8YBM. An article was written about each recipient and published in the **10-10 News**.

Director Redwine presented the Operations Committee annual report. The award managers and officials have taken pride in their work and have progressed smoothly. The new award structure, developed in partnership with the Communications Committee, went into effect on January 1, 2000, and is progressing smoothly, with only a few questions on the rules.

A special thanks goes to President Henderson for his support of the Operations Committee and the managers, and a very big thank you goes to the managers for the hard work they do in administering the awards. A brief report was given from each of the different award managers.

Director Holford presented the Planning Committee annual report. A survey was prepared by K7QXG, K0NO, and K4CIH, concerning the 10-10 conventions, in an effort to make them as accommodating as possible for the membership. The survey was published in the last three editions of the **10-10 News**, the final results were presented and will be published in the **10-10 News**.

An effort has been made to locate and identify chapters that would be willing and that are interested in hosting our next convention, but none have applied in writing at this time.

The Board of Directors and membership was queried for input for the agenda of the board meeting.

The Reports of the Data Manager and **10-10 News** Editor were presented by Data Manager Gross. Membership continues to grow, but at a slower rate than last year. The number of duplicate call in the data base is 239, due for the most part to vanity call signs, with

members getting old member callsigns. The biggest problem continues to be return mail, cause by members moving and not informing the data manager of the new address

The ballots for the 2000 Director election have been prepared and mailed as of the first week of June. All current members have been sent a ballot.

Treasurer Schlottman presented the Treasurer's annual report. The report reflects that our organization is financially stable with sufficient reserves to cover the expense of maintaining services to our life members, as well as our current members, and our operating expenses. The Treasurer's report will be published in the next issue of the **10-10 News**. 10-10 presented five \$1000 scholarships in 1999 to deserving ham radio students and will do so again this year. We need to try harder to obtain donations that will equal the amount we contribute to the scholarship program and make it self-sustaining.

The 2000/2001 Budget was presented to the board. Motion was made, seconded, and passed, to approve the 2000/2001 Budget as presented by the Treasurer.

Discussion was held on the proposed 10-10 convention in 2001. Two proposals were received, with one being withdrawn. More details will have to be worked out before any proposal will be acceptable for a vote. It was agreed to set a time limit of August 1 for a final proposal.

Under old business, at the 1999 board meeting, KR7RK had made the motion "that we create a youth membership for the members under the age of 18, at a rate of one half the cost of the full adult membership". Motion was seconded, and passed. Because of a lack of activity on this motion, KR7RK moved "to withdraw the original motion". Motion was seconded, motion passed.

All awards and awards information sheets have been completely rewritten and standardized as much as possible. Information sheets have been made as easy and understandable as possible, to the point where any question concerning any award can be answered by reading the instructions. Copies will be sent to all award managers for their input and they will be published for the general membership and posted on the 10-10 web site. All board members must vote on these award requirements and rules by July 1, 2000.

The "Top Op" award was begun to promote good operating practices by the members of 10-10 International Net. The question has been asked by some of the members, if we should discontinue this award. Discussion of the award was held by the board, both pro and con. A motion was made by WA9TSG, "that the Top Op award by continued". Motion was seconded, motion passed.

At this time, on behalf of, and with the many thanks of the Board of Directors, Director Holford presented a special plaque to President Henderson, K4CIH, for his "devotion to, love of, and dedication to 10-10 International".

The annual Scholarship Fund collection was taken from the board members at this time and discussion was held on ways to encourage contributions from the membership to this most worthwhile project. Many good ideas were presented, including a way for members to contribute in the name of chapters, and the chapter getting an award for the most contributions at the end of the year. An area on the application/renewal sheet in the **10-10 News** will be printed for the sender to contribute to this fund.

Under new business, there was a proposal by Vice President Imsande for a new 10-10 logo, to be used in the making of label pins, decals, and patches, since our current logo is difficult to copy on these items. Samples of the proposed new logo were distributed to the board for examination.

Motion was made by Director Williams, "that we keep the current logo as is." Motion was seconded. Director Redwine moved to amend the motion, "to keep the current logo as part of the identifying features of 10-10" the amendment was seconded, amendment passed. Question was called on the original motion, motion failed.

Vice President Imsande moved, "It is hereby moved that a new 10-10 identifying symbol be adopted with a new modern round design. The new design shall be round, with a globe and with the words TEN-TEN INTERNATIONAL NET. The color scheme shall be a yellow background, with the land area in green, the sea area in blue, the outline ring and words shall be in black. The design may also be used in black and white. The new and identifying symbol shall be used on all official correspondence, the **10-10 News**, QSL cards, and other documents as felt necessary. The existing square logo with cats shall be used on all other instruments as felt necessary or desirable." Motion was seconded, motion failed.

Director Smith, as Chapter Coordinator, has asked to be relieved of the responsibility of publishing the monthly chapter updates, which is not an official 10-10 publication, due to low interest. This same information is available in the **10-10 News** each issue. It was decided to allow the updates be stopped

Director Berger presented a proposal for a new "10-10 Young Operator Award". The Board was presented with the background, objective, and rules for the proposed award. Director Redwine suggested that the matter be referred to the Operations Committee for evaluation.

Treasurer Schlottman proposed that we "establish a Youth Assistance Program Task Force. The task force will explore alternatives for 10-10 to increase involvement with and assistance to young amateur radio operators. This will include a feasibility study for the establishment of a separate 501(C)3 corporation, an evaluation of the scholarship program administration, and possible coordination with the ARRL and their involvement with school clubs."

President Henderson appointed Treasurer Schlottman and Director Berger as co-chairmen of the new task force to form a committee to investigate these possibilities and report back to the board, with the first report due in 6 months from this date. The "Youth Committee" will function as such, appointed under the bylaws.

Motion was made by Director Elliott that "the 10-10 Board of Directors approve a budget not to exceed \$3000.00 for expenses associated with the 2001 10-10 convention. Further, that the Planning Committee be given the discretion to work within established 10-10 guidelines." Motion was seconded, motion passed.

Motion was made by Director Redwine that "the VP roster be removed from the ten-ten.org web site." Motion was seconded, motion passed.

Motion was made to the effect that these revised resolutions and bylaws were adopted by the board of directors on June 10, 2000, and shall become effective immediately. Motion was seconded, motion passed.

All business being completed, motion was made and seconded that we adjourn. Motion passed and the meeting was adjourned at 4:40 PM, June 10, 2000.

Respectfully submitted,  
David Prichard, KA5OVO  
Secretary

# REFLECTIONS

AS PRESENTED BY THE  
HISTORIAN OF TEN TEN

Morrie Goldman W6EHM #04189



Charles R. Glenn, Jr., W6GCJ #3800 recently sent me a memo written by Claude Martin (SK), W6LRY #437 stating, "Your 10-10 No. will be 3800, Cert. etc. follows a little later. (Signed) Claude, Certif. Mgr." Actually Charles received his Certificate #3800 about the same time I received #4189, dated 02 April 1974.

Twenty-five years ago, the July 1975 Bulletin featured an article, "Cycle 20 Nears the Bottom Prospects for Ten During the Low-Activity Years" by Ed Tilton (SK), W1HDQ #8481. Ed Tilton and Grace Dunlap, K5MRU #218 both received honorariums as 10-10 Life Members in 1974. Ed was VHF Editor, QST, 1939-1972 and a member of the ARRL Technical Staff. He prepared this article exclusively for publication in the July 1975 10-10 Bulletin. Here are a few excerpts.

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## 10-10 Scholarship Applicant Information

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

Applicants must be Radio Amateurs holding a US 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 an accredited college or university in the United States. Those seeking graduate degrees are also eligible.

It is suggested that every 10-10 member encourage qualified college-bound radio amateurs to take advantage of these opportunities by requesting an application package by letter or QSL card prior to 30 April of the year they expect to go to attend college from the

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

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

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

"By now almost everyone is convinced that we are near the bottom of the 20th sunspot cycle in man's record of solar activity, and that, as a result, there is no point in looking for anything interesting on 10 meters for at least another two years. The first part of this is true. During late March, 1975, the solar flux index was wavering between 68 and 69, its lowest level in more than 10 years. The minimum solar flux is about 66 for a "quiet sun" at the bottom of the solar cycle – the equivalent of a Zurich sunspot number of 0. Fortunately the second point is wrong; the result of incomplete information about solar activity cycles and their effects on hf radio propagation.

One aspect of the 10-meter band that makes it so fascinating for amateur communication is its variability. (Fortunately for us, this quality makes it less than fully attractive for commercial and military communications!) "I like Ten because you never know what's going to happen next" sums it up for many of us. We're learning more about "what's going to happen next" all the time, but the band still has some real surprises left.

Take the weekend of October 11-13, 1974. Only two weeks earlier, the solar activity was very low. The solar flux...hit a low of 72.4 September 24 and 25, well below levels at which 10-meter DX activity is expected. Then things started to happen. Beginning Sept. 26, the flux index was 75, then 77 – 80.4 – 90 – and up – up – up, until on Oct. 12 it reached an astounding 145.

...Why? Well, a sunspot cycle does not look like a sine wave at all. Drawn in detail, it would have peaks and valleys scattered here and there, more and higher peaks in the high part of the cycle, and more and deeper valleys in the low, but still rough in spots anywhere. Now and then there can be high to very high peaks, even in the "low" years. So – though we are bouncing along in the trough between two solar cycles right now, the 10-meter band should not be written off as useless, this year or *any* year."

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## 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 #04189, W6OI License Trustee, 21518 Marjorie Avenue, Torrance, CA 90503-6418. Enclose a photocopy of your amateur license.

# HONOR ROLL SCHOLARSHIP FUND VOLUNTEERS

The following attendees at the 9-10 June 2000 Board of Directors meeting in Boise, Idaho became Scholarship Fund Volunteers:

05956	K7QXG	Bob Peschka
11843	K5ERJ	Ed Redwine
19636	W6YLJ	Chuck Imsande
20423	K0NO	Rex Holford
21274	WA6POZ	Gerry Gross
37297	KA5OVO	David Prichard
54625	K7BOI	Michael P. Elliott
55192	K0DBK	Brad Kimble
63324	KR7RK	Keith Schlottman
65812	K6RDK	David P. Smith

The following visitors to the 10-10 booth at Dayton 2000 made donations to the Scholarship Fund:

08995	N2WA	Walter Wingate
12544	WA8YQR	Orville B. Harding, Jr.
12767	K7POS	Floyd A. Loftis
12878	WC9M	Tom L. Laird
13390	WB7OND	Richard Linder
15877	VE3IHM	K. Becsei
17366	WB6NOA	Gordon V. West
21511	WA2OIZ	Ivan D. Stillwell
25384	W8HIU	Joel Goldberg
26001	WB1DBZ	Emile H. Montplaisir
28738	WB3CAI	Mark Senk
28842	KH6OE	Patricia R. Hibbs
29576	KB8XO	Howard B. Fryling
31140	KD9F	Gary L. Dearth
35152	K9KUZ	James T. Kouzmanoff
36007	WA6ZPX	Marjorie J. Smothers
41159	W4RNL	L.B. Cebik
43313	N9AVY	Jerald F. Heien
43715	W7LEW	E. Patrick Roberson
46846	WD8CTX	Rodney D. Crawford
49563	KC4FGG	Robert W. Young
49865	K8PEJ	Richard A. Medynski
64283	AC2G	Robert Lisnak
68150	N3PUR	Michael W. Thompson
68472	KT4VP	Alfred B. Westbrook
69146	KC8EBR	James C. Barnes
69312	KC8IYG	Alvin R. Sharp III
69474	KB9NTG	David N. Bendt
69559	KD7BCC	Ken Bibens

70158	KE4CFV	William F. Schultheis
70782	KA3JCA	Richard G. Brannen, Jr.
70841	KI0MB	Brian D. Smith
70999	KC8JVV	Eric R. Smith
71025	W0ZAP	Richard D. Parent
71124	KD5DKZ	Steven P. Wilson
71154	N3WRW	Robert L. Rowley
71450	K8IN	Jerry O. Grooms
No #	KA5GIA	Rebecca R. Born

We have received three donations to date in response to the Chapter Scholarship Program Contest announcement in the January 2000 10-10 News. Hopefully the coming months will see a significant increase in the number of participants in this most worthy cause.

05723	K4HTU	Bob Lucas, Cypress Chapter
35877	N5OAS	Ray Dobson, South Texas Lighthouse Brigade
71738	KC8NYW	Robert Hollingsworth, Lilac City

The following 10-10 members became Scholarship Fund Volunteers during the months of May, June and July 2000 by making contributions with their dues renewals. We encourage all our members to follow their fine example.

02047	WA3DZS	John J. McCloskey, Sr.
02199	W8RYB	Robert L. Payne
11112	W5AB	John M. Sharpe
12812	WB9FCZ	William D. Renner
40127	W6JNU	Alvin I. Toll
55664	KB7JEY	William P. Cooper
61787	N2OWZ	Jeffrey A. Scofield
62302	KB0EVM	David K. Hanson
63902	KA1YQE	Richard F. Moore
67153	N1STY	Stuart R. Sherman
70404	WB3ACK	David A. Hinkle, Sr.
70689	N3YER	Kenneth J. Hoover

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.

*Catch us on the web*

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

# Silent Keys

Compiled and listed by  
Ruth Bartholomew NØKDB #48715



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

- 00887 W0TEC Jack D. Herndon ..... Medicine Lodge, KS
- 01564 VE7SR John Eric Shaw ..... Oyama, BC, CANADA
- 03101 KD0IL William B. Lee ..... St. Louis, MO
- 04582 WB4SXM John C. Criner, Sr. .... Thomas, WV
- 05615 WB4UDK Clarence A. Hinds ..... Florence, SC
- 06059 WA6FNE Robert B. Press ..... Boynton Beach, FL
- 06566 W3LVC Clifford H. Campen, Sr. .... Elkridge, MD
- 06570 K0RH Ronald B. Harder ..... North Port, FL
- 07077 W7AGE Marvin W. Alnutt ..... Bellevue, WA
- 07708 W0WQF John C. Gedney ..... Excelsior, MN
- 09032 WA3HMJ Clyde E. Jones ..... Lancaster, PA
- 09950 K9DDM Howard Ferguson ..... Frankfort, IN
- 10104 KB8BV Richard E. Siekemeyer ..... Cincinnati, OH
- 10108 WB5KWF Nash H. Miller ..... Temple, TX
- 10260 WN7K Curtis G. Chezem ..... Eugene, OR
- 10835 K4FVI Charles A. Morgan ..... Hampton, VA
- 11062 W5HO Charles W. Cook, Sr. .... Pollock, CA
- 11193 VE3BBL William Allister Detenbeck ..... Toronto, ON, CANADA
- 11330 W8LB Loren Beck ..... Massillon, OH
- 11473 W1XU James H. Gray ..... Payson, AZ
- 11559 K4VOS William Resch III ..... Pittsford, NY
- 11790 W5COE John E. Dalby ..... Oklahoma City, OK
- 13386 W7DIB Ralph Kline ..... Yuma, AZ
- 13973 W0QL Fred W. Lagerholm ..... Rockford, IL
- 16168 W8OJW Alex J. Meleg, Sr. .... Canton, OH
- 16204 WA8AZB George E. Ward ..... Free Soil, MI
- 16738 W3PLI George B. Kabroth ..... Mechanicsburg, PA
- 16776 K3NPW H. David Leiser ..... Monaca, PA
- 18069 W0CEL Riley M. Dunn ..... International Falls, MN
- 18205 WB2LLZ John Yancone ..... Rochester, NY
- 18748 WA4RNP Joseph E. Smith, Jr. .... Bessemer, AL
- 19299 WB4VHK Margaret A. Raines ..... Cowarts, AL
- 19523 NK0O Chester E. Knoll ..... Eckert, CO
- 20074 K9DXB Robert L. Kennedy ..... Merom, IN
- 21891 KP4CKY Agustin Santana ..... Carolina, PR
- 22731 AD1I William J. Kenefick ..... Vershire, VT
- 23242 WA2AXH Donald Cole ..... Ravena, NY
- 23321 KD5VS Thomas S. Foster ..... Mossyrock, WA
- 23825 KB0DT David L. Sprague ..... Agoura Hills, CA
- 24715 WA4TFG Jack Beverly ..... Red Springs, NC
- 30835 KF5OX Donald Powell ..... Las Cruces, NM
- 24841 K4LDW Willis E. Sawyer ..... Honea Path, SC
- 26043 W4GUJ John G. Witherspoon ..... High Springs, FL
- 26809 WD4V Lawrence P. Myers ..... Saraland, AL
- 28419 KB5PB Andrew W. Bell, Sr. .... Greenville, MS
- 29712 N4ASP Harold L. Foshee ..... Birmingham, AL
- 30816 WA2PLK Ernest E. Mintel ..... Canadaiqua, NY
- 31083 KK5JX Joseph C. Oberndorfer ..... El Paso, TX
- 31153 KC9EV Gerald R. Melotik ..... Milwaukee, WI
- 31217 KA4DTU Comer A. Gentry, Jr. .... Birmingham, AL
- 31351 W3IR Bruce I Green ..... Edgewater, MD
- 31383 AE1H Carleton W Todd ..... New Canaan, CT
- 31436L W7FGJ Henry P. Zanotti ..... Lake Oswego, OR
- 31548 N0AVF James E. Schenck ..... Mesa, AZ

- 32035 WG4X Harold R. Byrd ..... Ft. Walton Beach, FL
- 32668 NR6S Hugh F. Glasgow ..... Cerritos, CA
- 32774 W7TVK James S. Anderson ..... Casper, WY
- 32826 W8NOF Royal Hillier ..... Sarasota, FL
- 34522 WD4ITE Virgil R. May, Jr. .... Richmond, VA
- 34702 W6SRQ Robert L. Clark ..... Los Angeles, CA
- 35052 VE3BYX Carl Urias Everson ..... Osgoode, ON CANADA
- 37311 WB4WZH Arthur J. Donneson ..... Fayetteville, NC
- 37528 NB2I Gordon Batchelor ..... Laguna Vista, TX
- 37553 NT2Y Joseph G. Washco ..... Lewiston, NY
- 37696 K6SRD Lowell M Lux ..... Santa Rosa, CA
- 37803 ZL1BDU Ray Catton ..... Howick, Auckland, NEW ZEALAND
- 38443 VE7FCZ Eric L. Mallett ..... Victoria, BC, CANADA
- 40107 KD6SN Erwin C. Milde ..... Platteville, WI
- 40180 K6QPZ Patrick J. McAuliffe ..... El Paso, TX
- 40284 VE3GIR Kenneth Robinson ..... Kemptville, ON, CANADA
- 40583 K2QGH "Howard Hirst, Jr." ..... Pitman, NJ
- 41125 W4EJY Harold M. Clayton ..... St. Petersburg, FL
- 41397 KA8TKX David H. Archer ..... Akron, OH
- 41551 W6JSB Cecil W. Woods ..... Suisun, CA
- 41623 W0GE Leo W. Honea ..... Ft. Collins, CO
- 41990 W2JLJ Joseph J. Loy ..... Morgan, NJ
- 43143 WV5M Michael K. Scism ..... Houston, TX
- 43480 KE0HC Robert J. Wintle, Sr. .... Parsons, KS
- 44119L N3GZE Chester A. Gardner ..... Ellicott City, MD
- 44279 KR4MI Joseph E. Nunez ..... Waycross, GA
- 45368 N4PQK Robin Hood ..... Asheville, NC
- 45723 KM6LO Harry Kozlowski Jr. .... La Puente, CA
- 46477 N4YZC Lee Waggener ..... Nashville, TN
- 47100 KB6AJM Willard A. Hall ..... Sausalito, CA
- 47120 N6RJY Ray Helenius ..... Burlingame, CA
- 49430 KK6HH Donald Coker ..... N. Hollywood, CA
- 49933 K4KSI Charles C. Kissinger ..... Henderson, KY
- 50700 N4OBQ Robert W. Kelly ..... Miami, FL
- 51410 KM4WE Thomas J. McNeish ..... Middleburg, FL
- 52027 N7HCC Charles W. Gleysteen ..... Tacoma, WA
- 54180 N8KMP Robert W. Bates ..... Brunswick, OH
- 54963 WB9VYK Arthur Anderson ..... Chippewa Falls, WI
- 55358L KC6IHR Donald Dewey ..... Sierra Madre, CA
- 55796 KA3OCH Charles Fred Boettcher ..... Reading, PA
- 57257 W6JUS William G. Patterson ..... Santa Rosa, CA
- 57310 K9DFK Donald L. Lecklitner ..... Frankfort, IN
- 57904 KK6WI William B. Chaney ..... Granada Hills, CA
- 60293 AA9EF Robert A. Stockfish ..... West Bend, WI
- 61919 WW3R William G. Frye ..... Gaithersburg, MD
- 62458 N1JSR Lee H. Jones, Jr. .... Saco, ME
- 63133 W6EFB James S. Evans ..... Ridgecrest, CA
- 64882 KB8PAO Howard Proud ..... Cincinnati, OH
- 65068 N5RMO Raymond L. Bethel ..... Coleman, TX
- 65256 W0QOB George Howard ..... Littleton, CO
- 65562 W2CAY Albert H. Dabb, Jr. .... Newark, NY
- 66288 KC5BAP James B. McGinnis ..... Ft. Smith, AR
- 66496 N9YGY Estel Easterday Jr ..... South Whitley, IN
- 68550 W1FMO Peter J. Horvath ..... Underhill, VT
- 68660 W3IYG Francis A Lisicky ..... Catasaquua, PA
- 70304 DH1JF Ferdi Clemen ..... Haan, GERMANY
- 70808 DH6EAL Broder Andresen ..... Solingen, GERMANY
- 70971 KC0GLT Todd D. Humphrey ..... Ft. Calhoun, NE

*"L" after 10-10 number denotes Life Member*

Please send silent key information to Ruth Bartholomew, NØKDB  
HC65 – Box 102A, Sullivan, MO 63080-9204  
or email n0kdb@fidnet.com

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

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

# 10-10 AWARD INFORMATION

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

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

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

## BAR AWARDS

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

### INTERNATIONAL 500 OF THE WORLD (VP)

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

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

### WORKED ALL CONTINENTS AWARD

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

### COUNTIES AWARD

10-10 offers an award for working all 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

### WPX (PREFIX) AWARD

The basic certificate is awarded for working 100 different prefixes

### GREAT BRITAIN COUNTIES & REGIONS CERTIFICATE

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

## AWARD MANAGERS *AWARDS RULES WERE UPDATED JAN 1 2000 - PLEASE SEND SASE OR EMAIL FOR UPDATE*

### BAR APPLICATIONS 100-900

Dan Morris, KZ3T # 41015 ..... 112 Royal Oak Court ..... Lenoir, NC 28645 ..... (828) 728-5049 ..... KZ3T@conninc.com

### BAR APPLICATIONS 1000+

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

### VP BAR AWARD MANAGER

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

### VP WORKED ALL STATES MANAGER

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

### VP LUCKY 13 CERTIFICATE MANAGER

Dan Morris, KZ3T # 41015 ..... 112 Royal Oak Court ..... Lenoir, NC 28645 ..... (828) 728-5049 ..... KZ3T@conninc.com

### CONTINENTS AWARD MANAGER

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

### COUNTRIES AWARD MANAGER

Hank Richroath, K5HWI #63313 ..... 1004 S. Howeth Street ..... Gainesville, TX 76240-5904 ..... (940) 612-1111 ..... k5hwi@ntin.net

### COUNTRIES AWARD MANAGER

Russ Gauthier, N5EJS #01525 ..... 8816 HWY 165 ..... Pollack, LA 71467 ..... (318) 765-3904 ..... n5ejs@bellsouth.net

### CW AWARD MANAGER

Lee Zalaznik, K16OY #50948 ..... 334 Olivina Avenue ..... Livermore, CA 94550 ..... (925) 455-0361 ..... lzlnk@ix.netcom.com

### MOBILE AWARD MANAGER

Dave Becker, K7PRZ #47633 ..... PO Box 880 ..... Ridgefield, WA 98642 ..... (360) 887-7155 ..... k7prz@earthlink.net

### OM/XYL AWARD MANAGER

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

### WORKED ALL STATES AWARD MANAGER - temporary

Tom Henderson, K4CIH #33233 ..... 4901 15th Place E ..... Tuscaloosa, AL 35404-4522 ..... (205) 556-6543 ..... k4cih2@home.com

### WPX (PREFIX) AWARD MANAGER

Al Longo, NN1J #41728 ..... 20 Primrose Road ..... Bristol, RI 02809 ..... (401) 253-5087 ..... nn1j@arrl.net

### GREAT BRITAIN COUNTIES & REGIONS CERTIFICATE MANAGER

Mike Crawshaw, G4BLH #18446 ..... 50 Kibble Grove ..... Brierfield, Nelson, Lancs, England BB9 5EW ..... Tel 0044 2182 613754 ..... g4blh@zen.co.uk

# 10-10 AWARDS

**TOP TEN HONOR ROLL**

*Award Manager:*  
Allen Mattis  
N5AFV #27571

#	CNTCTS CALL	10-10#
01	24200 WA5JDU	03017
02	20000 WB1DBZ	26001
sk	19400 W0RWC	00518
03	17000 PJ2WG	27999
04	16700 W4WKQ	33299
05	16500 K5MRU	00218
06	14000 WB7NUU	17416
07	11600 WA9LIC	01599
08	11500 K0PV	09902
sk	11400 N5CUQ	00040
09	10900 K5GAY	11825
10	10800 NS4M	41176

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**1000+ BAR AWARD**

*Award Manager:*  
Allen Mattis  
N5AFV #27571

**1000 BAR**

CERT #	CALL	10-10#
1475	VE4ALN	69217
1476	KF4NNL	69680
1477	AC5HM	65048

**2500 BAR**

CERT #	CALL	10-10#
396	KA3WWG	56860
397	WB0RHR	19561
398	WH2AAT	43944
399	W6YLJ	19636

**5000 BAR**

CERT #	CALL	10-10#
078	K9EHP	02847
079	WB4FBS	48461

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**500 BAR AWARD**

*Award Manager:*  
Dan Morris  
KZ3T #41015

VP #	CALL	10-10#
3116	K6UGS	12333
3117	W4YRB	69777
3118	KL1V	69009
3119	WA4EEZ	15675

3120	K3ISS	00336
3121	ZL1BDW	54222
3122	DF3TE	69610
3123	DH1PAL	69212
3124	ZL2SM	37881
3125	NPNGG	62956
3126	NM3O	58513

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**LUCKY 13 AWARD**

*Award Manager:*  
Dan Morris  
KZ3T #41015

VP #	CALL	10-10#
432	N2TDT	64232
433	N3TF	58528

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**VP AWARDS**

*Award Manager:*  
Carl Fisher  
W0HIK #40678

**VP WAS**

CERT #	CALL	10-10#
021	KC5BKT	64386

**VP100**

CERT #	CALL	10-10#
462	KA9MUI	68604
463	W8WV	62839
464	KE3LE	64582
465	WA9LJK	70789
466	ZL2GJ	19034
467	W2VHX	23261
468	KA7CWS	50288

**VP200**

CERT #	CALL	10-10#
239	KE6FQC	69047
240	VE4ALN	69217
241	W0FNN	67939
242	W3TEY	48018
243	KA3VDN	56869
244	KF4RIC	70016

**VP300**

CERT #	CALL	10-10#
150	KB8QKV	67641
151	KA4N	50786
152	W6YLJ	19636

**VP400**

CERT #	CALL	10-10#
105	KA2RVZ	53657
106	K4OZ	42550
107	W6YLJ	19636

**VP500**

CERT #	CALL	10-10#
069	KB9MJ	22313
070	K4ADB	17538
071	W6YLJ	19636
072	KC5BKT	64386

**VP600**

CERT #	CALL	10-10#
039	KB0ON	29849
040	KE9WZ	49610
041	KB9MJ	22313
042	AA1KS	56510
043	W6YLJ	19636

**VP700**

CERT #	CALL	10-10#
027	KB0ON	29849
028	KB9MJ	22313

**VP800**

CERT #	CALL	10-10#
018	KB0ON	29849
019	KA7ICF	46221
020	KB9MJ	22313
021	K4CIH	33233

**VP900**

CERT #	CALL	10-10#
014	KB0ON	29849
015	K9EHP	02847
016	KB9MJ	22313

**VP1000**

CERT #	CALL	10-10#
012	KB0ON	29849
013	KB9MJ	22313

**VP1100**

CERT #	CALL	10-10#
009	KB0ON	29849

**VP1200**

CERT #	CALL	10-10#
006	KB0ON	29849

**VP1300**

CERT #	CALL	10-10#
005	KB0ON	29849

**VP1400**

CERT #	CALL	10-10#
004	KB0ON	29849

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**WORKED ALL CONTINENTS AWARD**

*Award Manager:*  
Dick Corlew  
NC6V #25057

CERT #	CALL	10-10#
529	KE6FQC	69047
530	WA4EEZ	15675
531	K4OZ	42550
532	LU3CT	68907
533	DL2CHN	70110
534	KF4RIC	70016
535	W4YRB	69777
536	KE4HFY	66687
537	KH6F	37649
538	N9NGG	62956
539	KG4DWX	70848

⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄⇄

**DX COUNTRIES AWARD**

*Award Manager:*  
Russ Gauthier  
N5EJS #01525

CERT #	CALL	10-10#
548	DK3KD	58990
549	KB2TGU	71036
550	KB9JIF	67454

**35 COUNTRIES**

CERT #	CALL	10-10#
307	N0WM	02724

**55 COUNTRIES**

CERT #	CALL	10-10#
156	KA2SKO	38739
157	KA3TUG	50571

**75 COUNTRIES**

CERT #	CALL	10-10#
078	W5UFA	23660
079	VK6PP	38922

# 10-10 AWARDS

**80 COUNTRIES**

CERT #	CALL	10-10#
057	WB4FBS	48461
058	W9OO	09973

**85 COUNTRIES**

CERT #	CALL	10-10#
056	W9OO	09973
057	WA8YQR	12544

↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔

**WORKED ALL STATES**

*Temporary Award Manager:*  
Tom Henderson  
K4CIH #33233

CERT #	CALL	10-10#
2391	KE4BPL	65136
2392	DK3KD	58990
2393	N3LRP	69522
2394	W4YRB	69777
2395	KL1V	69009
2396	WA4EEZ	15675
2397	N6OPR	45715
2398	KF4TYB	69904

↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔

**COUNTY HUNTER AWARD**

*Award Manager:*  
Hank Richroath  
K5HWI #63313

**100 COUNTRIES**

CERT #	CALL	10-10#
444	N7GTW	62504
445	N5DAS	35877
446	KE3QH	66581
447	KD4ZAT	68597
448	WA4EEZ	15675
449	KF4MHY	67676
450	N1API	25468
451	W3VAL	71182
452	KA9MUI	68604

**200 COUNTRIES**

CERT #	CALL	10-10#
275	N5DAS	35877
276	KB6DB	71092
277	KF4RIC	70016
278	N1API	25468

**300 COUNTIES**

CERT #	CALL	10-10#
180	KM5EH	71103
181	N1API	25468
182	N5DAS	35877

**400 COUNTIES**

CERT #	CALL	10-10#
133	N1API	25468
134	N5DAS	35877

**500 COUNTIES**

CERT #	CALL	10-10#
107	N1API	25468
108	N5DAS	35877

**600 COUNTIES**

CERT #	CALL	10-10#
080	K5HWI	63313
081	K2BIL	68799

**1100 COUNTIES**

CERT #	CALL	10-10#
015	DL8YBM	36109

**1500 COUNTIES**

CERT #	CALL	10-10#
006	WB4FBS	48464

↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔

**WPX (PREFIX) AWARD**

*Award Manager:*  
Al Longo  
NN1J #41728

**100 PREFIX**

CERT #	CALL	10-10#
285	KE3QH	66581
286	WB9OMC	55959
287	ZL1BDW	54222
288	KA4NZG	49076
289	KF4MHY	67676

**200 PREFIX**

CERT #	CALL	10-10#
149	KM5EH	71103
150	WB9OMC	55959

**500 PREFIX**

CERT #	CALL	10-10#
032	KE9WZ	49610

**600 PREFIX**

CERT #	CALL	10-10#
019	WB4FBS	48461

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**MOBILE AWARD**

*Award Manager:*  
Dave Becker  
K7PRZ #47633

CERT #	CALL	10-10#
083	WA8YQR	12544
084	K4OZ	42550
085	ZL1BDW	54222
086	W6YLJ	19636

↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔

**OM/XYL AWARD**

*Award Manager:*  
Pat Hibbs  
KH6OE #28842

**BASIC - 10 TEAMS**

CERT #	CALL	10-10#
415	KM5EH	71103
416	KA2SKO	38739
417	WA4EEZ	15675

**25 TEAMS**

CERT #	CALL	10-10#
416	KA2SKO	38739

**50 TEAMS**

CERT #	CALL	10-10#
345	WD5HJC	21786
387	N3TGB	68129
416	KA2SKO	38739

**75 TEAMS**

CERT #	CALL	10-10#
416	KA2SKO	38739

**100 TEAMS**

CERT #	CALL	10-10#
337	KC5BKT	64386

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**CW AWARD**

*Award Manager:*  
Lee Zalaznik  
KI6OY #50948

**BASIC - 25 CW CONTACTS**

CW #	CALL	10-10#
050	HB9DOT	36694

**75 CW CONTACTS**

CW #	CALL	10-10#
049	N0WM	02724

↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔↔

**GB COUNTIES & REGIONS**

**CERTIFICATE**

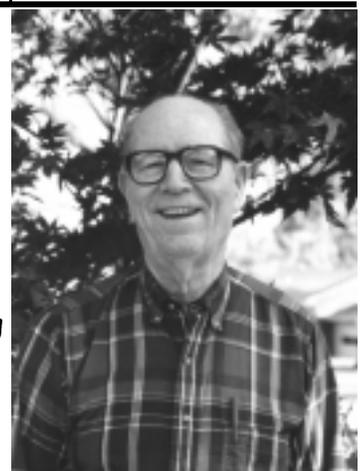
*Award Manager:*  
Mike Crawshaw  
G4BLH #18446

**BASIC AWARD 5 COUNTIES/REGIONS**

CERT #	CALL	10-10#
016	AA1KS	56510



WHY IS THIS  
TIRED OLD MAN  
SO HAPPY????  
BECAUSE HE IS TOM  
also known as  
**WBØ Red Hot Radio**  
And he has been making  
contacts on 10 meters  
**HAVE YOU?**



# Net Manager NET NEWS

**Bill Marple**  
AA6ZW #62075



This quarter has shown a dramatic drop in the total number of stations checking in on the nets. Propagation has been very bad, and the overall numbers reflect this. Although we don't enjoy this sudden drop, it is something that we have learned to expect around this time of year. Summer has been known to deliver a strong punch to us, however, we are still hearing our net controllers faithfully calling the nets. Remember, try and check in, even if the band sounds flat. You never know when that window will open.

I received an e-mail from Dirk, VP2VF, #63440, and he advised me that "Debbie" was expected to arrive at his QTH very soon, and he has taken down his antennas in anticipation of her arrival. No, Debbie is not his sister, cousin or girlfriend, but the first hurricane of the season. We certainly wish Dirk the best of luck, and hope he comes through without too much damage.

On August 3, I had the pleasure of presenting Louise, N6ELK, #36653 with her award for Net Controller of the Year. A group of local 10-10 members met for lunch at Keno's restaurant in Anaheim, CA, to honor Louise. I am sure most of our members have had the pleasure of working her over the years, and know how pleasant and professional she is. Louise has been a net controller for 10-10 for many years, and is also the net control operator for the club call, W6OI, #109. You can hear her calling the net on Wednesday, on 28.800 at 1800z.

On a sad note, we wish to express our condolences to Dick, K6PZE, #1341 on the loss of his brother in law. Our thoughts go out to his family. Dick calls the net on Monday on 28.380. Also, to the family of Bill, WB6OMH, #6609, one of our former net controllers, and a great guy. Bill passed away recently, and will be missed greatly by all of us. If there is a ham radio in Heaven, Bill will be working somebody.

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



## QUARTERLY NET REPORT

APRIL, MAY and JUNE 2000

28.380			28.800			28.380			28.800			28.380			28.800		
MONDAY NETS						WEDNESDAY NETS						FRIDAY NETS					
DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#	DATE	TOTAL	w/o 10x#
04-03	13	0	04-03	18	0	04-05	22	5	04-05	40	1	04-07	23	6	04-07	33	0
04-10	32	0	04-10	40	0	04-12	59	21	04-12	37	1	04-14	23	5	04-14	19	1
04-17	8	0	04-17	16	0	04-19	40	5	04-19	35	0	04-21	25	1	04-21	3	0
04-24	28	0	04-24	28	0	04-26	40	6	04-26	40	0	04-28	7	1	04-28	4	1
05-01	3	0	05-01	9	0	05-03	19	0	05-03	20	0	05-05	27	1	05-05	4	0
05-08	23	0	05-08	28	1	05-10	15	1	05-10	18	0	05-12	14	1	05-12	3	0
05-15	1	0	05-15	16	0	05-17	4	0	05-17	15	0	05-19	14	0	05-19	3	0
05-22	14	0	05-22	28	0	05-24	1	0	05-24	25	0	05-26	12	0	05-26	3	0
05-29	2	0	05-29	16	0	05-31	4	0	05-31	15	0	06-02	9	0	06-02	4	0
06-05		0	06-05	19	0	06-07	7	2	06-07	24	0	06-09	27	1	06-09	5	0
06-12	34	0	06-12	42	0	06-14	1	0	06-14	9	0	06-16	21	0	06-16	3	0
06-19	3	0	06-19	14	0	06-21	12	1	06-21	20	0	06-23	16	0	06-23	1	0
06-26	3	0	06-26	18	0	06-28	6	0	06-28	27	0	06-30	17	2	06-30	4	0
TUESDAY NETS						THURSDAY NETS						SATURDAY NETS					
04-04	28	9	04-04	25	1	04-06	27	3	04-06	14	0	04-01	29	12	04-01	23	0
04-11	36	6	04-11	22	1	04-13	34	5	04-13	30	1	04-08	32	5	04-08	23	0
04-18	33	3	04-18	30	0	04-20	35	5	04-20	24	2	04-15	32	3	04-15	31	0
04-25	34	5	04-25	25	1	04-27	47	4	04-27	32	0	04-22	1	0	04-22	38	1
05-02	8	2	05-02	11	0	05-04	27	2	05-04	6	0	04-29	2	0	04-29	28	1
05-09	19	2	05-09	31	1	05-11	24	3	05-11	5	0	05-06	4	1	05-06	9	0
05-16	9	1	05-16	12	3	05-18	42	4	05-18	32	0	05-13	5	1	05-13	19	0
05-23	17	3	05-23	24	2	05-25	35	3	05-25	10	0	05-20	5	2	05-20	24	1
05-30	2	0	05-30	15	0	06-01	30	0	06-01	6	0	05-27	8	1	05-27	10	0
06-06	23	1	06-06	22	0	06-08	16	1	06-08	10	0	06-03	2	0	06-03	9	0
06-13	22	2	06-13	19	1	06-15	25	3	06-15	14	0	06-10	3	1	06-10	16	0
06-20	3	0	06-20	17	0	06-22	3	1	06-22	26	0	06-17	2	1	06-17	34	0
06-27	5	1	06-27	16	0	06-29	15	2	06-29	15	0	06-24	1	0	06-24	20	0

# 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 event.

## 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

See the next issue of the  
**10-10 News for all the  
QSO Parties in 2001**



Interested in scoring one of the  
contests in 2001? Contact the QSO  
Party Contest Manager Don Ward

## How to enter a 10-10 QSO Party

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

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

Also necessary is a DUPE Sheet *IF* you make  
more than 50 contacts. 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:

Event Box – which event?

Scoring Box – 2 points for each contact with a  
ten-ten 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 – go over carefully to make sure  
you have 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*.

**HAVE A GREAT TIME!!!**

*CATCH US ON THE WEB*

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

## TEN-TEN STAMPS

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



# 2000 Summer Phone QSO Party Results

KB9JIF	78	142	<b>ARGENTINA</b>			<b>JAPAN</b>			<b>CHAPTER SCORES</b>		
WA9TWE	67	131	Call	QSOs	Points	Call	QSOs	Points	Chapter	Logs	Points
KB9ARA	63	123	LU1BJW	190	362	JA1QGT	32	44	Possum Trot	26	2333
K9OB	62	119	LU6HSV	102	194	JA5GPJ	25	42	Trotters & Pacers	10	1750
N9VKE	44	88	<b>AUSTRALIA</b>			<b>NEW ZEALAND</b>			Houston Shot	12	1710
WA9RIJ	45	86	Call	QSOs	Points	Call	QSOs	Points	Steel City	11	1302
WD9AQL	44	84	AX2FHN	215	383	ZL3KR	130	245	Arizona Desert	5	1187
N9DAJ	39	77	VK2MJV	72	141	ZL1KQ	107	205	City Of Roses	3	961
W9BZP	34	67	<b>BELGIUM</b>			<b>PUERTO RICO</b>			C.A.T.T.	10	911
N9AAI	27	46	Call	QSOs	Points	Call	QSOs	Points	STX Lighthouse Brgd	3	766
K9KKX	18	35	ON4CLY	91	117	KP4DAB	35	53	Battle Road	5	696
KA9AMQ	13	26	<b>BERMUDA</b>			<b>SWITZERLAND</b>			Lilac City	3	651
N9BSS	13	26	Call	QSOs	Points	Call	QSOs	Points	City of Lights	4	641
WI9Z	8	16	VP9IX	60	110	HB9ACA	82	109	Flying Tigers	3	576
<b>AREA 0</b>			<b>BOLIVIA</b>			<b>WALES</b>			Channel Islands	8	569
Call	QSOs	Points	Call	QSOs	Points	Call	QSOs	Points	Lone Star	4	528
KC0CMZ	209	385	CP1FF	22	40	GW0IWD	138	189	Cypress	3	494
AB0MV	167	295	<b>BRAZIL</b>			<b>VIRGIN ISLANDS</b>			Mo-Kan	5	459
KB0UDM	143	267	Call	QSOs	Points	Call	QSOs	Points	Sky Blue Waters	3	454
KB0TFT	136	254	PY2KQ	61	118	VP2VF	583	1026	Golden Bear	6	432
W0QE	133	252	PY2DBU	26	41	NP2DJ	56	107	Bauxite	3	430
N0WY	118	218	<b>CANADA</b>			<b>CLUBS</b>			Neanderthal	3	417
W0FNN	111	205	Call	QSOs	Points	Call	QSOs	Points	Tango	1	362
KG2MD	106	202	VE3BUC	50	97	N1NW	115	210	Gateway	5	322
WB0DML	105	200	<b>ENGLAND</b>			<b>QRP</b>			Fort McHenry	3	316
W0RTV	82	162	Call	QSOs	Points	Call	QSOs	Points	White House	2	275
N0DBG	68	134	G3MDH	61	75	N4VB	50	90	Down Under	1	205
KA0ZIA	66	120	<b>GERMANY</b>			<b>CLUBS</b>			Springbok	1	205
N0XL	60	116	Call	QSOs	Points	Call	QSOs	Points	GB Ten	1	189
NX0X	41	80	DK3KD	150	208	N1NW	115	210	Waterkant	2	171
N0VYY	41	80	DJ2YE	112	156	<b>CLUBS</b>			Suncoast	2	157
W9VHL	41	77	DH1PAL	91	131	Call	QSOs	Points	Chief Seattle	2	147
WB0RHR	36	70	DF3TE	90	130	N1NW	115	210	Castle Craig	1	141
KA0EIC	29	58	DK7LA	76	124	<b>QRP</b>			Brooklyn Bridge	1	137
KB0MZE	27	52	DL5MC	30	47	Call	QSOs	Points	Borinage	1	117
K2HT	26	49	<b>GERMANY</b>			Call	QSOs	Points	Pine State	1	91
N0CUN	21	42	Call	QSOs	Points	DK3KD	150	208	Wind Farms	2	59
WB0QKN	21	42	DJ2YE	112	156	DJ2YE	112	156	Crazy Eight	1	55
KB0RQE	14	28	DH1PAL	91	131	DH1PAL	91	131	Milwaukee	1	46
WB0GGO	12	24	DF3TE	90	130	DF3TE	90	130	Crater Lake	1	38
N0WM	13	22	DK7LA	76	124	DK7LA	76	124			
K7EXO	8	14	DL5MC	30	47	DL5MC	30	47			

**CATCH US ON THE WEB**

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

## 10-10 CHAPTER SCHOLARSHIP CONTEST

As part of an ongoing program, all Chapter Heads (CH), Certificate Managers (CM) and their various chapter members have been asked to take part in a contest and support the 10-10 Scholarship Program. During the year 2000, when a CH or CM processes an upgrade either by regular postal mail or e-mail, a form will be returned for donation to the scholarship program. Chapter members may request a copy be sent to them at anytime. This is strictly a voluntary program and all donations are appreciated.

At the end of the year, our Scholarship Manager, Morrie Goldman, W6EHM, #4189, will tally the results and a nice plaque will be awarded to the winning chapter. Also a posting will be included in the 10-10 News. Remember these scholarships go to help others to reach their educational goals.

Thanks for your attention to this matter and I hope you all enjoy this most worthwhile contest. If you have any questions or suggestions, please let me know.

73, Brad Kimble, K0DBK, #55192

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

#### **XXIP**

XXIP is the expanded version of XXIQ, offering 10-10 number, call, name, address, city, state/country, membership status, expiration date, SK status, and will print address labels. Updated quarterly, it is available on 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

**SECTION 1 - MEMBERSHIP APPLICATION AND CONTACT LOG**

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

Please print your Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_ Year of Birth \_\_\_\_\_

City \_\_\_\_\_ State or Country \_\_\_\_\_

Postal/Zip Code \_\_\_\_\_ E-mail Address \_\_\_\_\_

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

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

\* as listed on Page 30 of this publication

YOUR SIGNATURE

	10-10 NUMBER	Call Sign	Operator's Name	Date of Contact	QTH (State, Province or DX Country)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

**SECTION 2 - FEE SCHEDULE AND PAYMENT INFORMATION**

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

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

**PMB142**

**643 N. 98th Street**

**Omaha, NE 68114-2342 USA**

for information email: wa6poz@aol.com

*DX Applicants mail to:*

**Carol Hugentober, WA8YL #29588**

**DX Area Manager**

**441 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)

**VISA**

Good Through: -

Name of Cardholder \_\_\_\_\_ PHONE (required): \_\_\_\_\_

SIGNATURE of Cardholder \_\_\_\_\_ Date: \_\_\_\_\_

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

# 10-10 QSO PARTY COVER SHEET

## EVENT BOX

Please Check Event Box

WINTER PHONE ..

SPRING CW .....

SUMMER PHONE.

FALL CW.....

10-10 SPRINT .....

## SCORING BOX (effective January 2000)

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

## ENTRY BOX

Please Check Entry Type

INDIVIDUAL.....

CLUB .....

QRP .....

Chapter Assignment (if any)

(not valid for 10-10 Day Sprint)

Call Area or ARRL Country you operated this QSO Party from

## CHECK LIST

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

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

**See QSO Party Calendar on page 27 for event dates and mailing information**

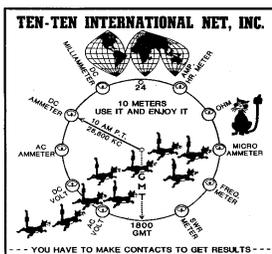
10-10 International Net, Inc.  
PMB 142  
643 N. 98th Street  
Omaha, NE 68114-2342

Address Services Requested

**TIME TO RENEW? EXPIRATION DATE IS ON MAILING LABEL BELOW**

**FIRST CLASS**

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



**OCTOBER 2000  
(FALL)**