

10-10 INTERNATIONAL

News

Volume 35 Issue 3

\$1.50

JULY 1997 (SUMMER)

Vanity Calls and Duplicate 10-10 Numbers

*By Gerry Gross, WA6POZ 21249,
10-10 Data Manager*

There have been many discussions, on the air and on the Internet, regarding vanity call signs and their effect on 10-10. Since I am the Data Manager, the President asked me to respond. From what I hear and read the biggest concern has been duplicate calls with multiple 10-10 numbers, sometimes neither one is indicated as a SK. First lets address duplicate calls. Duplicate calls on the 10-10 database have existed since the very beginning, both with DX calls and US calls. While they have and continue to be small in number compared to the total, the perception is that every reissued call can become a duplicate on the 10-10 database. Prior to the vanity call program there were 65 known duplicates, the result of either reissued US or foreign calls. Yes, in the past the US has reissued calls, mainly 1X2 or 2X1. In addition a few duplicates happened several years ago when some enterprising 10-10 member realized that the 10-10 definition of who or what constituted a unique identity, dreamed up the concept of a new identity and called it a club station. The definition was changed to prevent this in the future. But existing duplicates were not purged. Today the number of known duplicates is 70, as of April 30, 1997.

Other problems with the database are

(Continued on page 11)

Call for Nominations

***Canaditates for Officers and Directors for 1998
now being accepted***

Ten-Ten will be holding elections for Officers and Directors in 1998. The following offices will be open for nomination. President, Vice President, Secretary and 5 Director positions. Members wishing to be nominated may do so by the following policy and procedure:

1) Members must have been a paid up dues member for two years immediately preceding their nomination.

2) Members may be selected for nomination by the Nominating Committee or petition for candidacy.

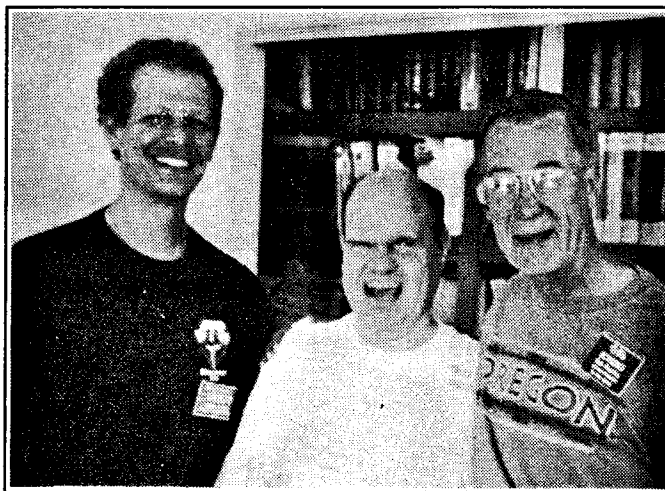
3) Members wishing to be selected by the Nominating Committee must have their information in to the Committee prior to November 15, 1997. Send an SASE to the Chairman of the Nominating Committee, Al Britton N6TXT #50198, 8431 Hidden Valley Circle, Fair Oaks, CA 95628. You will be sent a nominations form which must be returned by November 15, 1997.

4) Members who are not selected by the Nominating Committee will be notified, in writing, by the Chairman of the proper method of petition.

5) Members and nominees not selected by the Nominating Committee may petition for candidacy. Such petitions shall be signed by 50 full members and submitted to the Secretary by February 15, 1998.

The Secretary will verify the validity of the petitions and the eligibility of the candidates and place the names on the ballot along with those names submitted by the Nominating Committee. All petitions will be sent to the

(Continued on page 11)



1997 Winter CW Contest Winners at the recent 10-10 Hill Country Picnic. Left to Right: Bruce, KK5DO #65027, Winner Club Station W5GCH, Robert, WA5JDU #3017, Winner Area 5, and Bob, K7QXG #5959, Winner Area 7.

OFFICERS AND DIRECTORS

President Tom Henderson, K4CIH #33233
4901 15th Place E., Tuscaloosa, AL 35404-4522
Vice President Chuck Imsande, W6YLJ #19636
20815 Desert Sands Dr., Sun City West, AZ 85375-5446
Secretary Dave Prichard, KA5OVO #37297
16314 Thunderbay Dr., Houston, TX 77062-5111
Treasurer Keith Schlottman, K17RK #63324
9581 E. Calle Cascada, Tucson, AZ 85715-5819
Director Linda Barnes, KJ4FM #43299
310 Sequoyah Dr., Kingsport, TN 37660-3742
Director Garry Cameron, VE7ACM #30939
3528 11th Ave., Port Alberni, B.C.V9Y 4Y7 Canada
Director Mike Elliott, KF7ZQ #54625
9832 W. Gurdon Ct., Boise, ID 83704
Director Tom Michaelson, N0MT #55241
901 Starview Ln., Lincoln, NE 68512
Director Bill Howe, VK4WBH #22187
13 Fritz St., Loganlea, Queensland, 4131 Australia
Director Pete Matson, KC1CP #37190
73 S. Edgewood Rd., Niantic, CT 06357-2036
Director Dick Russell, K6SSD #62500
10537 Peacock Cir., Midwest City, OK 73130
Director Ed Redwine, K5ERJ #11843
9 Yellowrose Lane, Augusta, KS 67010-2230
Director Bob Ryan, K6YVG #18022
26409 Doveweed Way, Santa Clarita, CA 91350-2647
Director Joe Williams, WA9TSG #310
PO Box 93181, Milwaukee, WI 53203-0181

NET OFFICIALS

Award/Cert. Guide Mgr Linda Barnes, KJ4FM #43299
310 Sequoyah Drive, Kingsport, TN 37660-3742
Chapter Coordinator Dave Smith, WB6RDK #65812
1349 Vernon Terr., San Mateo, CA 94402-3331
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21518 Marjorie Ave., Torrance, CA 90503-6814
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PO Box 445, La Feria, TX 78559-0445
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AWARD MANAGERS Listed on page 30

MEMBERSHIP INFORMATION Listed on page 31

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10-10 *News* INTERNATIONAL

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The *10-10 International News* is published four times annually by the **TEN-TEN INTERNATIONAL NET, INC.** Publication dates are approximately mid January, April, July and October.

DEADLINE FOR NEXT ISSUE

September 1, 1997

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

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

Photographs are encouraged. Black and White or Color are acceptable. Include complete information on the back of each photo. Attach a label or other suitable paper to the back of the photo and write all information on the label, not the photo.

10-10 Chapter activities and reports should be sent to the Chapter Coordinator, Dave Smith, WB6RDK #65812, 1349 Vernon Terrace, San Mateo, CA 94402-3331.



Member
**AMATEUR RADIO
NEWS SERVICE**

10-10 NET CONTROL STATIONS

ALL NETS BEGIN AT 1800Z

Monday (28.380) Dick, K6PZE #1341
Monday (28.800) Harold "Scotty" Scott, WA6TQC #71
Tuesday (28.380) Russ, N5EJS #1525
Tuesday (28.800) Don, KB6QLC #42822
Wednesday (28.380) Christine, N7PVL #58018
Wednesday (28.800) Louise, N6ELK #36654
Thursday (28.380) Bill, AA6ZW #62075
Thursday (28.800) Bill, WB6OMH #6608
Friday (28.380) Jimmy, AE4NA #66957
Friday (28.800) Sherm, K6PTF #17977
Saturday (28.380) Ed, KC4RIY #58203
Saturday (28.800) Al, W6RNX #92
Sunday **"NEVER ON SUNDAY"**

President's Message

Tom Henderson
K4CIH #33233



The Dayton Hamvention has come and passed by the time you read this issue of the *News*. For a change we had great weather, a little on the cool side and appreciated. The 10-10 forum was held in a local school not far from Hara Arena (with free bus service) and was attended by close to 40 members. Most of the 10-10 members were lodged at the Days Inn in Brookville, OH. This is only a short drive from the Salem Mall where free bus service to the arena is available. A 10-10 net was held on Saturday evening with about 20 check-ins. If you have never attended the Dayton Hamvention, you should consider attending next year. You will be surprised to find somewhere between 30,000 and 35,000 hams all in one place. Give it some thought and plan to attend and join the 10-10 gang at the Day's Inn in Brookville.

One item I need to address is the late logs from the winter QSO Party. Because of a post-mark deadline misprint in other magazines, there were a few late logs sent in (listed elsewhere in the *News*). These were of course scored and proper certificates sent to those who placed in the winning circle. I have apologized to those very few who received certificates that had to be recalled. Don Ward, W0RTV #13962 has been appointed Contest Manager. Don will be working very hard to enlist Chapters for scoring and see that we continue with as few problems as possible. Many of you have asked that the results of the QSO Parties be published in the issue of the *10-10 News* following the Party. This is somewhat difficult due to the deadline for the QSO Parties and the deadline for sending information to the Editor. However, rest assured that this will be worked out and we will do our best to publish the results of QSO Parties as soon as possible. The dates for the QSO Parties this year are set and the deadlines are published in this issue. The dates for the 10-10 News are fairly well set in cement and next year's QSO Parties may possibly have slightly different dates but will be in the vicinity they are now. This will hopefully provide enough time to have the logs sent in and the results to the Editor in a timely fashion. Although we do realize that it is difficult for Chapter entries

to be gathered quickly, we would ask that all Chapters and individuals please endeavor to send off their logs as soon as possible after the QSO Party. This sure does help with the scoring and the end result will be a little quicker for all. I would really appreciate your cooperation in this. Note: Announced in this issue of the *News* is a new six-page guide for QSO Parties, including rules, a sample dupe sheet and cover sheet. We are also working on a prefix sheet that will be helpful when working the QSO Party to check off your Prefix multipliers.

Council Bluffs, Iowa - right over the horizon and we are chomping at the bit. A good time is planned for all that attend and we hope the turnout is better than 1995. Our conventions can only be successful if we have you in attendance. Hope to see all of you at the convention in Council Bluffs, Iowa.

I do wish to report that the Chattanooga Choo-Choo Chapter and all the facets of this fine program have been temporarily put on the side-track for an unknown period of time. For fourteen years Paul (W4UIQ) and Alice (NR4R) Jenkins have done an outstanding job with this 10-10 Chapter. It has always been one of my favorites. Paul and Alice, in a letter to me, state that they will be moving to Florida to be with family. They also reminded us that we should not discard our paperwork until we hear further from them. Let's hope they find a way to keep it going. Thanks Paul and Alice for a great trip on the "Choo-Choo", and I hope the train will run again.

As for the propagation on ten meters - there are a few openings now and then. I have heard South America quite often, especially LU area. There have also been short openings to the north and west of Alabama. Maybe the cycle will eventually smile on us and get this old band

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Presidents Message

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moving. If you have a computer and can access the TenTen-L site and receive the daily digest, you will usually see daily activity reports. This can be a great help in determining the possible openings.

I would like to address another 10-10 effort that needs your help. That is the Scholarship Fund. As you all know 10-10 is the proud sponsor of three (3) \$1000.00 Scholarships each year. When we expanded our scholarship program a few years ago, it was hoped by the Board of Directors that the membership would fund most or all of the expense of the Scholarship fund. Last year, 1996, we exceeded our goal of \$3000.00 in donations from the membership. This year, 1997, we would like very much to do the same, that is have donations completely fund the Scholarship Fund. For this to happen, we need your help. Many members make a donation along with their dues renewal, and for this we thank you. Many others with multiple years dues send their donation direct to the Scholarship Manager and for this we thank those members. Many Life Members make a commitment of making a donation once each year, and for their donations, we thank them. But for those of you that have not made a donation this year, we solicit your help and would appreciate your consideration of making a donation. Each member making a donation receives a **Certificate of Appreciation**, making them a Scholarship Fund Volunteer for the year 1997. Please, while this message is fresh in your mind, make your donation to the Scholarship Fund for 1997, if you have not done so to date. Send your donation to Morrie Goldman, Scholarship Manager, address is on page 2.

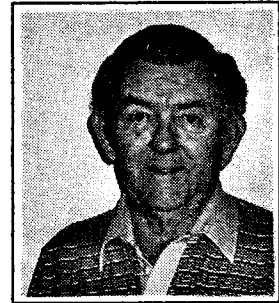
I have some sad news to report. First, Jack Miller, W9WYN #6894, became a Silent Key on June 26, 1997. "Gentleman" Jack Miller, long time 10-10 member, as noted by his number 6894, was elected to the Board of Directors at the first general election and served 10-10 well during his time as a Director, offering many new and revised policies. Jack was an active participant in all 10-10 contests and promoted 10-10 at all of the local ham conventions. Our heart felt sympathy goes out to Dorothy. Jack was not only a devoted member but a personal friend. Fairwell good friend and "keep a light on." Please see more about Jack on page 25 of this issue of the **News**.

(Continued on page 19)

from the

Editors Desk

Chuck Imsande
W6YLJ #19636



There are two QSO Party Cover Sheets in this issue of the **News**. One for the Summer Phone Party on 2-3 August and one for the 10-10 Day Sprint on 10 October. Please use the correct sheet for the log you submit. For the Sprint Cover Sheet it will be necessary for you to attach a copy of your mailing label from this issue of the **News** or a photo copy of your membership card. You may photo copy either or both if you do not want to cut up your copy of the **News**. You should receive your October issue prior to the Fall CW Party on 25-26 October which will have the Cover Sheet for that party. **Please note the postmark deadline dates** as published on the cover sheets. Logs postmarked after the deadline dates will be disqualified.

Now an appeal for help. The **News** is your magazine and your help is needed to keep it interesting and full of member information. Send your picture, a picture of your station, information about what you are doing in ham radio, etc. Do you have an interesting second hobby? Let us know about it. Several chapters regularly send information about their functions. How about your chapter? Are you doing anything other than your weekly net meetings? We need your input to help fill the **News**. Let me hear from you. My address is on page 2.

Mr. 1010

Pete Dillon, N3FNE #52799, of Pasadena, Maryland, besides being active in ham radio and 10-10, is a runner. Recently in a race, Pete received number 1010 as his race number. What Pete didn't tell us was how he finished in the race.



NEED AN FCC FORM 610?

10-10 WILL SEND YOU ONE AT NO CHARGE

Send your request to the Information Mgr. address page 2

The Future of Amateur Radio

Ira Adams, KS4RH #66921, achieved his advanced class license as an 11-year-old 6th grade student. He was initially licensed at age 10, as KE4JZI, a 5th grader in elementary school at the time. Ira's other interests include flying, computers and sports. He is a member of the A.R.R.L. and 10-10.



Ira, KS4RH #66921, with actor Mark Lenard, of Star Trek fame, at the Trek-Fest in Panama City, FL

Ira's project won 1st place in the Engineering Division of the local Science Fair. He, received a Special Award from the Panama City Amateur Radio Club for his achievements in science and communications. He was further recognized as the youngest licensed member (and advanced class operator) in the Club.

Also, due to these accomplishments, the local Star Trek chapter appointed him to be the personal host of actor Mark Lenard (Spock's father on Star Trek) during the Trek-a-rama Convention held in Panama City. An article, picturing Ira during the convention, was featured in the local paper.

All of the above is the result of a special project between the Panama City Radio Club and Bay District Schools. The intent of the program was to promote interest in science and mathematics through the introduction of Amateur Radio into the classroom. The project culminated in the licensing of over a dozen students at the Elementary, Middle and High School levels and the establishment of Club Stations at two of the schools! Coordinator of the project for Bay District Schools was David Smith, W5XT (ex AD4JT), and school-based liaison was Mike Adams, N3JW.

W6OI #109 on the Air

Jack Moore, K5CC (ex K4NF) #50708, was again the designated control operator for W6OI prior to and during the 9th annual 10-10 Hill Country Picnic held on 1 June 1997 at his QTH.

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

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

Hill Country 10-10 Picnic

The 10-10 Hill Country ninth annual 10-10 picnic was held on June 1 and a good group turned out again in this year for this annual event. hosted by Jack, K5CC #50708. The weather was great, ten meters was open and lots of good food. was available. It is reported that everyone had a good time. Plans are already underway for the tenth annual picnic next year. Attendance included 35 people with 24 tenten numbers represented. There were 3 10-10 club stations also represented. Those in attendance were:

00109	W6OI	CLUB	50708	K5CC	Jack
00317	WD5JDU	Robert	51310	N5NYN	Carl
05956	K7QXG	Bob	57105	N5TPR	Ed
20365	W5SC	CLUB	57160	N5SCA	Daryl
23693	WD5EDR	Bill	63313	WA5HWI	Hank
24949	N5MT	Mike	65027	KK5DO	Bruce
35877	N5DAS	Ray	65054	KC5BGK	Erik
42171	AA5WC	John	67011	KC5GXL	Dan
42188	KA5VVD	Robert	65098	KC5BNJ	Kathy
48461	WB4FBS	Cliff	67859	W5GCH	CLUB
48628	KB5DPM	Faye	67876	KC5QCD	Paul
50356	KM5FF	Ed	68051	KC5TPX	John

WHEN MOBILE - MONITOR 28.336 FOR BAND OPENINGS - WHEN HOME MONITOR 28.336 FOR MOBILES

FEATURED STATION

By Bob Ryan, K6YVG #18022

This issue I would like to claim writers privilege, and feature not only a very good friend of mine, but my boss on the Board of Directors. I have the honor and privilege of serving with him on the Operations Committee. He is very dedicated to serving the membership to the fullest extent of his abilities, which are considerable.



Ed Redwine K5ERJ #11843 was issued a Novice license in early 1956, and 10 meters was the furthest thing from his mind. That changed however, when, with General license in hand, a DX35 and a SX-99 Hallicrafters receiver, he found out just how hot ten could be when the band was open. It was late fall 1956 and Cycle 19 was going full blast. His most memorable contact was with a station in Tanganyika running 18 watts to home brew equipment, and on AM! Ed was thrilled, as his antenna was a 300 ohm dipole strung from the ceiling of his bedroom. After high school Ed worked in Washington D.C. signing K5ERJ/3 and from Indiana as K5ERJ/9. A pretty Indiana girl named Donna settled him down, and they soon married and moved back to his boyhood home of Tahoka, Texas, just south of Lubbock. Since family life now took precedence, ham radio was put on the back burner for several years.

Ed rebuilt his home station in 1976 and was back on the air with full force. No bands were spared as he relentlessly pursued propagation opportunities. This was when he was exposed to 10-10 courtesy and some mighty fine members like WB1CRR, W9MZZ, K2HLC and K1QFD. Ed soon had his own number in hand and became a bona-fide number collector. He started the "Old Plainsman Chapter" out of Lubbock. This one folded when band conditions, and deaths of several members took their toll on participation and membership.

In 1984 Ed and Donna moved to Augusta, Kansas. He quickly made friends within the local Ham community and by 1986, when cycle was on the upswing, he formed a new chapter called the "Air Capital Tentenners", after Wichita, the Air Capital. Local membership grew to over

50 and world wide, AC members numbered over 1000. Ed works almost exclusively for the past 8 years from his pick-up mobile, foregoing his basement fixed station. He has worked the world from the mobile using the Yeasu FT-757 and a Hustler coil and mount.

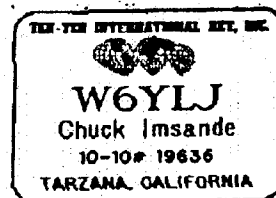
Ed became involved in 10-10 operations when he and the late Bob Crawshaw, W0NGV chaired the 1993 10-10 Convention in Wichita. Later, he became chairman of the Nominating Committee and was then voted to replace the ailing Peggy Pennel, G4MAE as Director. He ran for and won a full term as Director in 1995. Currently he serves as Chair of the Operations Committee. Operations is the committee responsible for Awards, Contests and the Chapter Coordinator. One of his favorite projects was getting the 10-10 mobile award added to the award lineup.

Ed's philosophy on 10-10 may be a bit different from the others. He says, "10-10 to me isn't points, or number of contacts, or even how many chapters you can join. 10-10 is people - guys and gals that are not just acquaintances, but rather are good close friends. That's what 10-10 is to me" Another one of his considerable talents is Woodcarving, and his creations are much sought after. He did a carving called "Homer The Ham" which was raffled off at the Tuscaloosa convention, and the bidding was intense. Ed is also a "Graphics Artist" and is a real professional. If you have never met Ed, he will be at the Council Bluffs convention, and you will probably find me tagging along behind him. Both Ed and I would love to see you there.

Official 10-10 Badge

Order your official 10-10 Badge from the Sign Man of Baton Rouge, Rick Pourciau, NV5A #49338, 10-10's official badge maker.

Cost is \$8.50 post paid. Send Rick the following: Call Sign, Name to appear on badge, 10-10 #, City and State. Colors: Green for regular members, Orange for life members and Pink for YL members. Send your order to: Rick Pourciau, NV5A, 879 Castle Kirk Drive, Baton Rouge, LA 70808-6020. Allow 2 wks for delivery.



BADGE SHOWN 1/2 SIZE

10-10 QSO PARTY COVER SHEET

10-10 DAY SPRINT - 0000Z 10 OCT - 2400Z 10 OCT 1997

TOTAL CONTACTS	NO. OF CONTACTS	MULTIPLIER	POINTS
WITH 10-10 NUMBER		X 2	
WITHOUT 10-10 NUMBER		X 1	
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	TOTAL QSO POINTS	
XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	TOTAL PREFIXES	
TOTAL SCORE	XXXXXXXXXXXXXXXXXXXX	QSO POINTS X PREFIXES	

ENTRY IS: ☐ Individual ☐ Club ☐ QRP

Chapter Assignment (if any) : _____

Call Area or ARRL Country you operated this QSO Party from: _____

LOGS MUST BE POSTMARKED ON OR BEFORE 24 OCT. 1997

CHECK LIST

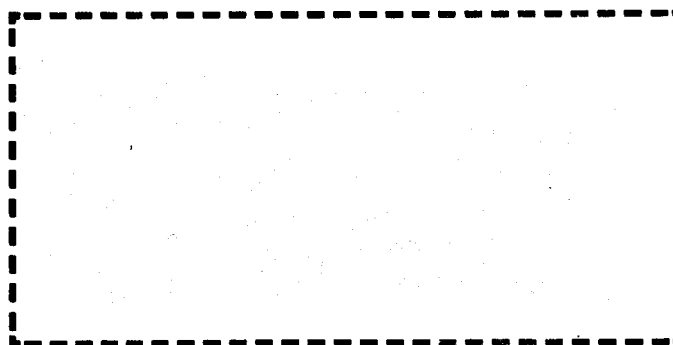
SEND LOGS TO:
Gateway Chapter
% Don Ward, W0RTV
4514 Ferrer Drive
St. Louis, MO 63129-3741

A PHOTO COPY OF THIS
PAGE IS ACCEPTABLE

1. Proof of Membership (This page or a photo copy showing your address label OR a copy of your membership card)
NO ☐ YES ☐
2. DUPE Sheet(s) enclosed: NO ☐ YES ☐
3. Log in UTC Date/Time: NO ☐ YES ☐
4. Cover Sheet for this QSO Party: NO ☐ YES ☐
(A cover sheet for any other QSO Party is unacceptable)

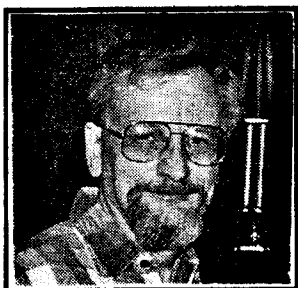
**ALL CHECK ITEMS MUST BE YES AND ALL BLANKS
IN THE SCORING BOX MUST BE FILLED IN
TO BE AN ACCEPTABLE LOG SUBMITTAL**

**PLACE A COPY OF
YOUR DUES CARD
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ADDRESS LABEL
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OF THE News HERE**



An-Ten-Ten-nas

By 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 antenna you buy or build with out imposing our own prejudices on you. The more you understand, the better your choices will be.

No. 15 Coax: The Short Story

One good way to think about antennas is as a system: the antenna system. The antenna system consists of all components that get power from the rig (or, on reception, to the rig) into the transducer (that is the antenna proper) that converts the electrical energy (the energy that shocks) into electro-magnetic radiation (the energy form that lets your signal bounce off the ionosphere to all that good DX). Some of those components are inside your rig: the filtering and impedance matching components that establish a 50-ohm impedance at the coax connector.

The remainder of the components are external: the antenna proper, the transmission line, the transmatch or antenna tuning unit (2 names for the same item, and it may also be in your rig's case), and any matching components at the antenna terminals (such as a beta or gamma match for a Yagi). All of these have to be working well to ensure maximum efficiency of energy conversion into RF radiation.

The weak link in the system is often the transmission line, and just because it is a simple, no-adjustment component. It does not start off as the weak link: it just gets that way because we ignore it. Most 10-10ers use coax to feed their antennas, so let's confine our discussion to coaxial cables as transmission lines.

Some Coax Basics

Everyone knows what coax looks like. There

A REMINDER

PLEASE SEND YOUR
SCOLARSHIP DONATION TODAY

is a center wire, which may be solid or stranded. Surrounding the center wire is some insulating material: it may be a solid, translucent plastic or a white softer foam. Around the insulation is a layer of conductors: these may be a mesh or braid of copper, or in recent cables, the conductor may consist of a foil with a mesh around it. Over these layers is a coating--usually a black jacket on ham wires, but sometimes gray or even white for special purpose cables.

For the moment, forget the outer cover. The center wire, the insulating material, and the wire mesh that determine the characteristics of the cable as a transmission line. We can be a little more precise by remembering that alternating currents at HF frequencies travel at the surface of the wires. Hence, we are concerned with the outer surface of the center wire and the inner surface of the wire mesh: these two surfaces determine what the characteristic impedance of the cable will be. Of course, most of us use 50-ohm cables. Since getting a 50-ohm impedance depends on the ratio of the diameter of the center wire and the circle made by the wire mesh, we can make many different sizes of 50-ohm coax.

Here is a table of the most common 50-ohm

Cable	Outer Dia.*	50 Mhz Loss**	Max. Voltage***	Velocity Factor****
RG1174	0.1*	5.7dB	1100	.66
RG-58	0.195*	3.1dB	1400	.66
RG-58 Foam	0.195*	3.3 dB	1400	.079
RG-8X Foam	0.242*	2.1 dB	2000	.75
RG-213	0.405*	1.3 dB	3700	.66

coaxial cables we hams use:

* Outer diameter includes insulating jacket.

** Losses at 10 meters will be about 2/3rds this figure; losses are approximate and vary somewhat from one listing to another.

*** Maximum operating voltages (rms) also vary from one list to another.

**** Velocity factors on foam cables vary from one listing to another.

What can we learn from the table? Actually, several things.

1. The fatter the cable, the lower the losses in the cable. So, use the fattest cable you can afford and handle in your situation.

2. The fatter the cable, the higher the power handling capability (as roughly indicated by the operating voltage). So if you use an amplifier, use RG-213 or better.

3. The outer diameter of the cable determines what coax connectors to use. RG-213 requires regular PL-259 plugs. RG-8X, being the same size as RG-59 (a 70-ohm cable) requires

(Continued on page 9)

An-Ten-Ten-nas

(Continued from page 8)

UG-176 adapters. RG-58 requires a UG-175 adaptor. Do NOT forget the adapters for the smaller cables: they relieve stress on the wires for longer-lasting connections.

4. The velocity factors tell us how long a cable wavelength is relative to that same wavelength in free space. The cables with solid insulation will be an electrical wavelength long at only 2/3rds the length of the wave in free space. Notice that the foam insulations have higher velocity factors than the solid insulation types. For all foam and for cables with new numbers, be sure to check the velocity factor just in case you have to make up a cable that is a specific fraction of a wavelength long.

In addition to these basic cables, there are a number of new cables. Beldon and others make a very low-loss version of RG-213 under company stock numbers. It is for VHF or for very long (100' +) runs of coax. And it costs more. There are also marine cables with jackets that resist sun, salt water, acids in the air, and almost any other contaminant. They also cost more.

What Cable to Use

Determining the best cable for an application is a combination of cable characteristics and practical realities. While no absolute rules are possible, here are some scenarios and recommendations.

1. Mobile or portable: Since power will likely be no more than 100 watts and cable runs will be under 35' in most cases, RG-58 should do the job.
2. High power contesting: Use RG-213 or better cable to handle the power and the longer cable runs to permanent antennas. One of the low loss cables may be in order if you use very high towers or antenna supports.
3. Moderate power, but over 65 years old: Consider RG-8X. It is lighter and easier to handle than RG-213, but has more power handling ability and lower loss than RG-58. (For every tens years of age over 40, also consider lowering your tower by 10' to a height you can climb.)
4. Coast-line or industrial area installations: consider some of the marine cables with their extra protection.
5. Buried cable installation: RG-213 (an improved version of the old RG-8) should work fine, but for minimum maintenance, consider one of the cables with greater resistance to chemical and abrasive wear.

Check at hamfests: sometimes a dealer will run a special on one of the marine or low-loss cables, bringing the price down to nearly the same as RG-213. I tend to avoid preassembled

cables, since the crimped connectors are not as well-connected to the cables as carefully assembled regular connectors. However, I do use them for quick tests and for portable work. After a while, I end up replacing the connectors with soldered versions.

The UG series of connectors was made to be taken on and off with ease, and to some degree, they depend on the abrasive effects of connecting and disconnecting to keep the center pin and the threads clean. If you use them at the antenna terminals, be prepared to disassemble and clean the connectors at least once a year, even if you use plenty of coax sealant to weather protect the connection.

Coax Problem

There are two types of coax problems: mechanical and electrical.

Mechanical problems and maintenance: Nothing lasts forever (except love). Inspect your coax and connectors at least once per year or whenever you have any signal strength problems. Clean the connections and reseal them, if outdoors. Wipe down the coax to remove dirt and chemical build-up. Try to install your coax as much in the shade as possible to reduce the rate of sun deterioration of the outer jacket. For buried installations, check for standing water around the cable and improve drainage if necessary. Be certain that you use plenty of support on vertical runs (for example, up the leg of a tower). Avoid long, unsupported horizontal runs: use a support rope to which the coax is taped at small intervals. Coax was not made even to support its own weight. Avoid tight corners: the fatter the coax, the larger the radius of a corner. (This also prevents deformation of the cable, which can change its electrical characteristics.)

After five years of outdoor use, replace your coax. It may have some good life in it, but the odds are that your signal strength on both transmission and reception have dropped as the aging cable ate more of the signal power. If you want to use the old cable, cut away and discard a few feet from each end, along with any segments with visible jacket damage. Then use the remaining cable for those shorter noncritical indoor runs of a few feet each. Or remove the jacket and extract the braid as a grounding strap. But keep your outdoor coax fresh.

Electrical problems and maintenance: Remember that the transmission line characteristics of the coax involved only the outer surface of the center wire and the inner surface of the wire mesh. The wire mesh also has an outer surface perfectly capable of conducting HF electrical energy. In fact, it can act just like an antenna in

(Continued on page 29)

10-10 Internet Update

L. B. Cebikl, W4RNL #41159

TENTEN-L Coordinator

Sometimes, no news is good news. When it means that everything on the tenten-l e-mail list has been running smoothly, and the Web site is up-to-date, and the archives are in order, than that is good news. To all that have used the system so well, my hearty thanks. I hope everyone who uses any part of the system is getting benefits from it.

So this issue, just a few odds and ends.

Jim Hardy, K4HAV, maintains a downloadable FCC database and a subset of that database with just 10-10 members at the Lehigh site. You can use FTP to download, or download from the Web. Complete instructions are linked from the 10-10 main page and are also in the archives.

To review what is in the archives, send a message to LISTSERV@LEHIGH.EDU with just the text INDEX TENTEN-L -ALL. The filenames have explanatory notes attached. Review your welcome message for the ways to access files in the archives via e-mail or via ftp.

Russ, N5EJS, also maintains a beacon search program, which can be downloaded via FTP or from the Web. With recent band openings, beacon listening will become more important.

At my own site, which is just one of many member links (<http://funnelweb.utcc.utk.edu/~cebik/radio.html>), I have placed all of the past Ant-Ten-Ten-nas columns on their own pages. Look at the bottom of the page, near the end of the listing called "Tales and Technicals," to find the master index to the columns. I am also doing a series for the QRP journal, Low Down, with an emphasis on wire antennas and related topics.

Many chapters have started their own pages rather than just sending me chapter information to add to the site. Check out their links in the Chapters on Line section of the site.

We have added a direct link to the Badgerman of Baton Rouge, who handles official 10-10 badges. I think you can order directly on line: but check the spelling and call twice before sending the message. Jean and I once sent to another place for address labels: they came back as WARNL & NATZP, which is, of course, the name of a Martian vaudeville team.

I receive many messages of inquiry about 10-10 matters and refer the party to the

(hopefully) correct person to answer the question with authority. In the archives and on line, there is a list of 10-10 officers, directors, and volunteer managers. You might want to check there and see if you can go directly to someone with the right answer. But, if in doubt, no problem asking the local traffic cop.

Are we done? Is the present web site the limit of 10-10 member services on-line? Not by a long shot, although new ideas are likely to arise more slowly now that we have gotten the system organized. In fact, I'll bet we have something brand new for you before the end of 1997. Remember that the sunspots never set on the Internet.

Meet Hank Pichroath, WA5HW

New Worked all Counties Award Manager

Meet Hank Richroath, WA5HWI #63313, our new Worked all Counties Award Manager, replacing Alice Jenkins, NR4R #31223, who found it necessary to retire.

He was originally licensed as a novice about 1962 and upgraded to Technician shortly thereafter. Born in Brooklyn NY, 66 plus years ago, and moved to Texas in 1955. Married 47 years to Jane and the father of four sons and one daughter, none of which are hams. Hank says: "I met some of the Ten-Ten members at the 1991 convention in Arlington, Texas, and started collecting 10-10 numbers, and after sending them in received my number - #63313". Hank got involved in paper chasing and has collected about 40 chapters, and has completed several Ten-Ten awards. He has attended 1993 and 1995 conventions and has plans to be at the 1997 convention in Council Bluffs in July.

Hank is a retired Letter Carrier after 31 years of service at the Gainesville, Texas, Post Office. He is an active volunteer in Red Cross, Boy Scouting and church activities and enjoys trailer camping with XYL Jane.

Hank can be reached at 1004 S Howeth Street, Gainesville TX 76240-5904 Telephone 940-612-1111, or may be reached via e-mail at: wa5hwi@nortextinfo.net. Send your Worked all Counties Award applications to Hank at the above address.

BECOME A 1997 10-10 SCHOLARSHIP VOLUNTEER

Send your contribution for 1997 to the
Scholarship Manager, Morrie Goldman, W6EHM #4189
(address on page 2)

Vanity Calls and Duplicate 10-10 Numbers

(Continued from page 1)

Silent Keys, expired licenses and call changes. Silent Keys are identified when someone notifies the SK Manager, K5MRU, a 10-10 Officer or Director or me, or lists compiled by the ARRL or QCWA. These are edited by the SK Manager to determine if they contain 10-10 members. If we are not notified the individual's 10-10 number remains active. While some of us feel that our calls and our hobby will be part of us for life, others don't share that view and drop out and let their license expire. Others change or upgrade their call and just never notify 10-10. A review of the 10-10 database when compared against the FCC database revealed that there were over 6700 10-10 members with calls that did not match.

What can or should 10-10 do about this is somewhat nebulous. Is it 10-10's responsibility to keep the calls or other data current? They have assumed that responsibility with mailings, i.e., NEWS and other mailings from Omaha. A service which cost 10-10 over \$200 per year, (check your mailings from Omaha, all mail state that "mail forwarding and address correction requested"), yet this effort is not 100% successful. Some members move and leave no forwarding address and for a very small percentage the Postal Service does not follow through with the requested service. On a different note, in order for 10-10 to take advantage of postage discounts and maintain a high degree accuracy with addresses, CASS certification as required by the Postal Services is done on all addresses. This service also costs several hundreds of dollars each year.

I have begun a review of those members whose membership expiration dates are 1996 and greater. In that group there are 470 members whose calls no longer match in the FCC database. Manual review has thus far shown that over 95 percent are upgrades, and/or the results of the vanity call program. The remaining 5 % are no longer listed. I should point out that I don't access the actual FCC database but use one that is commercially available. The particular one that I use, allows for name/address lookups and will search on partial calls. Also if the immediate previously issued call is entered, the new call will be displayed. When a call is not found, then a second search by name and/or address is started. The use of these call databases and the knowledge of the forthcoming vanity call program prompted 10-10, in the beginning of 1996, to begin using the name as

recorded in the call database for all 10-10 record keeping. Addresses are a separate problem. Many members have mailing addresses different than what is shown on the database. Many more have moved, sometimes several times, and have never submitted a Form 610 to the FCC. The address from the call databases is never used except on rare occasions.

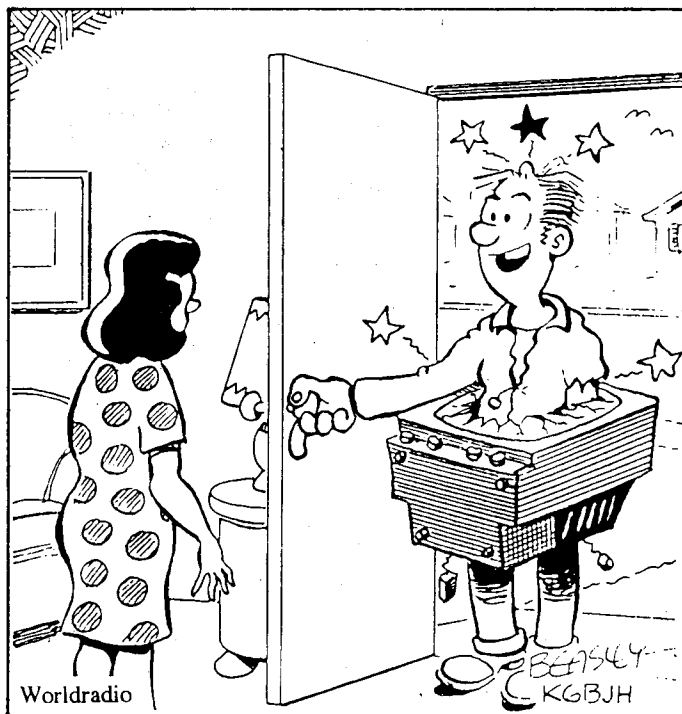
10-10 is on top of the duplicate number problem, to the extent possible. It would make the job of data processing much easier if everyone would notify not only the FCC but also 10-10 when a change occurs in your name, address, or call. In most cases, due to our quarterly mailing of the NEWS, and address corrections received from the post office, the 10-10 database is, in most cases, more current than any other of the many amateur radio data bases. Your cooperation in helping us keep your records current is appreciated.

Call for Nominations

(Continued from page 1)

Secretary, KA5OVO Dave Prichard, 16314 Thunderbay Drive, Houston, TX 77062-5111.

Friends love you in spite of your faults and enemies hate you in spite of your virtues.



I FINALLY GOT OUR NEIGHBOR TO GET RID OF THAT OLD STYLE TV THAT I'VE BEEN BOTHERING ON 10 METERS!

TenX DX News

By Mike Davison
N5MT #24949



A unfortunate DXpedition to **BS7H Scarborough Reef** by Jim Duffy **W6EU** (ex **WA6AUE #4722**), along with a group of Japanese, American and Chinese, began on April 30. Using two Chinese Research ships for transport, the **BS7H** operation was suppose to last until May 6, but they left unexpectedly after three days of operating. The ten-mile long reef located in the South China Sea just west of the Philippines and is claimed by China but the reef is in an Exclusive Economic Zone owned by the Philippines. The Chinese can pass through this part of the South China Sea but China can not receive any economic benefits from the area due to treaty. At the time the DXpedition was starting, three Chinese warships were operating 200 miles south of the reef near the Spratley Islands. The Spratley area is a heavily disputed area and the Philippine government was concerned about this activity. Philippine Air Force jets flew low over Scarborough and two military ships arrived to investigate the activity. This caused the Chinese to terminate the ham radio operation and to leave the area.

This was the third time Scarborough has been activated and many hams need it for **DXCC**. The operators left the reef just before the weekend and many people were upset since they had been promised seven days of activity! Several news services carried stories of the incident since Philippine President Ramos made comments that they had a claim to the area and that they had placed their flag on the reef. Well, enough said for now, but this is developing into another disputed **DXCC** country. To read more on this subject, the **BS7H 97 Home Page** at <http://www.iglou.com/n4gn/sr/>.

DL7FT Frank Does Not Have A 1010 Number. Back in September 1991, Frank applied for his 1010 number and got #54238 issued by Lee Pasewalk. Frank did not like the number and returned it, 10-10 then reissued it to **GM4BKR Bob #54238**. I talked with Frank over the air several years ago and he told me he wanted #77777 or #67777. I have started an inquiry with my 10-10 source in Germany to find out what

actually happened and why Frank is giving out 54238 as his number. Maybe he did not understand but more likely he is upset with 10-10 and has decided to cause problems by using #54238. As of this writing, QSL's for the following have **NOT BEEN** allowed: **D68FT** 4-10-91, **HU1FT** 4-3-92 & 3-7-92, **5R8DJ** 3-15-93. So, nothing official has been decreed about Frank but I know one official has agreed with possibly of banning him from being a future member because of his present actions. There is nothing we can do about him giving out a bogus number except to tell you he is **NOT VALID FOR 10-10 DXCC**.

NEW HF BEACON. Martin, **G3USF**, IARU Region 1 HF Beacon Coordinator, reports another of the five-band HF beacon network stations is now operational. The **VK6RBP** beacon, sited near Perth, is like all the other IBP beacons where the power steps down from 100 watts to 0.1 watt in four stages, transmitting 10 seconds on the IBP frequencies on the 14, 18, 21, 24 and 28.2 MHz. Also, the **JA2IGY** beacon, which operated on the 14100 kHz frequency only, is now understood to be operational on all five bands. According to Martin, this leaves **BY**, **UA**, **OA** and **ZL** beacons not as yet operational. There are 14 beacons now on the air, and all these beacons are sponsored by **NCDXF**.

N5EJS Russ, the **10-10 Countries Manager**, continues to enter applications into the 10-10 **DXCC** Database. He now has 528 members entered, which represents 22000 contacts or 41 countries per application. We now have 30 members with over 100 countries! Russ hopes to finish before the 10*10 Convention this summer. Russ has identified another new 10-10 country:

(Continued on page 13)



Joan Lexa, **WA5LFT #67030**, Bill Lexa, **WA5LFT #67010**,
Mac McDaniels, **K5PUD #67067** and
Dan Harriman, **KC5GXL #67011**

TenX DX News

(Continued from page 12)

Bangladesh by **S2/WZ6C** Erik #38879. This brings the official **10-10 DXCC Country** count to **284!**

Upcoming DXpedition and New 10-10 Country Activity:

A DXpedition to **St. Croix, KP2 US Virgin Isl.** by **Bob N2OO** #12732, **Beth KF2BQ**, and **John N2LD** #18241 will occur on July 24-31 during the IOTA contest using the call **KP2/N2OO** from **NA-106**. They will be on 160-10 cw/ssb. For **Beth & Bob**, this will be their first DXpedition since a Honeymoon DXpedition in 1991 to **V85, 9M6 & VS6**. For **John, N2LD** and his non-ham wife **Linda**, this trip will be their first DXpedition. Remember, only **Bob** and **John** have a 10-10 number and QSL via their home calls.

MONACO, 3A. **IYRL** **Luc** #58966 and **IK1OWC** **Luca** #42002 will be QRV as homecalls/3A using only CW on June 14 and 15. QSL to home calls.

Willis Isl. by **WA1S** **Ann** #48144, **John NJ1V** and ten other ops will begin on Sept. 11, 1997 for 12 days. They will leave Australia on Sept 9 on a 60-foot boat for the 30-hour trip to Willis. Also during this trip they may activate a new IOTA in the Coral Sea Isl. Territory.

Pago Pago, American Samoa by **AH8A** **William** #24324 has a QSL Manager **AC7DX** **Ron** **Lago** **POB** 25426, **Eugene** **Oregon**, 97402. **AC7DX** has computer logs back to 1994.

Bahamas, C6. **Joe, WB8GEX** #41393, was active as **C6AJR** from May 30 to June 2. QSL to his home call.

Philippines, DU. **Gary K9AW/DU6** is active from **Negros Island**. This is another vanity call-sign reissue and is not **Chas K9AW** #3620 who is not listed as SK in the XXIP database.

HP, PANAMA (HR, HONDURAS, possible). **Bill, WT4K** #40800, will be active as **HP3/WT4K**, June 23-27th. He will be active on SSB and RTTY. QSL to home call with SASE. If travel arrangements can be made, he will also go to Honduras as **HR6/WT4K** June 30th through July 4th.

V7, Marshall Islands. The "DX News Sheet" reports **Tim N2PC** #21568, will be active from here for 4/5 years. No QSNs have been reported yet, but look for **V73AT** to be active on all bands. QSL via K2CL.

St. Lucia. **J69EB** **John**, ex **KB3AMD** #63076, was active in March. John will be there for a while as he said to QSL via his home call for now until he gets a manager. His address: John Joseph,

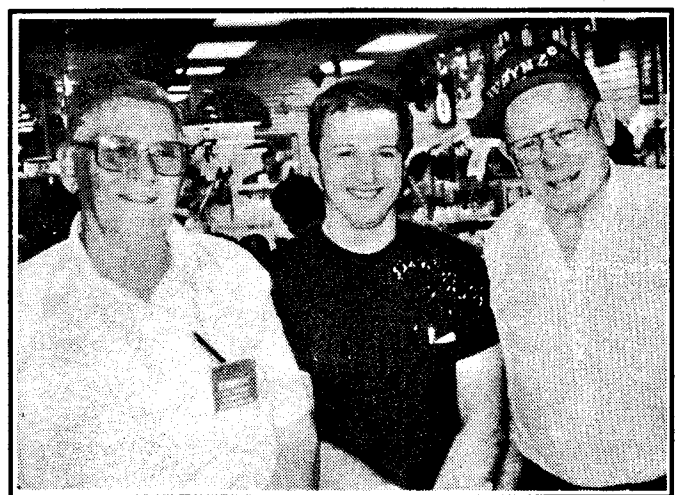
7301 Sheffield Dr. Camp Springs, MD 29748.

ZY0SK **St. Peter & St. Paul Rocks** - **Karl** **Leite, PS7KM** #39920, will present a program August 22 at the New Orleans International DX Convention at the Royal Sonesta Hotel on Bourbon Street in the historic and colorful French Quarter. This convention is one of the best for DX, hospitality and ham radio. If you worked **Karl** on SSB, QSL to **Karl M Leite, Rua Estacio de Sa** 1838, 59054-580 Natal, RN, Brazil. **ZY0SG** on CW only to **PT7AA** **Tino**.

Propagation: Solar flux will range from **71-85** during the Summer of 1997. As I write this, the **Solar flux** is **71**, the **A index** **4** and **K index** **1**, with the Solar flux staying in a very narrow range, the same conditions as my last article. The transition into **Cycle 23** is taking much longer than past history. Expect large swings of flux as new spots appear on the sun for the first time. For stations in the Eastern US, expect a 8% chance of DX propagation to the East-West path into Europe or Africa. For stations in the Western US, expect no chance of DX into Europe. All of the US will get a 20% chance into S. America. Expect increased Sporadic E Layer conditions during the summer to be short skip that will travel 300 to 1500 miles. F Layer skip will return as Cycle 23 gets more active. Remember to listen for the beacons (28.175-28.300) to check conditions.

Its been a year since I picked May 28, 1996 as the start of Cycle 23. The slow increase in solar flux levels and the data by **NOAA**, indicates we have started the next cycle. Why haven't we seen much activity yet from the new cycle? The NOAA projection based upon past cycles indi-

(Continued on page 28)



Jim Fortune, KB0EOV #52920 of **S. Haven, MN**, **Mike Clintzman, AA0LO** #65255 of **St. Paul, MN** and **Erine Drahein, W0YNZ** #37960 of **Minneapolis, MN**

Chapter Coordinators Column

Dave Smith
WB6RDK #65812

Newly Affiliated: Pine State Chapter, Bangor, ME

Reports Due This Quarter: Aili, Boomtown, City of Roses, Colorado

Centennial, Lancastrian, Pendlewitch, Laurel Mancunium, Milwaukee, Okie Relays, Omaha 10M Zero Net, Pirates of the Mississippi, Red River Valley (Steamboat), S.C. Golden Corner, Santa Fe Trail, Springbok, Twenty Eight Chapter

Reports Past Due: Camellia Capital, Cradle of Liberty, Michiana, Mississippi Lighthouse, River City, Tango

In Extremis: Keystone and Keystone Stars, Old Dominion, War Eagle, 10 Bar X

In Extreme Extremis: Blue & Grey, Blue Bonnet, Crater Lake, Kansas Trails, Lindbergh, Hudson Valley Hamsters, Keystone

No Longer Affiliated: Cliff Dweller/Columbine YL, North Star -- No reports in over 24 months.

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.

Now that I am kinda getting into the swing of being Chapter Coordinator I am going to make a couple of additions to this column. The main addition is the 'Reports due' which will serve as reminder to the CHs that you have a Quarterly

Report due this quarter. I am hoping that this will shorten my list of delinquent reports. The sequence of things will be; 'Reports Due', 'Reports Past Due', 'In Extremis', 'In Extreme Extremis' and finally 'No Longer Affiliated'. The ideal scenario would be a 'NONE' in the last 4 categories, so please send me those reports.

CALL SIGN CHANGES - With all of the recent Call Sign changes it would be quite helpful if you do change your Call Sign to inform the various CMs of the chapters you belong. This can be done by sending a post card (or your NEW QSL card) to the CMs of your various chapters or by making sure that your old Call Sign is included with your next upgrade. By informing the CM of this change it will eliminate upgrade delays. As an example: if W6KVA works W6BK (new call) and the CM has not been informed of the call change how can proper credit be given for that contact/upgrade? When informing the CMs of your Call Sign change please also include your old call and Ten Ten number.

BATTLEROAD - Effective 01 Apr 97 the PO Box will be closing. Please send all future upgrades to the CM, Richard Parent, KC1FV, 82 Academy Hill Road, Brighton, MA 02135. Also please send email upgrades to: kc1fv@juno.com

CHATTANOOGA CHOO-CHOO - Effective 01 May 1997, Chattanooga Choo-Choo, Choo-Choo Belles and CompuTrain, after fourteen years of operation will be, "sidetracked" for an unknown period of time due to a QTH change. We wish them a speedy return, as this is one of the more popular chapters.

FORT McHENRY - July 1-31, 1997 - Collect Fort McHenry CONSTELLATION (WAS) numbers 1 FTMCH points each. Collect Cornerstone STARFORT (WAS) numbers for 5 Cornerstone points each. Upgrades must be postmarked no later than August 31, 1997

CRATER LAKE CHAPTER - Due to band conditions Crater Lake Chapter has suspended net operations through the summer and resume when signals become good again.

GB TEN - Members will please note that there will be a slight alteration in the entry details for our next special due out later on this year. Instead of being run from January 1st until March 31st as in previous years, this one will run from December 1st 1997 until February 28th 1998.

There will also be a slight difference in qualification. In place of members needing to upgrade to receive a special they will, on this occasion, be able to receive one by simply asking for one. Specials are due for release on the 1st of

(Continued on page 15)

TEN-TEN STAMPS

ORDER FOR ALL OF YOUR CORRESPONDENCE

144 SELF STICK FOIL STAMPS \$5.00 POSTPAID

ORDER FROM: 10-10 International Net, Inc.

643 N. 98th Street #142, Omaha, NE 68114-2342

(Continued from page 14)

September 1997. The theme of which has yet to be decided upon out of the small stock your CM has built up over the past 3 years."

Wildlife of Britain carried a bonus section where the 10 most used Specials received within the time frame as outlined on the worksheet, carried an extra 10% bonus added to the individual point value provided that the station entitled to received that bonus submitted an entry within the time limit. We are pleased to announce the following 9 stations who qualified to receive the 10% bonus; KH6OE with 6, N0KDB 5, W1SIX 4, WA1EBJ 4, N1UHX 3, W9OO 3, K9EHP 2, K0JPW 2, W9WYN 2.

PEACH STATE - Special for 1997 - Beginning 01 May 1997 through 31 Dec 1997: Collect War Clubs +50 points (one time only) - upgrade, Lances for +25 points (one time only) - upgrade. Log format: Call, Name, 10-10#, PS#, Special & number.

THE PESHTIGO FIRE - The Peshtigo Fire will be running a special for a full year, from Oct 31, 1997 to Oct 31, 1998. Worksheet is available from the CM KA9BLI. Also there is now an upgrade page via my homepage <http://www.itol.com/~ka9bli>. Thanks Jake-KA9BLI C.M. of Peshtigo Fire Chapter

STEEL CITY - Steel City now has an "Inspector of the month" which is worth 25 points on your next upgrade. Also Steel City will be having its 5th annual picnic at Forest Glen. Contact Betty KE9VK for further info.

LIST OF CHAPTERS THAT ACCEPT EMAIL UPGRADING. (current to 15 May 97)

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

Air Capital - CM K5ERJ, Email: k5erj@aol.com

Battle Road - CM KC1FV, Email: kc1fv@juno.com Need basic number and current point value Old, New, and Total points and con-

tacts. Contact Rich via e-mail for info on the retrieval of the upgrade form designed for use with upgrading via e-mail, packet, or TCP-IP.

Bay Area - CM WB6RDK, Email: dsmith@srm.com

Branding Iron - CM KA5VVD, Email: ka5vvd@vvm.com

Branding Iron II - CM N5XJD, Email: n5xjd@n-link.com

Broken Hearts - CM K4CIH, Email: K4cih@aol.com

Colorado Frontier Gang - CM WB0CON, Email: WB0CON@juno.com

Dollchasers - CM KA5OVO, Email: ka5ovo@aol.com

Eagle Watch (including Wildflower and American Wildlife) - CM KC4SDU, Email: kc4sdu@aol.com

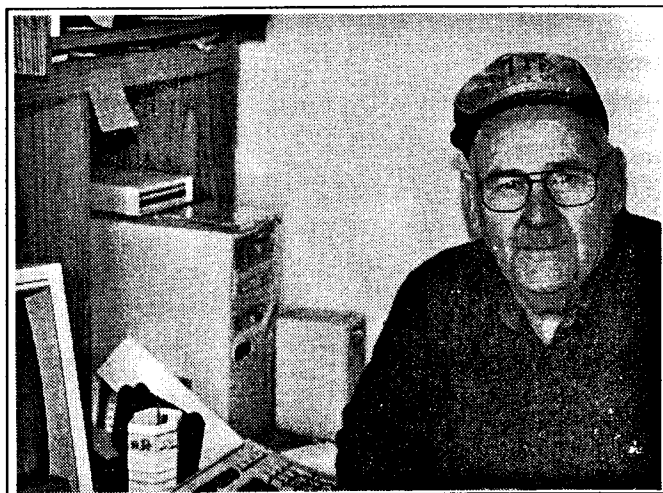
Electric City - CM WA2OIZ, Email: WA2OIZ@nexusprime.org

GB Ten - CM G4KHF, Email: mcrawshaw.parkhigh@burnley.ac.uk

Great Lakes - CM WA8OXS, Email: wa8oxs@aol.com

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

Houston S.H.O.T. - CM N5AFV - Email: af-
(Continued on page 19)



William Sullivan, AA7YJ #59914 of Spokane, WA.
Lilac City Chapter number 955

Honor Roll

SCHOLARSHIP FUND VOLUNTEERS

During the last quarter the following 10-10 members have become Scholarship Fund Volunteers for the year 1998

During the last quarter the following 10-10 members have become Scholarship Fund Volunteers for the year 1997:

08838	KB6UW	Thurman Laubhan
09891	W0OV	Carl L. Cain

The following 10-10 members became Scholarship Fund Volunteers by making a contribution with their dues renewal. We encourage all of our members to follow their fine example.

09902	K0PV	Donald P. Zielinski
37526	KA2NRR	Martin Smith
45916	AI3K	Jim Cardinal
47930	WB6NMH	John Coad
56750	N7PAU	Russell W. Sunbury
56997	KC7BIO	Nicolas G. Alvarez
58607	KB9EMC	Michael J. Farster
59832	KG8NR	John Hess
60182	KD1JF	Dave Melochick
60457	KC7BIP	Delia A. Alvarez
60620	WA2VZQ	Kenneth Stier
61376	N5PDX	Elvin D. Lawson, Jr.
62856	N8GGV	William Jones, Sr.
63915	KA1YHI	Tom Jones
64642	HP2CTM	Ricardo A. Hutchinson
65381	KB9HBT	Gary Joy
65477	N1TLG	Sam Jones
65727	KB7SVA	David Dowden
66261	KJ5OK	Don McNallen
66394	N0VEK	Curt C. Narveson
66826	KI7XQ	John M. Hart

Their donations are sincerely appreciated and help 10-10 to continue its support for three \$1,000 scholarships each year.

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 1997** in appreciation of your contribution.

CHANGED YOUR CALL? CHANGED YOUR ADDRESS?

NOTIFY 10-10 IMMEDIATELY
ADDRESS ON PAGE 31

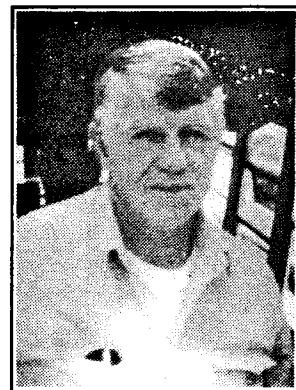
SPOTLIGHT

ON A

PAPER CHASING PERSONALITY

By Brad Kimble, WA4KUP #55192

One of the newer voices on ten meters comes out of the state of Georgia and belongs to KE4CRU, Wallace A. Butler. Wallace, also known as the "Mouth of the South", has been licensed since June of 1993 and has been a member of Ten-Ten International (#65133) and a paperchaser for nearly as long.



Wallace, 63, and wife Dola, have been married since 1964. They have called Dahlonaga, Georgia their home for the past 20 plus years. They have not always lived in Georgia though. Twenty-one years were spent traveling throughout the world in the United States Marine Corps. Retiring in 1973, he began a business of building boat docks and is an engineer by trade. Together, Wallace and Dola boast 4 children and 7 grandchildren.

Currently he holds the Technician Plus license and is the member of 53 various chapters and holds awards for and including the Worked All States (Ten-Ten, Air Capitol, Battle Road, Springbok and ARRL); 2500 Bar and VP #2736 for Ten-Ten. One award that I believe he had no trouble in achieving, is ARRL's Rag Chewers Club. Wallace is very active with the Springbok Chapter International. He has not only received many of the awards the chapter has to offer, but is helping one of the certificate managers with some of the chapter duties.

Besides ham radio, Wallace manages to find time to put in with some of his other hobbies. He enjoys hunting, fishing and swimming. Working with kids has been one of his all-time enjoyments, coaching little league baseball for about 20 years, and umpiring for 10. He is also an expert rifle and pistol shot. Currently he is a member of the Etowah Baptist Church and is a Master Mason, 9th Degree.

I have no doubt that as the ten meter band progressively opens more and more, you will not only hear Wallace on, but will get the chance to "chew the rag" with him. After all, isn't that what amateur radio and Ten-Ten is all about?

10-10- SILENT KEYS

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.

04562	W3FDW	Russ S. Schaeffer, Birdsboro, PA
04982	W4MZZ	Harry M. May, Knoxville, TN
06315	HI8LC	Luis P. Caamano, Santo Domingo, Dom. Rep.
07503	K0GGI	Another M. Skramstad, Cooperstown, ND
08124	K5KWH	Charles W. Palmer, El Paso, TX
08481	W1HDQ	Ed Tilton, Spring Hill, FL
08592	WA3TRG	Max K. Showers, Lewistown, PA
09110	W4SZ	Svend T. Gormsen, Tampa, FL
09560	W7KXH	James M. Gates, Sierra Vista, AZ
11810	K5UKN	James E. Rutledge, San Antonio, TX
13365	WB7ETF	Oscar A. Felden,, Wausau, WI
13383	W7HOY	Fred Tesch, Jr., Eugene, OR
14640	WA4NML	Richard S. Hobbs, Seneca, SC
17238	K5OUK	Larry M. Gray, Roanoke, VA
18650	K6DMN	Walter I. Gaebel, Monrovia, CA
18860	NM5Y	Perry Mannon, Truth or Consequences, NM
19600	WB0BZP	Carl H. Hohenberger, St. Louis, MO
20339	W5OI	George H. Henderson, San Antonio, TX
20395	W5CKT	W. Clegg Hahn, Bartlesville, OK
21159	NM6R	Richard Page Clute, Lake Isabella, CA
21735	K4ZK	William R. Jochimsen, Jensen Beach, FL
22283	WD9FAN	James Kavanaugh, Fort Wayne, IN
23145	W8WY	Clifford Keihl, Dayton, OH
25076	W6YRY	Delos D. Lowell, Gold Beach, OR
26127	W4MTF	Richard R. Gagnon, Fernandino Beach, FL
27444	K8RSH	Charles Early, North Ridgeville, OH
29498	W5GRE	Harold P. Schrieffer, New Orleans, LA
31227	KD4XX	Charles F. Wooten, Jasper, TN
31906	K8DGV	Okey P. Alexander, Cuyahoga Falls, OH

32535	KA1BP	William H. Ramsey, Jr., Putnam, CT
34045	KA8MBD	Robert D. Fultz, Temperance, MI
34336	N7DRS	Dwain M. Buttner, Tacoma, WA
36203	W4WAB	George A. Siragusa, Winter Park, FL
36604	KJ6RQ	Ernest G. Seeman, Berry Creek, CA
37362	K4KAM	William O. Hamm, Thorsby, AL
38275	W9DJJ	Howard F. Johnson, Kokomo, IN
40261	VE7LVH	Larry Vernon Hardman, Penticton, BC
40530	KA2FFI	Richard S. Hill, Colchester, CT
41744	N1FKC	Francis Power, West Roxbury, MA
42780	N8IQD	Ted J. Brooks, Kalamazoo, MI
42888	K6QAX	William J. Hower, San Mateo, CA
45428	K8AJC	Lester K. Hosford, Eagle, MI
46003	W0ECE	Frederick L. Schneider, Cape Girardeau, MO
46386	KB6SZW	Jay H. Moe, Zamora, CA
52260	KC4IAX	Theodore A. Sanders, Knoxville, TN
52713	VE3IN	Denton (Don) Riley, Hamilton, ONT
53328	K1FTY	Frank C. Hubbard, West Hartford, CT
53329	WA1ZNH	Arthur H. Bogus, Deerfield Beach, FL
54384	KC4LSN	Labron P. Jones, Jr., Ninety Six, SC
54549	K2DTT	Gerald Sobin, Brooklyn, NY
54614	N7NNL	Pauline B. Thompson, Tempe, AZ
55251	N0FIT	Harold C. Stavermann, Aurora, CO
57875	K1LVA	John E. Fothergill, Chelsea, MA
58069	N7FET	Fritz H. VanMeter, Mesa, AZ
60482	KB4VNJ	Thomas D. Jones, Anderson, SC
61266	W7MB	George Wise, Portland, OR
62901	WD9AQQ	Donald G. Humphrey, Mishawaka, IN
67924	WB0YVG	Cameron H. Copple, Council Bluffs, IA
68334	AB7LR	Anthony R. Morice, Cave Creek, AZ

The silent key report in the Spring edition of the NEWS included the name Guy Clark, WBONNK #10516. Guy is alive and well. His notice of change of call to ABODP was misread as an SK report. We regret this error.

Please send all Silent Key listings and/or corrections to:
Grace Dunlap, K5MRU #218, Silent Key Manager
PO Box 445, LaFearia, TX 78559-0445

New QSO Party Information Brochure

A new *QSO Party Information Brochure* has just been completed and is available to all 10-10 members. This new 6-page Information Brochure gives all the information needed to compete in one of the five 10-10 QSO Parties each year. Rules for regular Phone and CW Parties and the special rules for the 10-10 Day Party are included. Also included are a Manual Dupe sheet and a generic Cover Sheet, one that may be filled in with the Contest and Date. The generic Cover

Sheet requires you attach a copy of your address label from the latest copy of the **News** or a copy of your membership dues card. A sample log is also included to aid those who need help in setting up a contest log.

A copy of the new *QSO Party Information Brochure* is being included in each new membership package. For those interested in receiving this new 10-10 brochure, send a #10 SASE (Self Addressed Stamped Envelope) with 2 units of first class postage to: Don Ward, W0RTV #13962, Contest Manager, 4514 Ferrer Drive, St. Louis, MO 63129.

1997 WINTER PHONE QSO PARTY LATE LOGS

AREA 4 INDIVIDUAL

CALL	QSOs	MULTS	POINTS
W4MYA	139	54	12,906
AD4TS	51	32	2,816
WA4HMX	52	30	2,760
KJ4SJ	45	28	2,380
KD4UYQ	38	24	1,560
K4PXO	46	20	1,540
KD4MHH	34	20	1,140
WA4TOJ	29	17	884
KE4PRL	28	18	882
KB4MHY	18	11	363
AE4TC	16	11	319
W2MG	12	9	216
KT4NS	11	9	198
AD4MG	13	6	150
KF4MHT	10	7	133

AREA 4 CLUB

CALL	QSOs	MULTS	POINTS
KF4CVP	13	6	150

AREA 5 INDIVIDUAL

CALL	QSOs	MULTS	POINTS
WA5KYO	16	8	248

AREA 6 INDIVIDUAL

CALL	QSOs	MULTS	POINTS
WB6AOJ	30	15	825

CHAPTERS

CHAPTER	LOGS	POINTS
OLD DOMINION	16	28,397

For information as to why this "Late Log" list is being published, see the Presidents Column beginning on page 3 of this issue of the *News*.

Some things can be inherited, but good reputations, trust, respect and wages must all be earned.

VISIT THE 10-10 WEB SITE

<http://www.lehigh.edu/lists/tenten-1>

(Note - The last letter in the address is a lower case "L" and not a number "1")

10-10 NewsLine

Items of Interest for 10-10 Members

INDONESIAN PIRATES ON 10: On the International scene, what appear to be unlicensed stations operating from Indonesia continue to be a big problem for users of the ten-meter band in Australia and New Zealand. Over the last few years the pirates have moved onto the 28 and 29 MHz bands in large numbers. Often they are the only signals that can be heard on 10 meters in Australia and New Zealand.

The unlicensed operators are believed to be the equivalent of Indonesian CB'ers who are trying to escape the chaos of 11 meters. They can be found every 10 kHz or so right up into the 29 MHz satellite band. Most operate using high power FM or AM with directional antennas.

Australian hams say that the Indonesian pirates have no regard for amateur operators, in fact they now play a new game of jamming ham radio transmissions as a new kind of sport. Complaints to the Indonesian government are being ignored.

-Via The VK Intruder Watch

SHIPDISTRESS CALLS: THE TRUTH ABOUT SOS AND CQD - The *SS Titanic* wasn't the first ship to send an SOS, as is widely believed; this distinction belongs to the American steamer *Azaohe*, which used the signal when disabled with a broken propeller shaft in August 1909. The internationally agreed-upon wireless distress call had recently come into force and did not stand for "Save Our Souls"; the letters SOS were chosen simply because the Morse code for them (three dots, three dashes, three dots) was easy to remember and transmit.

Before the SOS was used as a distress call the CQD was in wide use. The first ship to send out a CQD was the *White Star Liner Republic*, which sank in a collision with liner *Florida* off Nantucket on January 23, 1909. The *Republic's* English radio operator, Jack, became an international hero for sending out, with emergency power, this first ship-radio distress call. "CQ" stands for "Calling all station in the vicinity" and "D" is for distress.

VOLUNTEER PROTECTION LEGISLATION PASSED BY CONGRESS: After more than ten years of trying, the 105th Congress has finally agreed on the wording of a law to free individual volunteers from most liability actions (such as a simple accident, oversight or omission) related to their unpaid service to any not-for-profit or governmental organization. The bill was signed into

(Continued on page 21)

Chapter Coordinators Column

(Continued from page 15)
mattis@i-link.net

Kansas Trails - CM KB6UPG, Email:
KB6UPG@aol.com

Mississippi Lighthouse - CM N5LBZ, Email:
n5lbz@aol.com - Flame Bearer, Blue Seal, Beacon Shaft, and Gold Seal upgrades via e-mail, all other via US Mail.

Muletown - CM N5JQJ, Email:
sprins@edge.net - submit previous, new, and total points collected and contacts. Seal upgrades continue to be handled by the CM via US Mail.

Okie Relays - CM K5IS, Email: K5IS@arn.net

Old Ironsides - CM W1MXI, Email:
w1mxi@juno.com

Peshtigo Fire - CM KA9BLI, Email:
ka9bli@itol.com - points and seals upgrade submit total, new, and previous also need total contacts for chapter

Portland 500 - CM N7YBX, Email:
n7ybx@pcez.com

Portland Bridge - CM K7PRZ, Email:
k7prz@prodigy.com

Restoration Project/Feline Friends - CM
VE7AAP/VE7ACM - Email: cat-
sncar@cedar.alberni.net

Sky Blue Waters/Tin Lizzie - CM-WB0RCC -
Email: CEwards@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, Email: N5DAS@juno.com old, new and total points, total contacts, and date of issue of original certificate.

Twin Cities - CM WA4KUP/KC6MJO - Email:
kimble@freenet.msp.mn.us

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, WB6RDK Dave via

email, dsmith@smm.com.

I must have my report in to the editor of the 'News' no later than the first of the month of March, June, September, and December. So in order to make the deadline and if you want your chapter information in the current issue, it needs to be in my hands prior to the first of those months. Often chapter or special information is received too late to make the issue on a timely basis. The column for the January issue for instance must be submitted to the editor around the 1st of December. So if your special is to run 1st through 31st December, it should be in my hands prior to 1 September 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.

Presidents Message

(Continued from page 4)

And second, our Net Control Manger, Nat Green, 8P6SA #45858, has had to resign his volunteer position due to health problems. Nat has keep Net Control Stations organized and always had a replacement ready when one of the 12 Net Control Stations found it necessary to resign their position. I for one certainly appreciate the effort that both Jack and Nat have put forward in supporting 10-10.

The use of Visa and MasterCard

Many of our members use either Visa or MasterCard for dues payment. 10-10 accepts both credit cards with the following requirements. You must provide your complete card number, (16 numbers) and the expiration date. You must also provide a signature approving the charge. Your account will be billed through *RSVP Omaha NE*. This is the facility that we use to process our charge billings.

When you receive your credit card statement you will note the name *RSVP* as the person processing the charge. You will also receive a pink note along with your dues renewal card noting that your charge was processed by *RSVP*. Please do not contest this billing as it causes 10-10 and our billing company a great deal of time and trouble.

-Thanks from the Data Manager and RSVP

10-10 Reflections

By
Morrie Goldman
W6EHM #4189

10-10 Historian



Here are some highlights of the Spring and Summer 1977 Quarterly Bulletins as reported by then-Editor Chuck Albrecht, WA0YNQ (now N0CKW) #8105.

10-10 activities at the 26th Annual Dayton Hamvention in May 1977 were sponsored by the Cincinnati Area Ten Tuners (CATT). The CATT 10-10 Forum was moderated by Del, WB8EDG #2978 and Gale, WA8RLY gave a talk on OS-CAR's impact on the upper part of 10 meters.

There was a fine turnout for the 10-10 Booth and Forum at the May 1977 12th Annual L.A. Amateur Radio Convention in Burbank. 10-10 members who attended ranged from Jim, K6PJO #9, to Jeff, WA6TKN #15008. Many local chapters are following the fine example set by Rich (SK), WB0FQD #10488, C/H of the Colorado Chapter; Steve, WB0LFY, C/H of the MO-Kan Chapter; Del, WB8EDG #2978, C/H of CATT; and Sally, WB4NDX #2984, C/H of the North Georgia Chapter--all have sponsored a 10-10 Booth and Forum in 1977.

The headline in the Summer 10-10 Bulletin reads, "WB0QHV wins the Winter 1977 QSO Party with 710 QSO's/1029 Points."

Bob, WA5JDU #3017, was second with 560/1029, and Grace, K5MRU #218, was third with 492/931. Grace, K5MRU, Contest Manager, reports that this was 10-10's biggest QSO party yet with 626 logs received. Some members complain about the scoring without multipliers for DX. Of the logs received, 12 say they would prefer multipliers. However, for the Summer QSO Party, the scoring will be the same: 1 point per contact, an extra point for a 10-10 member.

It was announced that the annual dues in 1978 will be increased from \$2.00 to \$3.00 to cover the increased costs of postage, printing and distribution.

Mary (SK), WA6MOF #11900, Treasurer, reports that year-to-date revenue for the second quarter of 1977 was \$7938, expenses \$5243, with revenues over expenses at \$2695. [For the same period in 1996, Treasurer Keith, K17RK #63324, reported \$26,615; \$15,632; and \$10,983, respectively.

And that's the way it was in the good old 10-10 summertime, twenty years ago.

1997 QSO Party Schedule

CW PARTY

FALL - October 25-26, 1997
Log Postmark Deadline Nov 10, 1997

Send logs to:

Old Dominion Chapter
% Luke Bannister, AD4MG
2541 Caliber Drive
Richmond, VA 23231-7031

PHONE PARTY

SUMMER - August 2-3, 1997
Log Postmark Deadline Aug 18, 1997

Send logs to:

City of Lights Chapter
% Joe Dubeck, NA9A
PO BOX 1383
St. Charles, IL 60174

10-10 PAY SPRINT

October 10, 1997 (24 hour- all modes)
Log Postmark Deadline Oct 24, 1997

Send logs to:

Gateway Chapter
% Don Ward, W0RTV
4514 Ferrer Drive
St. Louis, MO 63129-3741



Bill, WD5EDR #23693 and John, AA5WC #42171

treasurer's report

Keith Schlottman
K17RK, #63324
10-10 Treasurer



STATEMENT OF REVENUES & EXPENSES - CASH BASIS
FOURTH QUARTER - 1996-1997
1 JANUARY 1997 - 31 MARCH 1997

	4TH QTR	YEAR TO DATE
REVENUE		
MEMBERSHIP DUES & FEES	\$15,647\$	59,852
SCHOLARSHIP DONATIONS	431	1,963
ROYALTIES & INTEREST	<u>1,436</u>	<u>13,742</u>
TOTAL REVENUE	17,514	75,557
EXPENSES		
POSTAGE & PRINTING - NEWS	5,346	25,551
OPERATING EXPENSES	5,308	21,714
SCHOLARSHIPS	0	3,000
ADMINISTRATIVE EXPENSES	<u>919</u>	<u>12,126</u>
TOTAL EXPENSES	<u>11,573</u>	<u>62,391</u>
REVENUES		
OVER (UNDER) EXPENSES	<u>\$5,941</u>	<u>\$13,166</u>

QRM From The Treasurer

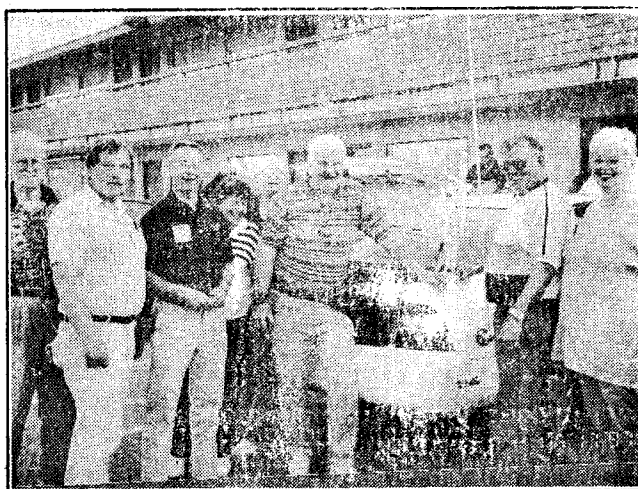
Another fiscal year has ended for Ten-Ten, and I am pleased to report that the organization is on solid financial ground despite the lack of sunspot cooperation. During the past year, the President and Board of Directors have worked hard to make changes that will protect Ten-Ten's financial health far into the future. While many other ham organizations are cutting back on their magazines and other member benefits, we are actively seeking ways to improve ours.

10-10 NewsLine

(Continued from page 18)

law by President Clinton on June 18, 1997.

Ham radio volunteers stand to benefit from this new legislation which aims to provide Federal protection from "frivolous, arbitrary, or capricious" lawsuits filed against individuals acting in their volunteer capacity. The law, known as Public Law 105-19, becomes effective September 16, 1997.



A 10-10 group meeting in the parking lot at the Days Inn, Hamvention 1997. Left to Right: Bob Nickel, WA8OXS #3159, Ed Emco, KD1YN #59148, Tom Henderson, K4CIH #33233, Esther Imsande, KB6HW, 23331, Ivan Stillwell, WA2OIZ #21511, Art, N0KDA #47266, Bill Barnes, and Linda Barnes, KJ4FM #43299. Everyone had advise for Bill about Linda's mobile antenna installation.

New Life Members

It is with pride that we honor the following members who have become the latest *Life Members* of Ten-Ten

You too can become a *Life Member* of 10-10
See details on page 31.

09891	W0OV	Carl L Cain
13883	W6AQ	David L Bell
18425	IK2ISY	Pucci Gian Piero
18837	KM5W	Kermit K Schauer
35333	N1AXG	Earl F Sunderland Jr
38084	KD5XX	Carter V Beghtol
51459	K4QYC	Joe R Sport
55736	N3CUX	Robert W Simpson Sr
56418	W6TTG	Richard L Sloan
58789	K0ZTI	Donald D Hed
61755	WA2KXE	Arthur A Altarac
63030	WA3FYZ	E Allen Brown
63584	KC4UIU	Juanita L McKinzey
7237	KQ4LD	Louis D Pesce

STAY ACTIVE IN 10-10

CHECK YOUR ADDRESS LABEL ON PAGE 32
FOR YOUR DUES EXPIRATION DATE
RENEW TODAY IF YOUR DUES ARE DUE

10-10 AWARDS

AWARDS ISSUED THROUGH 31 May 1997

TOP TEN HONOR ROLL

Allen Mattis
N5AFV, #27571

CALL	10-10 #	CONT
WA5JDU	3017	23,400
W0RWC	518	19,400
WB1DBZ	26001	18,600
PJ2WG	27999	17,000
K5MRU	218	16,500
W4WKQ	33299	16,100
WB7NUU	17416	11,800
WA9LIC	1599	11,600
K0PV	9902	11,500
N5CUQ	40	11,400

500 BAR AWARDS

Bob Peschka
K7QXG, # 5956

VP #	CALL	10-10- #
	NONE	

1000 + BAR AWARD

Allen Mattis
N5AFV, # 27571

1000 BAR

CERT #	CALL	10-10 #
1418	WB1HJC	53346
1419	K6VMN	31623
1420	WB4FBS	48461

LUCKY 13 AWARD

Bob Peschka
K7QXG, # 5956

CERT #	CALL	10-10 #
	NONE	

VP AWARDS

Carl Fisher
W0HIK, #40678

VP - 100

CERT #	CALL	10-10- #
	NONE	

VP - 200

183	WB6JVP	63117
-----	--------	-------

VP - 500

46	W0HIK	40678
----	-------	-------

WORKED ALL CONTINENTS AWARD

Mark Taylor Murphy
KC4HIT, # 57448

CERT #	CALL	10-10 #
	NONE	

COUNTY HUNTER AWARD

Alice Jenkins
NR4R, # 31223

100 COUNTIES

CERT #	CALL	10-10 #
	NONE	

COUNTRIES AWARD

Russ Gauthier
N5EJS, # 1525

25 Countries

CERT #	CALL	10-10 #
527	N1LFN	63941
528	W5UFA	23660

35 COUNTRIES

292	N1FLN	66394
293	W5UFA	23660

90 COUNTRIES

38	N5EJS	1525
----	-------	------

OM/XYL AWARD

Pat Hibbs
KH6OE, # 28842

BASIC - 10 TEAMS

CERT #	CALL	10-10 #
382	K3TUJ	7561

25 TEAMS

382	K3TUJ	7561
-----	-------	------

WORKED ALL STATES

Scott Brackeen
AI1M, # 23966

CERT #	CALL	10-10 #
	NONE	

WORKED ALL STATE CAPITALS

Paul Johnson
N4JII, # 37708

20 CAPITALS

NONE

WORKED ALL STATES MOBILE

Dave Becker
K7PRZ, # 47633

CERT #	CALL	10-10 #
	NONE	

WPX (PREFIX) AWARD

Bill Montgomery
KB3GW, # 35517

100 PREFIX

CERT #	CALL	10-10 #
	NONE	

CW AWARD

Lee Zalaznik
KI6OY, # 50948

CERT #	CALL	10-10 #
1	WA1DUZ	61623
2	W1RWF	5759
3	KA1YHI	63915
4	W1MXI	17800
5	KC1FV	45274
6	N1RLO	65432
7	KD1YN	59148
8	N5MT	24949
9	KK5DO	65027

QSO Party Scoring Request

The Contest Manager is setting up the QSO Parties for 1998, and needs persons or chapters to volunteer for scoring the five parties scheduled for 1998. If you or your chapter would like to volunteer as a scorer, please contact Don Ward, W0RTV #13962, Contest Manager, 4514 Ferrer Drive, St. Louis, MO 63129 or via e-mail at: donw0rtv@juno.com.

CALANDAR

Summer Phone QSO Party..... 2-3 August
10-10 Day Spring QSO Party 10 October
Fall CW QSO Party..... 25-26 October

Rules - 10-10 DAY Sprint

The following rules apply only to the 24-hour 10-10 DAY Sprint QSO Party which is held annually on October 10th.

1. ALL contacts must be made in the 10 meter amateur band on AM, FM, CW, RTTY, or SSB.

2. Exchange call sign, name, state or country, and 10-10 number. Some stations may request your county or Local Chapter numbers.

3. A Station may be counted only once, regardless of mode used.

4. ANY mode of operation may be used during the SPRINT, provided that RULE #3 is adhered to. Mode of operation need NOT be claimed on your log.

5. Multiple station, single operator (Club Stations) or Single Station, multiple operator (OM/XYL, Family Stations) along with the normal Single operator, Single Station logs will be accepted.

6. All contacts must take place during the 24 hour SPRINT period.

7. Logs must be kept in UTC (Universal Coordinated Time, Greenwich, Zulu etc.)

8. A "DUPE" sheet is required of ALL participants regardless of the number of contacts made. Computer duping is acceptable. A manual dupe sheet sample is included in this brochure.

9. Affiliated Chapter Assignment Scores are NOT applicable for this contest. All competition will be on a one on one basis.

10. Illegible or improperly submitted logs WILL be disqualified.

11. Point to Point contacts only will be accepted. NO repeater or Satellite contacts allowed.

12. Failure to comply with these RULES or their INTENT will result in disqualification.

13. SCORING: Two (2) points per contact with 10-10 number exchange and One (1) point per exchange without 10-10 number exchange.

AWARDS: A First place certificate will be awarded for each: US Call area (area 7 includes Alaska), Canada, South America, Caribbean (including Bermuda), Europe, Africa, Asia and the Pacific (which includes VK, ZL, KH6, and ALL other PACIFIC islands). The top ten finishers in the Contest overall will receive a certificate. Paid-up (full) 10-10 member scores will be listed in the *10-10 News*.

LOGS: Logs are accepted from paid-up 10-10 members only, and must be complete, legible, and in UTC. Each line entry must show Time, Call sign of station worked, Name, QTH (state if US or country) and 10-10 number if any. A cover (summary) sheet is required and must show entrants FULL Name, Call, QTH, 10-10 number, Address, membership expiration date (either by the NEWS address label or COPY of membership card) total number of contacts with and without 10-10 numbers and total claimed score.

QUIET ZONE: It is requested that 10-10 members have the courtesy to observe a "Quiet Zone" between 28.490 and 28.510 MHz for the use of non-contesters.

LOG SUBMISSION Logs must be submitted by the announced postmark deadline date. Logs are to be mailed to the announced scoring party(s).

Did you know.....

For years, many of us have listened to the *Amateur Radio Newline* (formerly Westlink Radio Network) on our 2-meter repeaters every week. Did you know that you can read the *Newline* on the web? The scrip of each weekly report is posted to the web at the web address of:

<http://www.rrnet.com.rrra/newline>.



Certificate Managers at the Hill Country 10-10 Picnic, June 1996, at the home of Jack, K5CC #50708, in Bulverde, TX. Left to Right: Ray, N5DAS #35877, South Texas Lighthouse Brigade, Robert, KA5VVD #42188, Branding Iron, Robert, WA5JDU #3017, Bluebonnet, and Bill, WD5EDR #23693, Outlaws

1997 SPRING CW QSO PARTY RESULTS

Top 10 Worldwide

KU4W	60	4944
KJ4RV	54	3895
N4ZCG	54	3589
W4SKW	50	3432
N4ERM	47	3132
WA5JDU	45	2592
KK5DO	48	2528
NL7NL	42	2475
N2EOC	33	1792
W5EFB	39	1608

Area 0

WB0RHR	13	338
KB0TUI	16	225
N0WM	8	105
W0ERZ	7	98
K0WEX	5	40
WB0GGO	4	32
W0RTV	4	32

Area 1

KD1YN	31	1026
W1RFW	27	810
W1MXI	19	532
KC1FV	18	315
N1WL	13	312
KA1YHI	11	176
KA1ULN	11	168
K1IEQ	9	126
N1RLO	9	85
WA1DU	Z7	84
KE1DN	6	60
N1STE	4	32

Area 2

N2EOC	33	1792
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Area 3

N3FSC	13	260
W3EHZ	9	126
WA3JXW	4	28

Area 4

KU4W	60	4944
KJ4RV	54	3895

N4ZCG	54	3589
W4SKW	50	3432
N4ERM	47	3132
KL7NL	42	2475
K4QFK	32	1464
AE2L	32	1403
KJ4SJ	30	1380
KE4DEV	32	1334
WA4QDM	29	1150
KR4OE	27	1144
N4EWG	24	940
N7PUI	25	912
N3DZC	23	860
WA4HMX	22	840
KR4PQ	24	828
N4ANV	22	704
AD4RP	21	697
KS4IB	22	688
KC4JAN	22	645
AA4PR	18	468
W4TBO	18	385
AE4TF	13	247
K4PYM	13	234
AE4TC	12	230
KF4HBD	10	160
AD4MG	8	98
K4MAC	7	72
KD4MHH	2	4
AE4NA	1	2

Area 5

WA5JDU	45	2592
KK5DO	48	2528
W5EFB	39	1608
N5MT	34	1364
W5CJZ	24	602
WX5I	20	555
AA5XQ	13	286
KG5NO	16	243
WA5KNC	11	220
WB5BIR	14	184
N5LHN	10	108
N5EJS	7	91
N5AFV	10	90
KC5VAT	9	80
W5RAN	7	72

N5XYN	6	60
N5VAU	4	28
KC5BKT	4	28
N5VAV	4	28
KC5ZFF	3	15
WD5HJC	2	8
KC5AQU	2	4
KB5VTB	1	2

Area 6

K6EHA	8	104
KI6OY	1	2

Area 7

K7QXG	9	153
KC5AC	2	6

Area 8

N8CW	18	336
W8PJY	9	128
W8JSM	4	32
W8LBQ	2	8

Area 9

W9IAI	26	576
WA9OFH	19	455
AK9Y	19	429

NA9A	12	207
W9ETU	11	132
KE9WZ	8	128
WA9AUW	7	70
KB9GVY	4	24
W9WYN	2	8
W9UW	1	2

QRP

N9UKX	11	180
KA1BPH	9	126

Club

W5GCH	48	2528
W5RPT	10	90
KF4CVP	5	36

Area DX

TI4VSG	14	364
WP4LNY	10	117
ZL1LE	1	2

POST MARK AFTER DEADLINE

WA9TPQ postmarked date 5/27/97 (deadline date was 5/25/97). Used as a check log.

Chapter Scores

POSSUM TROT	33239
SHOT	9467
BATTLE ROAD	3540
OLD DOMINION	3765
BLUEBONNET	2592
CITY OF LIGHTS	1893
TROTTER AND PACERS	1792
REPUBLIC OF TEXAS	662
CINCINNATI TEN TUNERS	504
BAUXITE	382
MO-KAN	338
STEEL CITY	316
PINE STATE	312
GATEWAY	307
SUNCOAST	247
GOLDEN CORNER	234
PORTLAND 500	153
CRADLE OF LIBERTY	28
WINDFARMS	6
DOWN UNDER	2

New Net Control Manager

Due health reasons, Nat Green, 8P6SA #45858, has found it necessary to resign from his volunteer position of 10-10 Net Control Manager. Nat provided us with a good organized net and has recommended that Bill, AA6ZW be appointed as his replacement. Ed Redwine, K5ERJ, Chairman of the Operations Committee, and his committee, has approved Bill, AA6ZW as Nat's replacement. A big "thank you" goes to Nat for an excellent job keeping the net well organized for the last few years.

Meet Bill Marple, AA6ZW #62075, our new Net Control Manager.

I was born in Los Angeles, CA. on June 30, 1942. I grew up here, and completed my schooling in the L.A. City School District. I went to college at Los Angeles City College for two semesters, and then joined the U.S. Army. In 1992, after almost 24 years of employment with the Federal Aviation Administration as an Air Traffic Control Supervisor, I retired. I had worked at Santa Monica Municipal Airport, Hawthorne Municipal Airport, Torrance Municipal Airport, and Los Angeles International Airport. During this same time, I was working with the Los Angeles County Sheriff's Department Disaster Communications Service. I am still working there, where I hold the position of Chief Communications Officer. I have over 1600 volunteers, working in 19 districts, providing emergency communications for the County of Los Angeles.

As far as my personal life is concerned, I married my wife, Norma, on August 12, 1995. While she is not a ham, she fully supports me and my hobby, and is a great help with the paperwork. Between the two of us, we have five children, all grown and "out of the nest". I work part time for Postal+, a small postal/shipping business in Hacienda Heights, CA. We also have an ISP that we operate there called Compunet Technologies. We provide connection to the Internet in L.A. County, North Orange County, and San Gabriel Valley. We look forward to expanding our service to other areas soon.

In addition to my new duties as Net Manager, I am Net Control on Thursday on 28.380. I also volunteer on board the Queen Mary, W6RO, #25000, on the first Friday of each month from 0900 - 1300 Pacific Time. I am the President of the S.S. Lane Victory ARC, W6LV, # 67981, and operate from the ship every Wednesday from 0900 - 1300 Pacific Time. You will always find these stations checking in on the nets.

The only other activity that I am involved in is during the Christmas season, when I am Santa Claus for several rest homes, child abuse centers, and the Sheriff's Department volunteer programs.



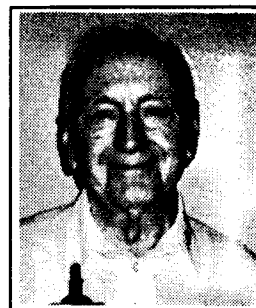
10-10 Officials at the recent Hill Country Picnic, left to right: Mike, N5MT #24949, 10-10 News DX Editor, Bruce, KK5DO #65027, Chariman of the Contest Committee, Bob, K7QXG #5959, Bar Manager 100-900, and Hank, WA5HWI #63313, Manager, Counties Award

The sum of the world's debt is some total!

In Memorium

10-10's good friend, Jack Miller, W9WYN #6894, became a Silent Key on June 26, 1997.

Jack was licensed as W9WYN in 1936 and became a member of 10-10 on 27 November 1972. He was a life member of 10-10, ARRL and IEEE. He served as a WWII Signal Corps Master Sergeant and was a member of the Signal Corps Association. Jack has held various sales positions in the electrical industry and owned the Miller Aluminum Sales Company until his retirement.



Jack Miller, W9WYN #6894 VP 793 was elected to a two-year term as Director beginning on 1 January 1991, in the first election in which the entire 10-10 general membership participated. In the second 10-10 general election, Jack was again elected to the Board of Directors for a four-year term beginning 1 January 1993. On 31 December 1996, Jack completed seven years of service as Director and Co-Chairman of the B.O.D. Planning Committee.

Jack was an enthusiastic supporter of the 10-10 Scholarship Fund and has recruited volunteers at Hamfests in the Ninth Call Area. He has represented 10-10 at the activities of the City of Lights Chapter, the Steel City Chapter and at the September 1996 ARRL National Convention in Peoria.

Our heart felt sympathy to Dorothy, Jack's XYL, who supported Jack in his Amateur Radio activities.

Mobile Notes

By Gene Tyree
N4ANV #18712

Well time again to say hello to all my 10-10er friends. Its always great to pay attention to the people you first had a QSO with on the 10 Meter band. I remember very well receiving my new 10-10 number and the pressing urge to get on the air and pass out my new 18712, for the first time. Boy that was a long time ago. I believe it was the spring of 1978. I was the only guy in town who was spending time swapping those numbers, and collecting all that paper. Then came along my good friend Dick Stutts, KB4MJ, #18758, now a silent key, and together we would chase paper. Its great to chase memories, and I guess the longer you are here the more you chase. This was the beginning of the 1010 chapter of Possum Trotters on 10, as Dick and I were joined by our friend Bill. KU4W, # 20986. Bill is still the chapter head of the Possum Trotters on 10. As many of you know we still operate as a group for all 10-10 QSO parties, and do our best to be on the top of the list. 10-10 is fully a club activity in our local club. Enough of this as I almost got nostalgic on you. HI! HI!

Well let me tell you about how I install my mobile radio to get rid of as much noise as I can. You see much of the noise in your radio does not come through the antenna, but enters the radio by way of the electrical system. Think about this, in the old days they used spark gap transmitters to send signals over the airways. Well just think of the number of spark transmitters that just happened to be under

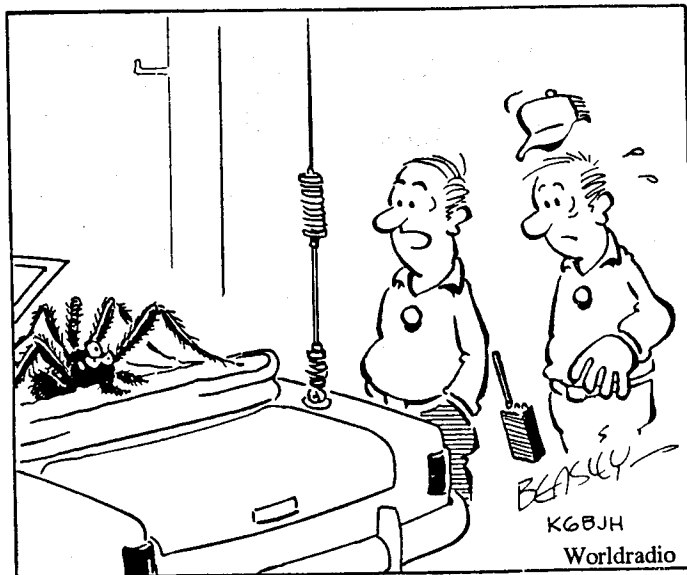
your hood. Each spark plug (every time it fires), the alternator, the radiator fan motor, the heater-air conditioning fan, the wiper motor. All of these can and sometimes do cause noise in your receiver. Other things which cause problems are electric fuel pumps, torque converters, and commuter modules. Therefore as we begin to talk about installation of a radio we must remember what we are trying to remove from the radio. A great deal of the noise in our receivers comes as a result of the power cable becoming a pickup device for the RF sparks produced by the various items producing these sparks under the hood. So if this be the case we must take steps to remove the pick up device, the power cable. Since we know we can't completely get rid of the cable, then we must make it as invisible as possible. First, we always need to go right from the battery to the radio for our power source. The battery acts as a filter to the radio from other electric components, so we need to use this as opposed to going through the fuse box, and hooking directly into all the noise of the automobile.

When I begin to install the rig in the car, I plan the route which I must take to reach the place where the radio will be. I like to get the cable out of the engine compartment as quick as possible. Many times drilling into the fender well just behind the battery, then coming back into the car around the door, or drilling a hole somewhere in the floor board, to get into the car. The reason for this is to let the car body act as a physical shield to all the noise created in the engine compartment.

After planning the path, determine the

length of power cable you need to make the run. You need to plan to run both + and - to the battery. After determining the length, get a

(Continued on page 29)



AW, THAT'S OL' SPIKE-ANYBODY TRIES TO STEAL MY RADIO GEAR, HE WRAPS 'EM IN A COCOON---TROUBLE IS HE TRIES TO WRAP ME IN A COCOON, TOO!

10-10 DX Countries Award Update

By Russ Gauthier, N5EJS #1525,
10-10 Countries Award Manager

For anyone interested in the 10-10 DX Countries Award, there are new items you should be aware of:

Data for the Countries Awards is being entered & kept by a computer tracking program (thanks to K4HAV). As a result, dupes and a few other problems have appeared in some of the records. I will be reporting these to the affected members who are paid up on their dues. Dupes in the Basic 25 or following endorsements will have to be filled in before credit for further endorsements can be issued.

Some of those affected may not have enough replacements on hand to fill in the slots. Replace what you can and send the others when you have them. But please let me know about it one way or the other so I can make a note about it in your file.

If you still have some of the older application forms and rule sheets you can still use them to make a submission, but you need to take notice of the following points:

#1. Confirmation by the "Verifying Signatures of 2 other members" method is no longer accepted for the 10-10 DX Countries Award. You need to send either the QSLs or copies of the QSLs along with your application. Copies of QSLs will not be returned.

#2. On some of the older forms the Application Sheet and the sheet used to list contacts are on two separate pieces of paper. Others are on a single sheet, front and back. For the ones on separate sheets of paper, please remember to put your Call, 10-10 number, and date of submission at the top of the form. Some of them didn't have a place to put this information and if the contact sheet becomes separated from the application sheet later on, I have no way of knowing which application it belongs to.

For DX stations outside USA: I can exchange IRC's for return postage but not for the \$5 first time award fee. Also, the PostMaster warned me that IRCs stamped in the right-hand box are invalid and can't be redeemed. A letter weighing 1/2 ounce or fewer (14.1 grams) takes 1 IRC. And for each additional 1/2-ounce add 1 IRC. On average, 25 QSLs will weigh somewhere around 3 to ounces (85 to 114 grams) with envelope & returning paperwork. This works out to around 6 to 8 IRC's for return by airmail. (Canada & Mexico would take a few less than other countries).

If you want to check on the status of your award, send a SASE and I'll send you back a

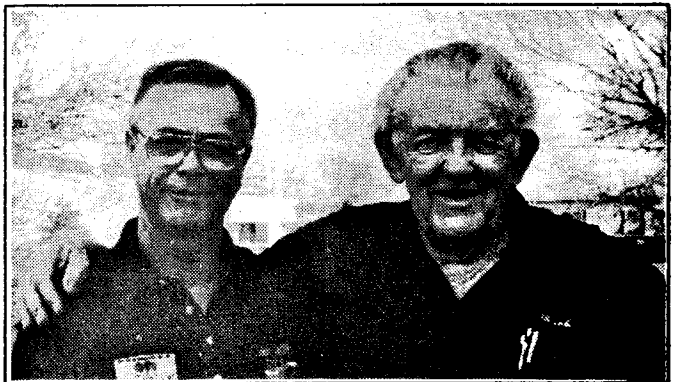
printout of the credits in your file plus a set of the updated Rules & Forms. If you have e-mail, I can send the printout and Rules by that means but not the forms. Send e-mail to: n5ejs@linknet.net or tenten-dx@juno.co.

10-10 Numbers

The question has come up recently as to why several members have received their new 10-10 numbers not in sequence. That is one new member may receive a number in the 687XX series and another new member may receive a number in the 676XX series. Of course there is a reason for this. When 10-10 had Area Managers, who issued 10-10 numbers to new members, they were issued numbers by the Data Manager in blocks of 100. During that time, numbers issued to new members, were not issued in sequence, but issued from the blocks assigned to Area Managers. Numbers being issued from one area to another area could be up to a couple of thousand apart.

When 10-10 went centralized, and Area Managers were abolished, those blocks of numbers not assigned by area managers, were returned to the data bank. Those numbers are now being assigned and therefore numbers will vary from sequential issue until all of the old area manager blocks are used up. Based on 60-70 new members joining 10-10 currently per month, the Data Manager estimates that all of those old blocks of numbers will be used up in the next few months. When all of the old blocks of numbers have been assigned, the Data Manager will begin issuing new numbers in sequence in the block beginning with 69000.

There still are a few open numbers in some of the lower blocks, which have been assigned to the DX Manager to issue to new DX members.



President Tom Henderson, K4CIH #33233 and
Vice President Chuck Imsande, W6YLJ #19639
at the Dayton Hamfest, May 1997

TenX DX News

(Continued from page 13)

cated an average sunspot number of 44 by July. They predicted a solar flux of 77 for January, 80 for February, 84 for March and 100 by July. Currently, actual conditions are behind these projections. The upswing of the new cycle is going to be slower than the previous but I expect the flux to be over 100 by the January 1998.

Suriname K3BYV/PZ5DX #33844. "Just thought you might like to know of my recent trip to Suriname. The lead-time for the 10-10 News was too long for me to get the info to you ahead of departure. Some stats: 6 Apr 97 made 14 QSO on 28.405 between 1716-1758Z, eight were US call's and six DX. All had good, steady and strong signals (Only 3 had 10-10 numbers.), 7 Apr made 1 QSO on 28.495 at 1621Z with a fellow in NC. No other signals were heard and I called CQ for some time and often. 24 Mar made 9 contacts on 28.352 between 1453-1531Z from Florida to Virginia and KY. Continued to call CQ for awhile but no answers. Where was everybody? With the condition of the band at the time I was making those contacts there should have been a hip deep pile-up. 73 & C U L K3BYV Bob #33844."

SK: 3B8CA Jack #52706 now a silent key, was the only active member on Mauritius Island. QSL's have been returned.

Felix Riess DL8OBC #55519 now has call-sign **N5BC**. Anyone work him from Turkey recently? **GU, Guernsey** by Bob **W7MAE #4090** ex.K7RDH could have been active in April as **MU/W7MAE**. Anyone hear him?

Lee, KH6BZF #8888, advises that he is the QSL Manager for Dave, **T9/WA5IKQ #14256**, and would like to clean up any and all requests for BOSNIA QSLs that might be wandering around. QSL T9/WA5IKQ via KH6BZF (+IRCs, or SASE + Amount in US AIRMAIL. Postage): Lee Wical, 45-601 Luluku Road, Kane'Ohe, HI 96744-1854.

Panama by HP1AC #10107 is Camilo who is active in most major CW contests. Do not QSL via KM7Z. QSL to Camilo A Castillo, Box 6-583, El Dorado, Panama.

Guinea-Bissau Africa by Dave Bendt **J52IM #24392** is on the air. Dave expects to be in J5 until 1998. QSL KB9XN.

ew DX members for March to June: F6DHI #68908, DH4JQ #68909, VR6TY #68910, ON4LBQ #68911, DF7KHK #68912, DJ9UW #68913, DF0IA #68914, DF2WF Franz #68915, DL5DXS Steffen #68916. VE3BMR #5247 is

now VA3RJ address is: 411-96 Jameson Ave. Toronto, On Canada M6K 2X7. Hope this helps you find and welcome new DX members. 73, Carol **K8DHK #29588** Email: **K8DHK@juno.com**

Thanks too: Russ Gauthier (**N5EJS@linknet.net**) for his assistance. To everyone for the letters and photos that you have been sending, to the on-line DX Reflector, QRZ-DX & Ohio/Penn DX Bulletins. Send photos to Mike Davidson, 3518 Bellefontaine, Houston, TX 77025 USA or NEW Email: **N5MT@aol.com**. Remember, **DX IS!**

Amateur Radio Then and Now

Well, let's shift gears a little bit and gaze at the digital Amateur station of ten years ago. It's now 1987 - most of us can still remember back that far. You had an 8088 or 80286. 1987 - OK, maybe you had a Mac as well. You had a megabyte of DRAM, or you had a forty megabyte hard drive, you had an EGA monitor (how many remember EGA monitors?). You had a Z80 TNC with a 1200 baud modem plugged into the audio jacks of your two meter radio, and you had a 1200, or if you were rich, a 2400 bit per second connection to The Source, or maybe CompuServe.

Lets look at that same digital Amateur station today. It's now 1997. You've got a high speed 486 or Pentium, it's got at least eight megabytes of RAM, you've got a one-gigabyte hard drive and a SuperVGA monitor. You've got a 28.8 kilobit modem that cost \$99 connected up to your \$20 per month internet connection. And you've got a Z80 TNC running at 1200 bits per second connected to your two-meter radio

What's wrong with this picture? Advancing the radio art is how we're going to retain what we have. Lets look at something else. Pretend it's 1944 now (I think most of us will have to pretend). If you ran into QRM on the frequency, well, what would you do? You'd QSY, change frequency, you'd QRZ, be sure the frequency was clear, and then you'd call CQ.

In 1954, you know, 10 years later, Single Sideband was starting to come on. You cut your spectrum in half so you could put twice as many people in the same amount of spectrum. In 1997, we're using what? Single Sideband. Same as we were using in 1954. It's nearly fifty years later and we're still using the SAME techniques.

- W5YI Report

NEXT 10-10 QSO PARTY

Summer Phone - 2-3 August 1997

Mobile Notes

(Continued from page 26)

length of RG8 coax, and it should be about 25% longer than the power cable. Strip the black cover off the coax, very carefully, trying not to cut the braid. Once you have the cover off, the shield then acts just like an old Chinese finger cuff. Just slide it back on itself and it will come right off the dielectric insulator. You now have a nice braided shield to use. Try not to crimp the shield. Very carefully begin to feed your power cable into the shield, being very careful to not crimp because it makes it more difficult to feed into the shield. Once you have the cable in the shield, cut excess cable and run the cable on the planned path.

Place the proper connectors on both ends of the + and - wires. These will be determined by the type of battery and radio you have. Don't forget to put a fuse in line to protect your radio.

Now if you have shield left over then don't waste it. Put terminal lugs on the ends of pieces cut to the right length. Place these as grounding straps between engine and chassis, and between the tailpipe and the chassis. One from each side of the motor and from each end of the tail pipe will help lower the noise to the radio.

Does all this work, well? It has worked for me, and I know it has worked for others. I can operate from my mobile while driving 70 to 75 mph down the interstate, and exchange 3/3 reports. Now if I had a lot of noise I sure couldn't do that. If you are having trouble with all that noise then give this a try. It may work for you.

Well I am still listening for all of you on 10 meters mobile, and haven't heard many, but you wait and see. During the summer we will be able to find a few openings on 10, and I sure look forward to that. If you have an interesting story about mobiling on 10 meters, jot it down and send it to me. I sure would like your input. You may e-mail me at n4anv@aol.com, or at my home address, as listed in any database. Sure would love to hear from you.

.....
■ **CHANGED YOUR CALL or ADDRESS** ■
■ **NOTIFY 10-10 - ADDRESS ON PAGE 31** ■
.....

An-Ten-Ten-nas

(Continued from page 9)

parallel with your "real" antenna. That phenomenon can ruin the performance of your system (unless it is designed into the system, as in some wire antenna schemes). Hence, you need something to isolate the outer surface of the coax from the antenna currents. Many beam manufacturers already provide a "balun" or "line isolator" to take care of that potential problem. If your system does not have one, consider purchasing a 1:1 current balun or W2DU-type choke balun to install between the antenna terminals and the coax run.

I also take one other precaution. Instead of running one piece of coax from the antenna terminals to the rig, I use several. The first goes from the beam terminals (actually, the choke balun) to the mast, around the rotator with a large strain-relief loop, and down about 8 feet along a tower leg. I have grounded my tower legs as best I can, and I have a plate on the leg with a bulkhead (double female) coax connector. The first length of coax ends here and the second begins. Electrically, the tower and the outer coax braid surface are at the same potential. The second coax length goes to another plate installed where the coax enters my home. At this weather protected point, when weather threatens, I can move the coax from the house run to a plate with coax connectors and a long pipe into the soil. Keeping heavy charges outdoors is my goal, especially when I am on vacation. This measure protects my home. A third run goes from the home-entry plate to a plate at the edge of my operating table. Routinely, whenever I am not on the air, the coax, ground strap, computer connector, and AC cord to the station are all completely disconnected, so that the station is isolated from any electrical dangers. This measure protects my rig. Finally, short lengths from the plate to my antenna tuners and rigs complete the connections.

Do I get some losses from having so many coax connectors? Probably a little. But so far, in 40+ years of operating, I have had no problem with static charge build-up on the antenna, power line surges, ground surges, or other weather- and thunderstorm-related problems.

Coax makes a very effective transmission line, but its effectiveness depends on sensible selection, thoughtful installation, regular maintenance, and timely replacement. You might want to check out your transmission lines before the sunspots numbers take your mind off everything except operating.

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 Awards Managers listed below. Please send a request with a #10 (business size) envelope, stamped, self-addressed, 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.

BAR AWARDS

Work 100 10-10 members on the air and exchange call, name, location and 10-10 numbers. List these 100 numbers in numerical order, along with call sign, date of contact, name, and QTH (State or Country). The BAR Awards do not require an "official" application form, just a list as noted above. Send BAR applications to the following BAR Managers:

BAR APPLICATIONS 100-900

Bob Peschka, K7QXG #5956..... 2580 SW 195
.....Aloha, OR 97006

BAR APPLICATIONS 1000+

Allen Mattis, N5AFV #27571 5314 Wigton Drive
..... Houston, TX 77096-5115

CERTIFICATE OF AWARD

A *Certificate of Award* is available when attaining the 1000, 2500, 5000 (and for each additional 2500) BARS at a cost of \$2.00 plus two first class stamps. Send your *Certificate of Award* application to the 1000+ BAR Manager. (Note: Plaques have been replaced by Certificates. Plaques are no longer available.)

INTERNATIONAL 500 OF THE WORLD

With the 500 BAR comes an Honorary VP Number, membership in **International 500 of the World**. A certificate is available for the International 500 of the World for \$1.00 plus 2 first class stamps. Once the 500 BAR is attained, you may go after the following awards:

VP BAR AWARD

Contact 100, 200, etc. 10-10 members with a VP Number and submit a list in numerical order, VP#, 10-10 #, call, date of contact, name, and QTH. See the VP Bar rules on the Tenten-I web page or send an SASE for rules to the Award Manager. Send your list, along with 2 first class stamps to:

Carl Fisher, W0HIK #406785 Angelina Drive
..... Augusta, KS 67010-2262

LUCKY 13 CERTIFICATE

Bob Peschka, K7QXG #5956 2580 SW 195
..... Aloha, OR 97006

VP WORKED ALL STATES

Carl Fisher, W0HIK #40678 5 Angelina Drive
..... Augusta, KS 67010-2262

CONTINENTS AWARD

Mark Taylor Murphy, KC4HIT #57448
..... 108 Old Country Lane
..... Claremont, NC 28610-9561

COUNTIES AWARD

Hank Richroath, WA5HWI #63313... 1004 S Howeth Street
..... Gainesville, TX 76240-5904

COUNTRIES AWARD

Russ Gauthier, N5EJS #1525..... 8816 HWY 165
..... Pollack, LA 71467

CW AWARD

Lee Zalaznik, K16OY #50948..... 334 Olivina Avenue
..... Livermore, CA 94550

MOBILE AWARD

Dave Becker, K7PRZ #47633 PO Box 3346
..... Portland, OR 97208

OM/XYL AWARD

Pat Hibbs, KH6OE #28842 4603 Glenna Way
..... Louisville, KY 40219-2814

WORKED ALL STATES AWARD

Scott Brackeen, AI1M #23966 93 CR 3271
..... Booneville, MS 38829

WORKED ALL STATE CAPITALS

Paul Johnson, N4JII #37708..... 2311 CCC Road
..... Dickson, TN 37055-4230

WPX (PREFIX) AWARD

Bill Montgomery, KB3GW #35517..... PO Box 7183
..... Las Cruces, NM 88006

Attention - Mom's and Dad's

- Do you have a teenage boy or girl that has their ham license, and their own 10-10 number? Or maybe you know of a teenager of a friend that is a ham and has a 10-10 number. We are looking for teenage hams that are 10-10 members for our column "The Future of Amateur Radio"
- The NEWS would like to do a feature story about your teenage son, daughter or friend. Send information and a picture to the Editor, the address is on page 2 this issue of the NEWS.

Membership Information and Services

The following information is supplied to provide a ready reference on how and where to send your 10-10 dues, and where to purchase items offered for sale by 10-10.

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.

NEW MEMBERSHIPS

New member applications should be sent to the Omaha address listed below. Dues for 10-10 membership are \$10.00 per year for members with a USA ZIP code and \$13.00 per year for DX members. You may pay your dues for multiple years. A membership application is included in the 10-10 Information Manual and in the New Member Brochure.

Mail new member applications with USA ZIP code to:

10-10 International Net, Inc.
Attention: New Member Application
643 N. 98th Street #142
Omaha, NE 68114-2342

Mail new member applications for all DX to:

Carol Hugentober, K8DHK #29588
DX Area Manager
4441 Andreas Avenue
Cincinnati, OH 45211-2622 USA

All correspondence regarding membership services should be addressed to:

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

DUES RENEWALS

10-10 dues are \$10.00 per year for members with a USA ZIP code and \$13.00 per year for members with a DX address. Multiple years dues may be paid with renewals.

All USA members (those with a USA ZIP code) send dues renewals to the following address:

10-10 International Net, Inc.
Attention: Dues Renewal
643 N. 98th Street #142
Omaha, NE 68114-2342

All DX members send dues renewals to:

Carol Hugentober, K8DHK #29588
DX Area Manager
4441 Andreas Avenue
Cincinnati, OH 45211-2622 USA

FAMILY MEMBERSHIPS

Family Membership consists of a primary member and one or more relatives who qualify as a 10-10 member and who reside at the same location and postal address. Family Membership run concurrently with that of the primary member. Add \$3.00 for each additional Family Member for

each year. Only one copy of the 10-10 News is mailed to the primary family member.

LIFE MEMBERSHIP

Life membership is available to USA members for \$250.00 and for DX members for \$325.00. Senior Life Membership is available for those over 65 (with proof of age) for \$85.00 US members and \$100.00 for DX members. You must be 65+ to apply for Life Membership. Family Life Membership is available for \$75.00. Family life membership ends when the regular member becomes an SK. Send all life membership applications to:

10-10 International Net, Inc.
Attention: Life Membership
643 N. 98th Street #142
Omaha, NE 68114-2342

Life memberships are available on a three year payment plan. For an application for time payment Life Membership, send a #10 SASE to the address above.

ADDRESS CHANGE

Send all change of call, name and address to the following address:

10-10 International Net, Inc.
Attention: Address Change
643 N. 98th Street #142
Omaha, NE 68114-2342

10-10 INFORMATION MANUAL

The 10-10 Information Manual, a 36 page manual of everything you would want to know about 10-10 is available for \$1.00 postpaid (USA or DX). Send your request, along with a return address label (no SASE required) to:

Mike Elliott, KF7ZQ #54625
10-10 Information Manager
9832 W. Gurdon Court
Boise, ID 83704-4080

SCHOLARSHIP DONATIONS

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

Morrie Goldman, W6EHM #4189
10-10 Scholarship Manager
21518 Marjorie Avenue
Torrance, CA 90503-6418

A *Certificate of Appreciation* will be sent to all who make a contribution to the Scholarship Fund.

10-10 STAMPS

Self-adhesive 10-10 stamps that can be used on QSL cards, correspondence and envelopes are available for \$5.00 per 144 stamps. Send your order to:

10-10 International Net, Inc.
Attention: Stamps
643 N. 98th Street #142
Omaha, NE 68114-2342

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, breircase, car windows, etc. Price: 2 for \$1.00 postpaid. Order from:

10-10 International Net, Inc.
Attention: Static Clinger
643 N. 98th Street #142
Omaha, NE 68114-2342

AWARDS & CERTIFICATE GUIDE

The official Awards and Certificate Guide of 10-10, along with complete chapter information, is available for \$6.00 USA ZIP codes and \$8.00 to DX. A monthly update is also available for \$10.00 per year USA and \$12.00 DX. Send your order to:

Linda Barnes, KJ4FM #43299
310 Sequoyah Drive
Kingsport, TN 37660-3742

10-10 ROSTER

The complete 10-10 membership list is available in hard copy or on computer disk.

Hard Copy Roster - The hard copy is printed on both sides of 8-1/2" x 11" paper 3-hole punched. The roster lists 10-10 number and call. SK's are identified. It is issued once each year in January. Cost of the printed roster is \$11.00 US and \$14.00 DX postpaid. Only a limited number of copies are printed and are sold on a first come, first serve basis. Advance orders are accepted.

Roster on Disk - 10-10 offers two different Rosters-on-Disk. One, known as XXIQ will search for call if 10-10 number is known and for 10-10 number if call is known. XXIQ is available on 3.5" (1.44MB) disk. It will run on IBM compatible computers. The other 10-10 Roster-on-Disk is known as XXIP and is available only on 3.5" (1.44MB) disks. It is contained on 3 disks and requires DOS 3.3 or later and 16 MB of hard disk. This program will locate 10-10 number, call and will display Name, Address, City, State (or Country), membership status, expiration date, SK status and will print address labels. Rosters on DISK are published each quarter, in January, April, July and October.

Cost - Cost of XXIQ is \$5.00 per issue, or \$17.50 per yearly subscription US members. DX cost is \$7.00 per issue or \$25.00 per yearly subscription. Cost of XXIP is \$10.00 per issue US or \$13.00 DX. Roster on Disk are shipped prepaid. Order 10-10 rosters on disk from:

10-10 International Net, Inc.
Attention: Roster
643 N. 98th Street #142
Omaha, NE 68114-2342

Be sure to note which program you are ordering.

FCC FORM 610

The latest issue of the FCC Form 610 is available from 10-10 for a #10 SASE. Send your request and an SASE with one first class stamp to:

Mike Elliott, KF7ZQ #54625
Attention: FCC Form
9832 W. Gurdon Court
Boise, ID 83704-4080

10-10 QSO PARTY COVER SHEET

SUMMER PHONE CONTEST - 0000Z 2 AUG - 2400Z 3 AUG 1997

TOTAL CONTACTS	NO. OF CONTACTS	MULTIPLIER	POINTS
WITH 10-10 NUMBER		X 2	
WITHOUT 10-10 NUMBER		X 1	
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	TOTAL QSO POINTS	
XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	TOTAL PREFIXES	
TOTAL SCORE	XXXXXXXXXXXXXXXXXX	QSO POINTS X PREFIXES	

ENTRY IS: ☐ Individual ☐ Club ☐ QRP

Chapter Assignment (if any) : _____

Call Area or ARRL Country you operated this QSO Party from: _____

LOGS MUST BE POSTMARKED ON OR BEFORE 18 AUG. 1997

CHECK LIST

SEND LOGS TO:
Eagle Watch Chapter
% Ben Wooten, KC4SDU
507 Cobra Street
Boaz, AL 35957

**A PHOTO COPY OF THIS
PAGE IS ACCEPTABLE**

1. Proof of Membership (This page or a photo copy showing your address label OR a copy of your membership card)

NO ☐ YES ☐

2. DUPE Sheet(s) enclosed: NO ☐ YES ☐

3. Log in UTC Date/Time: NO ☐ YES ☐

4. Cover Sheet for this QSO Party: NO ☐ YES ☐

(A cover sheet for any other QSO Party is unacceptable)

**ALL CHECK ITEMS MUST BE YES AND ALL BLANKS
IN THE SCORING BOX MUST BE FILLED IN
TO BE AN ACCEPTABLE LOG SUBMITTAL**

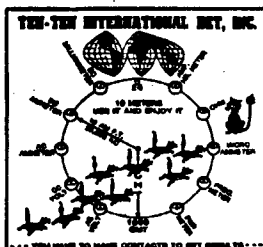
10-10 International Net, Inc.
643 N. 98th Street #142
Omaha, NE 68114-2342

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

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

Forwarding and Address
Correction Requested

FIRST CLASS



15984 WB0KIN 111997
WALTER E FRIANT
2310 S WALLONNIE DR
MARSHFIELD WI 54449-5346

JULY 1997 (SUMMER)