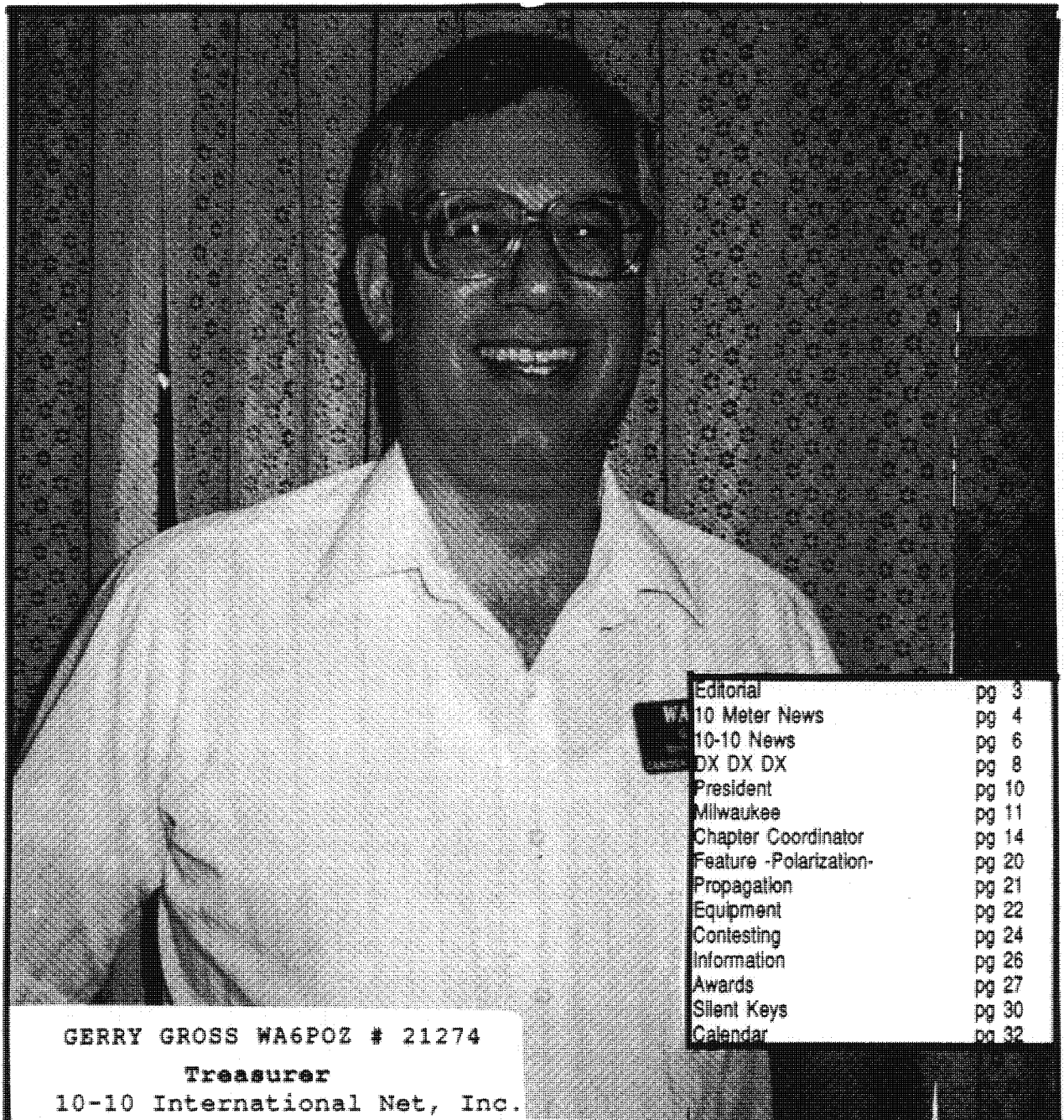


# 10-10 INTERNATIONAL *News*

FALL  
  
1989

VOL. 27 NO. 4



**GERRY GROSS WA6POZ # 21274**  
**Treasurer**  
**10-10 International Net, Inc.**

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## 10-10 INTERNATIONAL NET OFFICIALS

|                       |                    |        |
|-----------------------|--------------------|--------|
| President             | Norm Leftcourt     | W6IRT  |
| Vice President        | Mortie Goldman     | W6EHM  |
| Secretary             | Don Hirst          | W6AGP  |
| Acting Treasurer      | Gerry Gross        | WA6POZ |
| Directors             | Jim Beswick        | W4YHF  |
|                       | Jim Michaels       | W6PGM  |
|                       | Hugh Sullivan      | WA4QZU |
| Chapter Coordinator   | Hugh Sullivan      | WA4QZU |
| Contest Rules Manager | Harry Syring       | WB1FTQ |
| Editor, 10-10 News    | Frank L. Hicks Jr. | KF7CD  |
| Int'l Net Manager     | Sherm Sherman      | K6PTF  |
| Records Manager       | Lee Pasewalk       | WB5MGH |
| Roster Manager        | Dee Gilbert        | KA6HQJ |
| Supply Manager        | Dave Prichard      | KA5OVQ |

## 10-10 INTERNATIONAL NEWS

The 10-10 International News is published four times annually by the 10-10 International Net, Inc. Each full member receives a copy. This is an independent publication. Permission to reprint is granted, provided suitable credit is shown.

All Chapter activities and reports should be sent to the Chapter Coordinator, Hugh Sullivan, WA4QZU, 2112 York Dr., Owensboro, KY 42301. Telephone: (502) 683-0562.

News items and PHOTOS are to be sent to the Editor: Frank L. Hicks Jr., KF7CD, 135 Star View Drive, Park City, Utah, 84060. Telephone: (801) 649-3980.

Deadline For the Next Issue is

DECEMBER 15, 1989

## 10-10 INTERNATIONAL AREA MANAGERS

Addresses are listed inside back cover.

| Call Area    | Name               | Call   |
|--------------|--------------------|--------|
| 1            | Al Kaiser          | N1API  |
| 2            | Larry Berger       | WA2SUH |
| 3            | Jim Duppins        | WA3RBO |
| 3 Helper     | Billy Johnson      | N3AMX  |
| 4 FL,PR      | Dave Buschow       | WD4MPG |
| 4 VA,NC,SC   | Tom Henderson      | K4CIH  |
| 4 KY,TN      | Rick Roberts       | N4KCC  |
| 4 GA,AL      | Jim Beswick        | W4YHF  |
| 5            | Grace Dunlap       | K5MRU  |
| 6            | Dick Rauscher      | W6ANK  |
| 7            | Willie Madison     | WB7VZI |
| 8            | John Hugentober    | N8FU   |
| 9            | Bernice Tietemann  | N9CDO  |
| 0            | Judy Long          | WD0DHH |
| VK           | Les Olsen          | VK2JLO |
| ZL           | T.J.(Mac) McKenzie | ZL3RK  |
| All other DX | Carol Hugentober   | K8DHK  |

Copy deadlines are the 15th of the month preceeding publication. Publication dates are approximately the middle of January, April, July, and October.

Technical articles and information on all 10 meter activities or news are welcome and solicited. All copy submitted should be typed, using 8 1/2 X 11 plain white paper, double spaced. If dot matrix printer is used type should be 12 point if possible. Photographs, when submitted, should be black and white (color photographs may be submitted but will result in very dark copy). Include complete information on subject matter, call signs, names, 10-10 numbers, chapter names, etc. Type information on label and stick label to back of photo or number photo and type information on separate sheet of paper referencing such number. Do not write on back of photo. Photos should be 4 X 5 if possible. Include telephone number if additional information is necessary.

## 10-10 INTERNATIONAL NET CONTROL STATIONS

|           |          |        |            |          |
|-----------|----------|--------|------------|----------|
| Monday    | Dick     | W6ANK  | 28.800 MHz | 1800 UCT |
| Alternate | Lovergne | KD6JC  | 28.775     | 1800 UCT |
| Tuesday   | Al       | W6RNX  | 28.800     | 1800 UCT |
| Wednesday | Louise   | N6ELK  | 28.800     | 1800 UCT |
| Thursday  | Bill     | WB6OMH | 28.800     | 1800 UCT |
| Friday    | Sherm    | K6PTF  | 28.800     | 1800 UCT |
| Saturday  | Nat      | 8P6SA  | 28.800     | 1800 UCT |

## AWARDS MANAGERS

|                |                 |        |
|----------------|-----------------|--------|
| 100-900 Bars   | Wayne Childress | AA7AO  |
| 1000 bar up    | Andy Anderson   | N5CUQ  |
| VP Awards      | Hiram E. Wolf   | W4NWP  |
| Continents Awd | Chuck Imsande   | W6YLJ  |
| WAS Award      | Susan Brackeen  | KA1CAD |
| Countries Awd  | Alan Sherman    | K1AS   |
| Lucky 13 Award | Wayne Childress | AA7AO  |

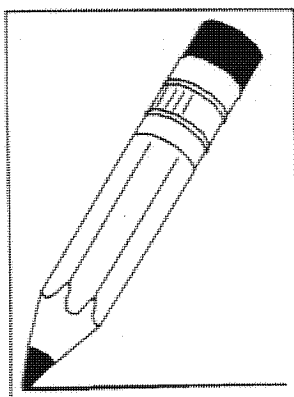
## 10-10 SCHOLARSHIP FUND DONORS

Mel Sojka

# EDITORIAL

\*\*\*\*\*

Well the first issue is behind me. 99% of the response was very favorable. One response from an XYL in California was very unfavorable. There were a few mistakes in the issue for a variety of reasons. I would like to take just a little space to help those who supply copy to understand how errors will happen, and also let you understand why things are like what they are.



Some photographs appear very dark. In some cases that is because the photograph is a color print. We really need black and white if possible. The type of paper we print on also is a problem in getting good photographs. And in some cases the photographs are dark to start with. Send us whatever you have but keep in mind we need light photos and black and white if possible. We will work it out eventually.

Send in good copy. In one case, Hugh's copy was so light, and on a dot matrix printer, even with a magnifying glass I had messed it up. Another reason for that is I wasn't familiar with some of his abbreviations. Hugh and I will work that out but others sending in text try not to abbreviate and give my poor old eyes a break by putting in a good ribbon and use good size type and double spaced if possible. We will retype here. The chances of errors increase but the result is a uniform, nice looking copy. At least that's the plan.

Get your copy in by the deadline. I'm not going to chase you for copy. The next issue is already being laid out. The last issue was totally finished and ready

for printing when about eight pages of late copy came in. We got most of it in but it had to be done in just a few days and the cost was a lot of mistakes and contents not set up very well. Ah the joys of being an editor. Incidentally, it got so bad I figured I didn't need this pressure and quit as editor after the first issue was done, but Norm and Hugh and others ganged up on me so here I am again.

Your letters are really important, they help me understand where you want YOUR publication to go. Its because of Tom Butler, John Miller, Don Ramras, Ken Covey, and others who took the time to write and give words of encouragement that I felt obligated to push a little further.

This issue moves a little further along the directions I hope we can take the magazine. The print is now the size of most magazines (although some of you expressed a liking to the larger type) and in the three column format. We have tried to start an equipment section that relates to ten meters which will deal with software, hardware, antennas, etc. As we get into it further I'm hoping the real technical types will come out of the woodwork and help in evaluating equipment. At that time we'll call it a technical session, but not yet.

I hope to have more in the issue on satellites and computers as they relate to ten meters. We also hope to have more "short" news items also relating to ten meters. Generally I won't put much in regarding "general" ham activities but there will be exceptions. For instance I will mention things like the no code license and the future hams in space, but, it will be only that, a mentioning, unless it specifically covers ten meters. If you have different thoughts let me know.

This issue will hopefully start to organize itself into sections. If you see one you can help with or add something too please submit some input. We may not use it right off but we will keep in on file and try to use all copy as we can and as it fits in the magazine. Remember

we may do some extensive editing, which may not necessarily improve it, but we try!!!

I hope to be able to use this column to address more important issues and get some of you thinking and working out there but for now I need to explain what is happening and why. And to solicit your input so that this magazine will eventually be the voice of ten meters.

There are just two issues I'd like to address. One is that 10-10 members, and that means anyone with a 10-10 number whether active or not, are viewed as a group. In the DX section we address a problem of responding to DX contacts and in particular QSL Managers. Dave Miller, QSL Manager for Pitcairn Island, has been kind enough to share the problems of such a position and allow us to reflect on how well we as a group stack up to others. We don't stack up well. This may be because of less experienced amateurs on ten meter phone bands then on other bands.

Which also brings up the issue of novices and newer members to ham radio. Your input is important too. Send in your thoughts and ideas, and complaints.

The other issue I'd like to address is that of having an emergency frequency for mobile operation. That will be addressed in the news section. There is such a frequency on 20 meters and maybe ten should have such a frequency which would help organize and use the ten meter band. Read the item and give it some thought.

With that I'd once more like to thank all those who have helped and encouraged. I would also like to thank all those who struggled with errors and gave me the benefit of the doubt. Your courtesy and understanding are appreciated.

Please bear with me and help. Hopefully the errors will be less in this issue and better over time.

73 Frank L. Hicks Jr., Editor

# 10 METER NEWS \*\*\*\*

**MOBILE CALLING FREQUENCY:** It has been suggested by Chuck Imsande, W6YLJ, that ten meters needs a Mobile Calling Frequency. 20 Meters has such a calling frequency at 14.336 used by

the emergency and country hunter group. Chuck suggests that "Since the county hunters are now offering a five-band certificate, they have been using 28.336 as a 10 meter frequency. I would like to propose that 10 meter mobiles monitor 28.336 and after contact move to another frequency for rag-chews. It could be used as an 'emergency frequency' for road problems or disasters. This is the way the 20 Meter Emergency and County Hunters Net operates."

Chuck does a 10-10 column for WorldRadio. In September he talks about Andy Anderson, the 1000 Bars Manager. Chuck has a very interesting suggestion. Ten meter mobile is a great way to get more use on ten meters. Lets hear your comments. Better yet, lets start using 28.336 as a mobile frequency.

**FCC NABS NY TAXI CABS:** Thanks to all of you who were willing to get involved in the taxi cab issue, where taxi cabs in New York were using ten meter transceivers for commercial applications, the results were great. Chuck Imsande, W6YLJ, received the following letter from Richard M. Smith, Chief, Field Operations Bureau of the FCC.

"The FCC shares your concern about illegal radio transmissions among taxi cab and for-hire vehicle drivers in New York City. The New York office staff has received approximately 500 complaints alleging illegal radio operation by area for-hire operators. In response to these complaints, that office initiated a cooperative project with the City of New

York Taxi and Limousine Commission to reduce illegal operations on the airways. Staff conducted remote and on-site monitoring to locate and shut down illegal operations.

On-site investigations and inspections have also been conducted at John F. Kennedy and Laguardia Airports. A recent effort with Yellow Medallion Taxi Company resulted in the shut-down of 15 illegal stations. The New York staff will continue an ongoing program to reduce the number of illegal operations in the for-hire service.

Any specific information that you may have about identity of illegal operators should be forwarded to our office which is located at FCC, 201 Varick St, NY, NY 10014-4870, Tel. (212) 620-3437."

**NARTE CERTS AVAILABLE TO HAMS:** Class IV certifications will be granted by NARTE to Advanced and Extra Class Amateurs. This is a means to be recognized in the commercial field as a result of your amateur training. Contact NARTE at P.O. Box 15029, Salem, OR 97309.

**NO CODE LICENSE:** ARRL Board of Directors have approved recommendation of No Code License. Privileges will be 220 MHz and up. The suggested title for this new class of license is Communicator. It is interesting that this is the same name used for the 1974 FCC proposal for a codeless license.

**KENWOOD CUSTOMER HOT LINE:** Kenwood is trying an electronic bulletin board. It is mainly for new product announcements and Kenwood customer support, not just ham line gear but other product lines as well. Call at (213) 761-8284, 300/1200/2400--8 bits, 1 stop bit, no parity. Comments heard so far is that only the 300 was working and the best time to call was after normal hours. Kenwood is just testing this approach and had not dedicated a line at time of

writing. During the day you could find it busy or it could pickup but the BBS won't answer, resulting in a long distance call without getting through. Some of that may be resolved by the time you read this.

**FCC FINES IN NY:** FCC in NY has other problems besides NY taxis cabs. They issued a fine to K2LPK for allegedly broadcasting music illegally.

**10 METERS SOUNDS LIKE CB:** In the opinion of at least some people the "Roger Beep" of the Uniden HR2510's makes the 10 meter band sound more like CB than ham radio. According to one source it only adds QRM to the band. The source suggest it be turned off. Comments???

**USSR LAUNCH DELAY:** So much for reliable Russian sources. If you have been listening for the RS 12/13 satellites you can relax. Although the units are ready for launch it has been delayed until 1990. It seems the main payload is not needed in space yet. That main payload is a civilian navigational satellite on which these will ride piggy-back.

**HAM SATELLITES:** There are five ham satellites due to be launched in November. PACSAT, LUSAT, DOVE, UoSAT D, and E. JAS-2 is due to go up in January.

UoSATs D and E, which after launch and separation from the launcher will probably become UoSAT-OSCAR 14 and 15, both have the same mechanical structure, weight and dimensions. They will be the first microsattellites separated from the ASAP - followed by the four Microsats, which from then on will be known as OSCARs 16, 17, 18, and 19.

**HAM LICENSE FEES MAY GO UP:** It has been recommended that new, renewal, and modified amateur licenses carry a \$30 price tag. This would also be



true for DX stations looking for a reciprocal permit.

**PIRATES ON TEN METERS:** Some sources feel the unlicensed activity on ten meters has increased as a result of the Uniden's and Radio Shacks sale of relatively cheap SSB rigs. Although most feel that there are no more bootleggers today than there ever were most agree that 10 meter CW has a lot of Spanish speaking pirates in the southern California area.

**HAM ASTRONAUT TO TALK FROM SPACE:** Although not 10 meter news, note that Ron Parise, WA4SIR, ASTRO-1 crew, will be carrying an SAREX-2 on the Columbia Astro-1 mission due to lift off on April 26, 1990. It will be the same Motorola HT used in the past but this time with the inclusion of a packet radio TNC with some interesting features. He will be engaging in normal FM voice operation as well as packet QSO's with hams on the ground. Some other interesting modes includes a meta-beacon which will allow loading text messages of up to 1800 characters. This will allow the crew to compose mission status or SAREX scheduling messages for repeated downlink. A robot mode will also be available so that ground stations may connect with and receive a reply from the SAREX even when the crew is not available to engage in realtime QSO's.

Times and frequencies should be available soon. As a quick look of the past, the first amateur radio activity from the Space Shuttle was in 1981 by Owen Garriott (W5LFL). He carried a Motorola 2 meter HT aboard the Columbia on the Spacelab 1 flight (STS-9). He worked only FM voice.

Next was 1985, Tony England (W0ORE) carried SAREX (Shuttle Amateur Radio Experiment) on the Spacelab 2 flight. SAREX consisted of that same HT but this time with a Robot SSTV converter. Tony engaged in 2-way slow scan TV QSO's with people on the ground in addition to voice of course. There were actually two hams on that flight. John Bartoe, W4NYZ was also a

member of the crew.

**10 METER QSO PARTY:** Calumet Area Radio Enthusiasts ran a single op contest on September 23-24. Ten Ten numbers were worth a point for each contact with Steel City numbers being a multiplier. For those of you who worked the contest send a cover sheet containing name, call sign, ten-ten number, expiration date, chapter assignment, total contacts and total points to Glenn Yerby, ND9Y, 11023 Ave. D, Chicago, IL 60617 no later than October 24th. Dupe sheet needed if over 300 contacts.

**HANDI-HAM CALLING FREQUENCIES:** Handi-Hams, an organization that helps people with handi-caps or problems of various sorts to get their Ham ticket and get on and stay on the air. The following two frequencies have been established on the ten meter band as calling frequencies for handi-hams. CW frequency is 28112 and SSB frequency is 28390.

Of course these are suggested calling frequencies and anyone can use them but it is a chance for all of us to work with the handi-hams. Maybe you should send out a CQ on one of these frequencies for "CQ HANDI-HAMS".

**MORSE CODE OUT ON SHIPS:** With all the talk about codeless ham licenses it might be worth while to note that the Maritime Services International is planning the demise of morse code on ships. By 1999 ships worldwide will not require a shipboard morse code radio operator for safety and distress signals. With satellites and maritime telex morse code operators will be eliminated entirely. Morse code is dying.

**BALLOON LAUNCH:** A 12 foot weather balloon was scheduled for launch with burst at about 100,000 feet. A ten meter transmitter operating at 28.866 MHz at 0.25 watts will provide identification and telemetry data on CW at 7 wpm. Trans missions will be repeated at 2 minute intervals.

**SOFTWARE FOR SATELLITES:** John M. Logajan, has source code for use on Atari ST computer. It reads the element

file, as is, and simultaneously tracks all the satellites on a world map. It is a very pretty display. It can update the positions of 100 satellites in about 6 seconds.

The program is in GFA basic (2.0). Program should be available real soon in comp.sources.atari.st or he will provide the sources for the asking (7600 Boone Ave, Brooklyn Park, MN 55428).

**HPM MEMORIAL AWARD TO 10-10 MEMBER:**

Kevin D. Biekert, KB5AQV, 10X #43107, of Clear Lake City, Texas, won the highest award given by the ARRL to a young person for participation in Amateur Radio, the Hiram Percy Maxim Memorial Award.

The Hiram Percy Maxim Memorial Award is given annually by the American Radio Relay League to the person under the age of 21 who best exemplifies the ideals of Amateur Radio: service, communication, and experimentation. First licensed in 1987, Kevin is now 17 years old and holds an Amateur Extra Class ticket.

Kevin's role in founding the Clear Lake Amateur Radio Club (CLARC) is just part of his accomplishments that caught ARRL's attention.

**FREE RUSSIAN PHRASES BOOKLET NOT FREE:**

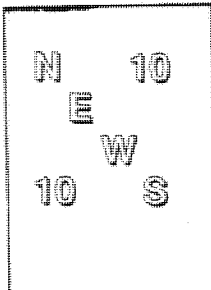
Be aware that although a 20-page syllabus has been offered "free" it is not! Len Traubman, W6HJK compiled this syllabus to help amateurs communicate with Russian speaking amateurs. The booklet is said to provide English words and phrases for QSOs, accompanied by the Russian translation and the English transliteration. The problem is that when you write in for the "free" copy they are out and there is a charge now for the free copy. Buyer beware.

**CANADA AND USA CALL FOR HAM DAY:** Most of the USA had hams in malls, parks, and anywhere else that they could expose what ham radio was all about to the public. Canada did much the same. In the Toronto area VE3CNE was on ten meters demonstrating what it was all about. They were transmitting from an exhibit in the Arts and Crafts building of the Canadian National Exhibition.

# 10-10 NEWS \*\*\*\*\*

## MILWAUKEE CONVENTION:

The big story of the convention in August is covered in a special story following the President's forum. Photo's are included, so if you were there be sure to look for yourself.



## 10TH DISTRICT MANAGER HAS HEART ATTACK:

Alice Hathway, NODES, the 10th District Manager for 10-10 suffered a serious heart attack, followed by a stroke. Serious complications have followed forcing her to turn over the reins to Judy Long, WD0DHH. The Board of Directors have approved this change on a permanent basis.

Gail Hathway, NJ0P, has offered the following open letter to the 10-10 family.

It has been a little over five weeks since Alice had a heart attack followed by a stroke which left her blind, paralyzed in her left arm and needing to be fed with a tube.

I'm happy to report at this date that she has started to see but with a great deal of effort to focus her eyes on a given object. The doctors believed she would be permanently blind. There has been no come-back of the left arm yet but the right arm is showing improvement. Legs are working okay outside of being quite weak. With therapy I think she will walk again. They have removed the feeding tube from her nose and today she had her first meal by mouth, wasn't a steak but she said it sure tasted good. Alice still must have oxygen all the time but hoping that will come off before too long. It's going to be a long road back but she is tough and determined. At this opportunity I wish to thank the many, many friends for your cards and inquires on the air and believe me she remembers you all.

**10-10 SCHOLARSHIPS AWARDED:** On the 9th of August, The Foundation for Amateur Radio awarded 31 awards. The two 10-10 International Net Scholarship Winners were Patrick W. Jungwirth, WG6L of Visalia, CA and Lesley D. Walker, N4FTJ of Cullman, AL.

Patrick will be attending his senior year studying electronic engineering at

California Polytechnic State University at San Luis Obispo. His academic record is excellent with a good cross-section of school and community involvement. He was recommended by Sheridan Harris, WA6IOO - #3696.

Lesley has been accepted at the University of Alabama in Huntsville where he plans to study Electrical Engineering. His mother and father are both licensed. They operate a poultry farm. He is an excellent student with a very high degree of need. His sponsor was Herman Hardner, N4TUN - #49922.

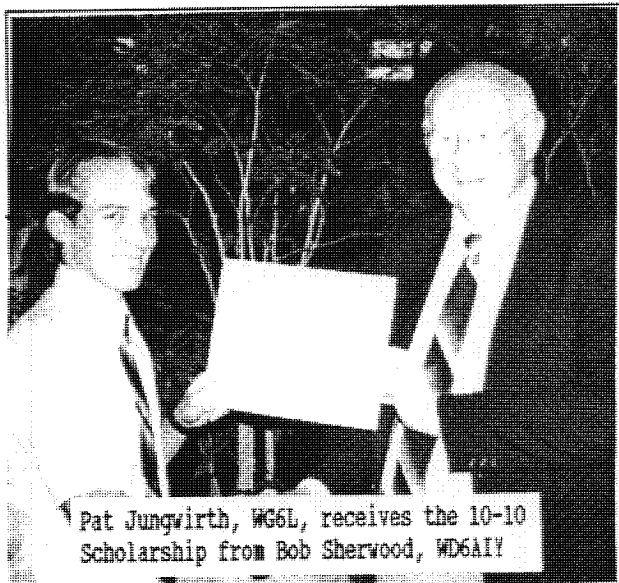
Each recipient received a check for \$750 towards their college expenses.

**1990 ELECTIONS:** The nominating committee for the 1990 election of officers and board of director members has been appointed.

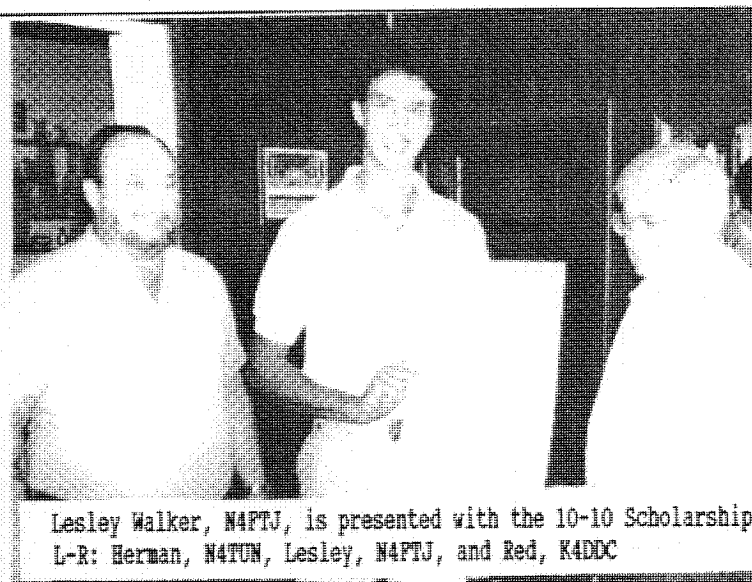
The committee consists of: K4CIH, Chairman, KA4HOY, KA4UEM, K8DHK, KOJPW, KE4QO and K4DDC.

This committee will be selecting a slate for the officers of President, Vice President, Recording Secretary, Treasurer and 10 members for the Board of Directors. The selections by the committee will be announced in the 10-10 News, second issue, 1990.

Those persons who have contacted



Pat Jungwirth, WG6L, receives the 10-10 Scholarship from Bob Sherwood, WD6AIY



Lesley Walker, N4FTJ, is presented with the 10-10 Scholarship L-R: Herman, N4TUN, Lesley, N4FTJ, and Red, K4DDC

K4CIH and made known their desire to be nominated for a position, must be sure they have a letter of intent and a short biography sent to K4CIH.

According to the bylaws, ballots will be mailed to each full member during the first week in June, 1990. Polls will close August 31, 1990.

Suggested reading is Article IX of the bylaws. If you have any questions please contact K4CIH.

**10-10 ROSTER ADDENDUM:** If you want to keep up on the new 10-10 members and there QTH you should sign up for the 10-10 Roster Addendum which is available for \$1.00 per quarter. Send your order into J.C. Cochran, W3FQN, 4221 Harcourt Road, Baltimore, MD 21214.

**10-10 CERTIFICATE GUIDE:** It is often hard to keep up on what certificates are

being offered and how to cash in on them. The 10-10 Certificate Guide will solve the problem. The basic guide is \$5.00 US and \$6.00 DX. Monthly updates are \$1.00 US and \$1.50 DX. They can be order from Jim Beswick, W4YHF, 112 Owitown Farm, Ellijay, GA 30540.

**10-10 DUES WILL NOT INCREASE:** Good news. It was voted that 10-10 dues will not increase in 1990 as was originally announced. Although they will stay the same they will probably increase in 1991.

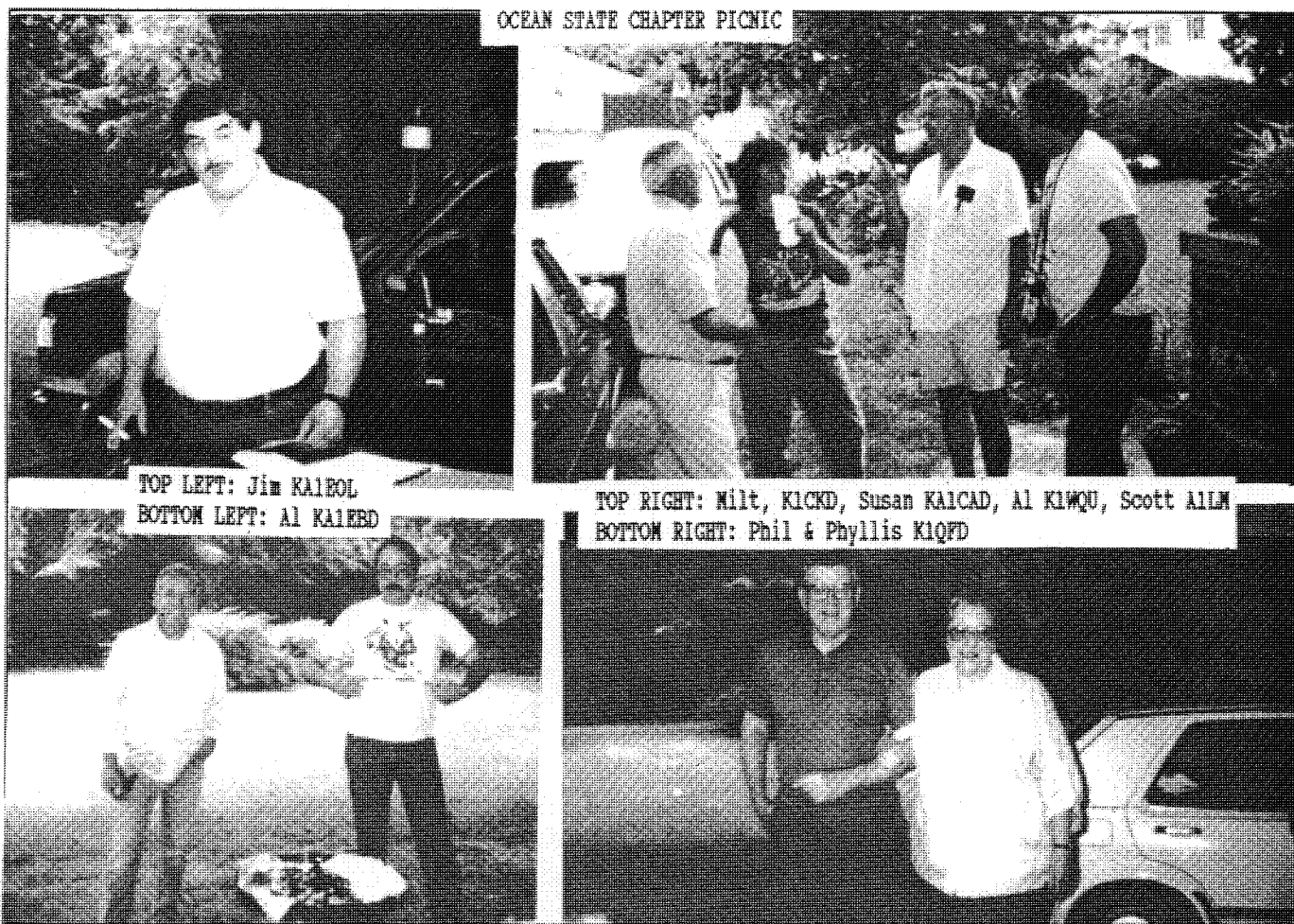
**10-10 NETS GET GOOD REVIEW:** A prospect ham was complaining that he was not going to continue studying because after listening to the garbage he heard on the ham bands he felt it wasn't worth the time and money. In defense of the ham bands, one person suggested he listen to the Century Club and the 10-10

Nets for good net operations and "fun" ham radio.

**10-10 NET OPERATIONS:** For June, July and August the total checkins for the 10-10 Net ranged from about a dozen to two dozen checkins.

**FLORIDA CALLING FREQUENCY:** If you're down Florida way, especially near the Suncoast Chapter group keep in mind the calling frequency of 28.427. They say they'll show you some of that great southern hospitality.

**JUDY LONG NEW MANAGER:** Welcome to Judy, W00DHH as new 10th District Manager. Already she is going after correction to the problem of late or no delivery of 10-10 News. Nice going Judy, keep after them!



OCEAN STATE CHAPTER PICNIC

TOP LEFT: Jim KALEOL  
BOTTOM LEFT: Al KALEBD

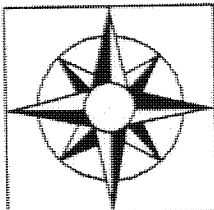
TOP RIGHT: Milt, K1CKD, Susan K1CAD, Al K1WQU, Scott A1LM  
BOTTOM RIGHT: Phil & Phyllis K1QFD

# DX \*\*\*\*\* DX \*\*\*\*\* DX \*\*\*\*\*

## NEW PACIFIC PREFIX:

The ITU has allocated the call sign prefix V6 to the Federated States of Micronesia, formally one of the users of the KC6 prefix. Amateur stations will use call signs V63AA through V63ZZ.

The call sign prefix V7 has been allocated to the Republic of the Marshall Islands, formerly KX6. Amateur stations will use call signs V73AA through V73ZZ.



## CONFESSIONS OF A QSL MANAGER:

I've been QSL manager for Meralda Warren VR6MW (#50434) for 1 1/2 years. A very satisfying experience. Many folks write very nice notes and really seem to appreciate the efforts of volunteer QSL managers (which is very time consuming).

It's important for some areas of the world to have a QSL manager, Pitcairn being one of those, because they are NOT serviced by any QSL Bureau. Additionally, Pitcairn Island is quite remote and receives mail delivery only two or three times each YEAR!

We clear Meralda's QSL cards over the radio 2 to 3 times each week, so the turn-around time is very fast when compared to any other route. All we ask, in fact, all that any QSL manager asks, is that those stations wanting a QSL card from Pitcairn, please enclose a SASE (self-addressed stamped-envelope). On a day-to-day basis, 99 out of 100 QSL cards that we receive for Meralda will have a SASE enclosed (I was surprised at the high percentage when I first began).

When Meralda operates the 10-10 QSO Party, however, the rate drops to 50/50. Half the cards have no return postage with them. When one figures that we handle HUNDREDS of cards each year, imagine the postage costs to the manager if you were to expect HIM

to pay for postage on a card that he is sending as a favor to YOU!

We don't ask for "green stamps", only the return postage for YOUR card from the DX station. Please, always remember to include a SASE when QSL'ing via a manager. We perform a voluntary service for your convenience.

*Editor's Note: Dave Miller, NZ9E, offers some very interesting insights to 10-10 members and the way they are viewed as a group by the DX community. Members take note!!*

YO6VZ NOT YO6FG: "Sandy" Chelement

10-10, IDXF, IARS/CHC, DIG, AG-CW-DL, YODXC, SPDXC, YLSSB, and NCDXF.

If all that isn't enough, Sandy has 393 awards at YO TOP and is member 3.

**LONDONERS GET FINED:** Five Londoners were convicted of violating the 1949 Wireless telegraphy Act. They were fined nearly L8,000 plus court costs and over L10,000 worth of radio equipment taken. Their crimes included "listening to various frequencies, inciting others to listen"...etc.

**QSL MANAGER SERVER ON AIR:** For you DXers with packet radio, a "server" is on-line at the W1NY PBBS. This server keeps a database of stations, their QSL managers and information requests. You can submit a request to the server for a particular station's QSL manager. If the server has the information, you will get the information right away. If the server does not have the information you request, it will store your request and send you a message when the information becomes available.

You can also use the server to find out what QSL routes are being requested and you may update the database.

To get help on the server, send a message to QSLMGR @ W1NY. The subject of your message will be ignored by the server. Put the word help as the only word in the body of your message. If you would like to see a few samples of input to the server, send a message to the server with the word sample as the only word in the body of the message.

If you have any questions about the server, please contact Bob Laffleur, NQ1C @ W1NY.

A Visit by Tom, From USSR  
L-R: Dave KA5OVQ, Tom RA6AR, Pete KC1CP



of Romania was kind enough to share with us some facts about himself and also facts about 10-10 International News.

First, we goofed and showed his call as YO6FG not YO6VZ which it should have been. Our appology Sandy. I tried to find the photo to reprint with the correct call sign but cannot locate it.

Now, about Sandy. He is an International Master of Sport in Romania and an Extra Class License holder. Sandy has 5BDXCC. He has 225 countries for DXCC. Memberships include



**10 METER HF PACKET RADIO:** According to the HF band plan for IARU Region 1 (Africa, Europe, the Middle East, Mongolia and the USSR), the ten meter will have a subband of 28.120-28.150 for packet radio.

**V31EY IN BELIZE:** Byron Blake, V31EY (KA1IL/8 10X #50008) operated in Belize from 16 July to 6 August. "The experience was most rewarding, in fact, over 1000 contacts. While in Belize I became a member of the Belize Amateur Radio Club.

Belize are interested in DX only and are not interested in 10-10 numbers nor in becoming 10-10 members. In fact, they ask us not to give or ask for 10-10 numbers unless they ask or give such a number. Bands change too quickly and they don't want to waste time. 10-10 numbers are not wanted by them in most cases, be considerate.

Belize is a relatively difficult place to live in, even if for only a week or so. There are dangerous snakes, malaria, and many places have little or no water.

QSL information is as follows: The V31 bureau in Belize is out of order. BARC looks forward to reinstating it but it will be awhile.

For V31EY (Byron) send QSLs direct to KA1ILI, 1690 Saunders Drive, Wooster, Ohio 44691, or via callbook address in CT. It would be appropriate to include SASE or IRCs as applicable.

For all other V31s you must QSL direct or to the stations secondary call. Do not use the V31 Bureau.

Byron is planning a spring trip to FP St. Pierre, so listen for him.

**UK CALL SIGNS:** The latest call signs

issued in UK land are G0MH and G7FR.

**G PREFIX NUMBER INFORMATION:** Many are confused by the British prefix call signs. GD/GJ/GU are not part of UK.

There are two classes of British amateur licenses. The class "A" is a full license, and requires written exam and 12 wpm code test. The class "B" requires only a written exam, no code, but operation only above 30 MHz.

All UK call signs with G1/G6/G7/G\* plus 3 letters are class "B". All others are Class "A". G0 is issued with three letters. G2/G3/G4 can have both two and three letters. G5/G6/G8 use two letters. G5 with three letters have always been for reciprocal licenses. G6 with three letters and a /T are ATV licenses. G9 are not amateur licenses. GB are used for beacons, repeaters etc. GD/GI/GJ/GM/GU/GW prefixes apply the same rules (GC was split into GJ and GU some time ago).

If you have got use to the G prefix be prepared for an M. When the G's are gone British Amateurs will have a prefix of M.

Still confused? Sorry about that.

**QSL INFORMATION:** If you were lucky enough to hear some of these DX stations this may help in getting a QSL. ZB2/HB0DCQ/P go to home callsign.

5H3NL QSL mgr I4ULG

5Z4BH via KE3A

SV0EK to home N1DSC

HV3SJ to I0AOF

UW0CN Box 1273, Khabarovsk 680051

N2HNQ/KH8 via JH4IFF

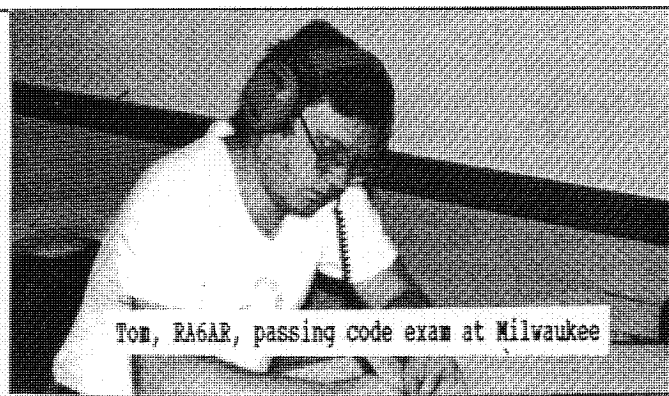
**FUTURE DX:** Marion Islan, Peter ZS8MI

has been heard on 28650. Corsica, FB1MUX signing TK2 was to be on 28480 and 28060. QSL home address. Bouvet Island is to be visited around Christmas time. Banaba, Ocean Island, will be visited by Eric, SM0AGD as T33AG late this year. South Sandwich Island may have a CX attempt and a W4 the end of this year or first of 1990. November may see St. Eustatius as PJ5EUX in a salute to the USA flag. Should happen around November 16th since that is when it happened in 1776. Mongolia, RA0AD will be active the rest of this year on CW.

Lesotho, 7P8EL should be active for sometime in the future. Look around 28488 at 1600z. QSL to P.O. Box 521, Maseru, Lesotho. Western Carolines has had a Japanese operation but will end by time of publication. Egypt, Sally, SU1SR, 15 year old daughter of SU1ER is active on ten. Use simple english. Should you hear HS1A say hello, its the King of Thailand. To celebrate 20th anniversary of the Singapore amateur radio society and the Seonet convention to be held November 17-19, amateur stations may use an optional 9V0 prefix through November 30th. During the Seonet meeting 9V0SEA will operate on HF bands. Conway, Minerva Reef is scheduled for operation through November by OH1RY. Wake Island should see AH2BE to KH9 land. Date not known. Will be active on ten. QSL via Joanie, KA6V/7. Marion Island, ZS8MI may still be found on 28410, 28390 and 28050 from 1000 to 1300z. Iraq. The only legal calls in YI are ordinary call YI1BGD and special calls YI10BGD, YI0BIF, YI0ACC, YI0AD, YI0VP, YI0SW and YI4SC. All others are illegal. Personal calls may be coming soon.



Tom RA6AR and Joe WA9TSG at Milwaukee



Tom, RA6AR, passing code exam at Milwaukee

# THE PRESIDENT'S FORUM \*\*\*\*

by Norman Lefcourt

The Milwaukee convention has at last taken place; what a great time we all had! It was a huge success. There were no complaints about the rooms, food or forums. The fellowship, list exchange, BS and eyeball meeting were all exciting and pleasurable. There was too little time. I'm sorry that some problems cut into my not having more time to socialize with everyone. The only thing that fell a little short was the Flea Market setup. The next convention might not have a Flea Market; lets hear from you attendees about the next one. We will learn from each event.

We can look forward and plan to put

*....We must associate ourselves with as many other conventions as possible.....*

on our own convention. The way I see it, our 10-10 convention will attract the active 10-10 members. But we must associate ourselves with as many other conventions as possible and put on 10-10 forums, to attract those who are not yet active on 10 meters, introduce them to 10 meters and 10-10 activities. An example: at the ARRL convention in Dallas, we were set up with two forum opportunities, thanks to Rep of Texas and Hamcom. We also were given forum time at the ARRL convention in Los Angeles, thanks to Jim, W6PGM, and Wescon-89. If we neglect the new 10-10'ers, we will not grow, now will we get new attendees at the future 10-10 conventions. I believe that the forum route is probably the best way for us to go. Think about it! Send your comments to me.

The FCC has begun following up on the New York Taxi cab problem on 10 meters. Our editor, Frank, has reproduced a letter from the FCC in this 10-10 News.

*...FCC cited and found that a LICENSED amateur supplied NY Taxi cabs with Equipment.....*

The commission received about 500 letters of complaint. I have no way of knowing how many are from our members, but I believe this is an example of what we can do if we all get together to protect our combined interests. I've been told that the FCC cited and found that a LICENSED amateur operator supplied them with equipment. Too bad I can't put, in writing, what I wish for that guy. I will try to get more information for next time.

At Milwaukee we had the very first Board of Directors meeting ever to be held outside of Southern California. All officers and Directors present were very proud to be part of our "march forward." 10-10 International will be a member-represented international organization. The minutes of the meeting are elsewhere in this issue.

Tom, K4CIH, volunteered to head up and form a nominating committee. Gary, K5HGL, volunteered the Republic of Texas chapter to tally and record the votes of 10-10's 1990 election of Officers and Directors. The Board accepted both volunteers. We know they will do a very good job.

**GOOD NEWS:** Gerry, WA6POZ, requested that the increase in dues due January 1, 1990, be rescinded. The Board voted to delay the increase to

January 1, 1991. We will reevaluate that need during 1990.

**BAD NEWS:** Alice Hathaway, NODES, our 10th District Manager, has had a heart attack and stroke. Her OM, Gail, NJ0P, has asked us to replace her. She is not able to handle the job during recovery and therapy.

**GOOD NEWS:** Gail Hathaway found us a new volunteer for the 10th District Manager position. The Board approved Judy, WD0DHH, as the 10th District Manager. Her address, etc. can be found on page 31.

The Foundation for Amateur Radio, has selected the 1989 scholarship winners. The two 10-10 winners are Pat, WG6L, in Visalia, CA; and Lesley, N4FTJ, in Cullman, AL. Pictures and information can be found elsewhere in this 10-10 News.

The 10-10 Scholarship Fund has not been doing too well. Please remember that you can donate to the fund by sending any amount directly to our treasurer. Mark it for the Scholarship Fund. You may also make a scholarship donation in your will.

*...my loving wife and companion of 38 years passed away on Sept 13*

It is with great personal sorrow that I have to report that, Dorothy, my loving wife and companion of 38 years passed away on September 13th.

Norman Lefcourt, W6IRT,  
President

# MILWAUKEE CONVENTION

CONVENTION '89 IS HISTORY: by Joe Williams, WA9TSG.

Another event of 10-10 is but a memory. The Second Biennial Convention held here in Milwaukee Wisconsin, August 11th was a great success, and all who attended, enjoyed it tremendously.

In all, over 300 attended the convention, some arriving six days early for the event.

One of the highlights of the convention was the arrival of Tom, RA6AR, from the Soviet Union. It was a thrill to have him with us, and even more of a joy to have him take and pass the license exams, not only passing the novice, but the technician and general as well.

The 10-10 convention was started in 1987 by Mel Sojka, KD5DE, and the Steamboat Chapter. It was held in conjunction with a local area groups activity. The Milwaukee Chapter set out to do two things. First, to put on a convention that every one would be proud of, and second, to prove that 10-10 could have a convention of their own, without the aide of another activity or group. Both were accomplished.

Other special guests included Dave Sumner, K1ZZ, Executive Vice-president of ARRL, and editor of QST Magazine; Richard Perdue, Sales Representative of

the Wisconsin Area; and Bill Higge, from Northwestern Mutual Life Insurance Co.

Eight forums were held throughout the weekend, and they were well attended.

Close to 200 attended the banquet Saturday evening. They say you can tell how much a group is enjoying a meal by the amount of chatter going on. There was very little chatter throughout the whole meal.

Dave Sumner, K1ZZ, gave a wonderful talk on the 75th Anniversary of ARRL, followed by Dick Gregorio, K1RAW, 10-10 #1. The highlight of the evening was the presentation of two awards for contributions to 10-10 International Net Inc. Connie Hauck, K6EXQ, was presented a plaque for her contribution and dedication given by her as 10-10 International Chapter Coordinator, and Mel Sojka, KD5DE, was presented a plaque for his contribution of laying the ground work and putting together the first 10-10 International Convention.

Through the introduction of the Milwaukee Chapter at the banquet, one very important person was not introduced, and I would like to give him recognition now. Roger Giesfeldt, WB9JWJ, joined the Milwaukee Chapter shortly after it started in the early 1970's. He took over as certificate manager in 1977, and is doing a terrific job.

I want to thank all who helped to make the convention a success: Hank, WD9FCQ; Duane, NX9H; George, KA9MXM; Dick, KA9MTY; Bob, N9HWW; and Jerry, N9AVY. Thanks also to the volunteers who worked to keep the convention going smoothly. The Milwaukee Chapter did a fine job of hosting the convention. One and one half years of hard work paid off and we're proud of that fact. Thanks to the speakers who gave very interesting forums, to the organizations who donated prizes. But most of all, a Great Thanks goes out to you, the members of 10-10 International Net Inc. By your participation and attendance, 10-10 had a great convention. See you in 1991.

During the Milwaukee Convention 10-10 held its first meeting under the new 10-10 bylaws. Five of the seven Board Members were present: Norm Lefcourt, President; Morrie Goldman, Vice President; Gerry Gross, Treasurer; Hugh Sullivan, Director; Jim Beswick, Director. Carol Hugentober, K8DHK, acted as Recording Secretary.

First, the Board approved Tom Henderson, K4CIH, as Chairman of the Nominating Committee. He will prepare the ballot for the election.

The Republic of Texas Chapter will count and report ballot results.

WAS VP award was discussed for VE4ROY and Susan and Hiram have been tasked with the assignment of establishing the rules.

Some 10-10 numbers have not been used, basically 200 numbers in the 18,000 and 42,000 blocks. It was agreed they will be issued to new DX members as determined by Carol.

It was adopted that past presidents will be a Board member for two years after succession and also staggered director terms will be used.

A senior life membership was added. Anyone age 65 and over, for a fee of \$35 US and \$40 foreign.

Surplus funds Prompted Board to vote to not increase the dues next year.

A new publication for new members will be available shortly from Chuck, W6YLJ.

QRP awards was discussed but without any resolution at the meeting.

United Nations station 4U1UN, in New York, has been issued a special 10-10 number of 55,555 by the board.

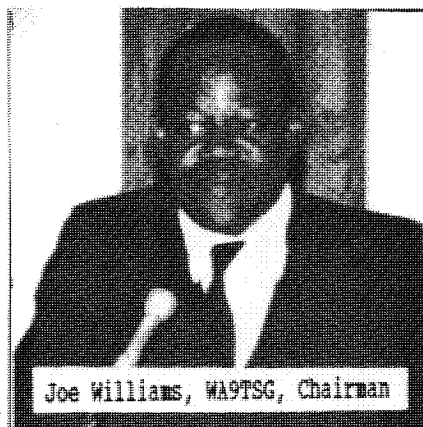
Both the UN and W1AW will be placed in the paid up status and will receive the News in the future.

SWL Awards were rejected.

Double contest points for operating above 28.600 was rejected by the board.

The board approved reimbursement of fare and one night lodging for officers and directors to attend future 10-10 Board meetings.

An open Board of Directors forum was held Sunday morning. A number of members questioned the procedures regarding the election, etc.



Joe Williams, WA9TSG, Chairman

Advance Electronic Applications (AEA); Tom Wrench, Head of A.M.T.O.R. for

CONVENTION BOARD MEETING:





Norm, W6IRT, Tom, RA6AR, Joe WA9TSG



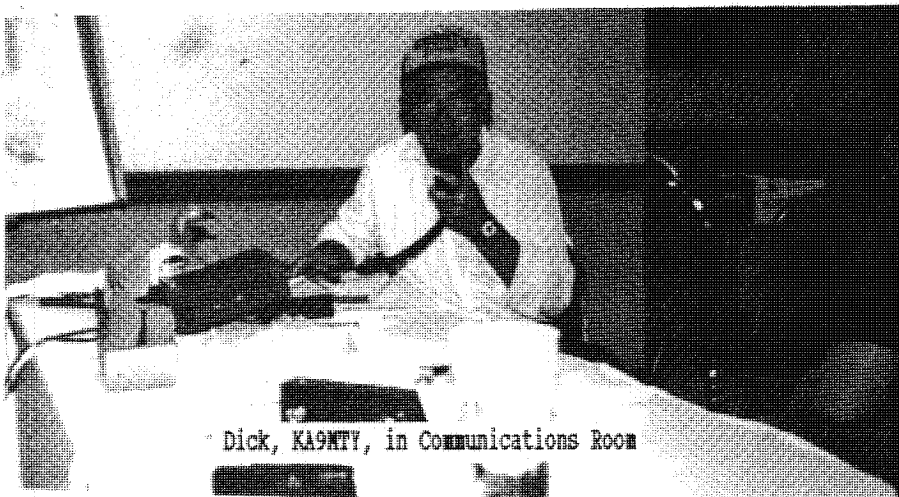
Norm Lefcourt, President, W6IRT



Jim Beswick, W4YHF, MC



Reggie, K1RAM, Jeff N4ILE

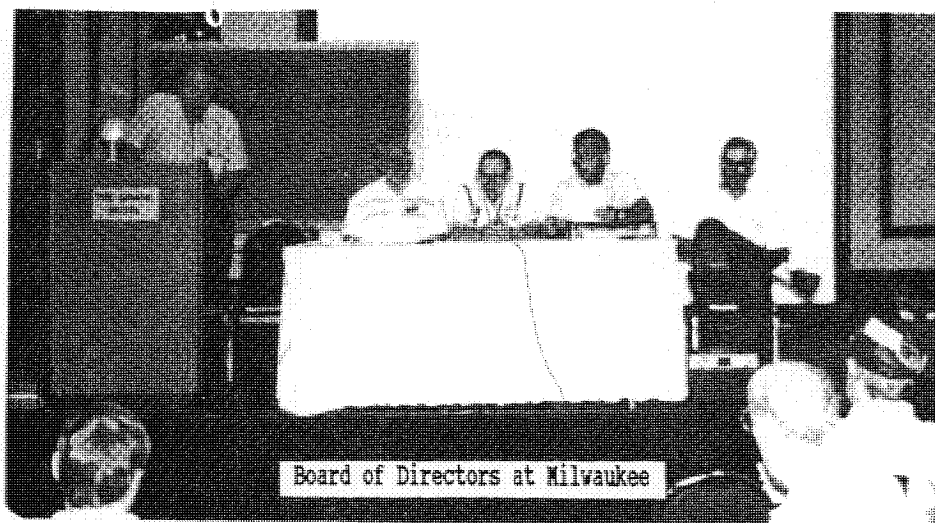


Dick, KA9MTY, in Communications Room



Duane Riel, NX9H, at the Banquet

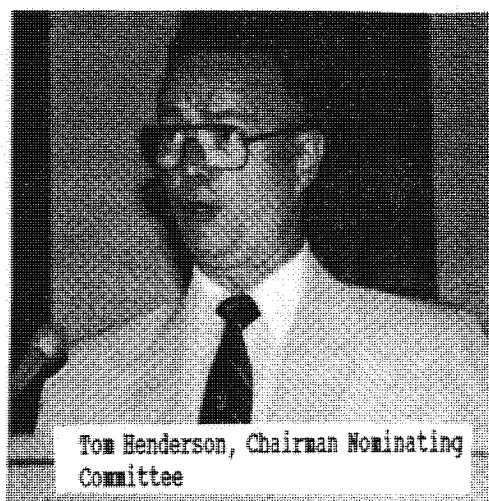




Board of Directors at Milwaukee



Dave Sumner, K1ZZ, Ex-vp of ARRL



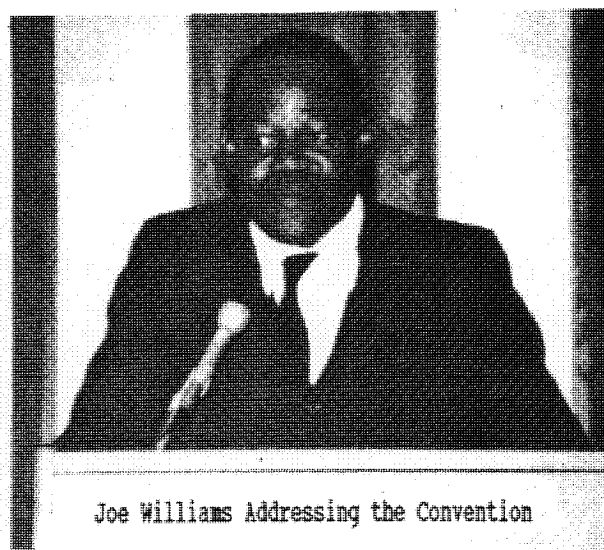
Tom Henderson, Chairman Nominating Committee



Navis N5JVN, Dick KA9ATY, Tom RA6AR, Joe WA9TSG, George KA9MXM



Mel KD5DE, Connie K6EXQ, holding their Awards



Joe Williams Addressing the Convention

# CHAPTER COORDINATOR

by Hugh Sullivan

## MILWAUKEE:

The Second Convention of the 10-10 International Net, Inc. was a homer with the bases loaded. Joe, WA9TSG, and his committee were well-prepared and safely navigated around the omnipresent uncharted shoals. Registration was as smooth as a melting ice cube on a polished silver tray. Approximately 180 attended the Banquet. Well Done and Bravo Zulu. The Grand Prize was a Uniden President won by my YL who says "Tnx" to the Milwaukee Chapter. I crossed wires to the battery (learned what + and - mean) and she will see it for the first time when it gets back from Indianapolis. Beautiful plaques were presented to Mel, KD5DE, for chairing the numero uno convention in Shreveport and Connie, K6EXQ, for her efforts while Chapter Coordinator. Will the next convention be Portland (I've never been to OR) or Baltimore - or somewhere in between? Tune in around 1991 and find out. Better yet, send your bid to W6IRT now if you want to sponsor!

**MILWAUKEE SPECIALS:** Branding Iron, Breakwater, Broken Heart, Brooklyn Bridge, Druid City, Electric City, Great Lakes, Fort McHenry, Iowa Hawkeyes, Kangaroo Kourt, Liars II, Lindbergh, Niantic Bay, Paper Dolls, Prince of Pork, Sky Blue Water, Smoky Hill Trail, South Texas Light Horse Brigade, Robert E. Lee (Steamboat), Texas Longhorns, and White Mountains.

## RENO:

Looks like 52 Paperchasers attended Reno. Having such a good time that N5JQK got married there - talk about an upgrade! Hint to Mike: ur YL wud prefer that u remember the date - not that you were wed at the '89 Reno Convention! Best wishes from all your friends, Mike. Lotta people planning to go next year!

**RENO SPECIALS:** Branding Iron, Busy Bee, City of Roses, Dancing Doll, Electric City, Great Lakes, Kangaroo Kourt, Mother Lode, Niantic Bay, Queens & Kings, Reno Folies and Sky Blue Waters. A new Chapter, Zodiac, was activated and Reno attendees are C's.

## OGRES, GLITCHES AND TYPOS:

My column was retyped by the Editor (first time ever) before printing in the Summer News and there were 23 typos. In Frank's defense, the News was done and had to be hurriedly redone because of late submissions (two weeks for some - get 'em in on time folks). Some of the typos need correcting, either for accuracy or my vanity, as follows: I know the diff between "in" and "en" sure and the proper use of colons, semi-colons and commas: "general" on page 11, col 2, line 28 should be "several"; 6 lines down, the "h" should be "he"; The OM of Aftershock is WA6MVD - not MUD (she says my name is MUD); logs for TN on TEN went to N4RJY not N4RTY; CO Cenn. WAS should be NO WC allowed; MI Robins Mobile "ot" pts should be "ot" pts; SBW new "OM" should be "CM"; Smoky Hill Trail freq is 28.385MHz not 28.335 - need "IQ" not "IO" to qualify - cert is 7 color not just color; Whitehouse "OM" should be "CM"; Zodiac "0000sw" should be "0000zw"; Smoky Hill Chap operated "on" I-70 not "ib"; and I signed "BCNU" not "BONU" (be owing you? - or bone removal?). To KB6AN: Kathy tweaked my ear but I only supplied the photo of JR3RVO and KC1CP - not the caption. On page 7 of the last News, the Tarchang Chapter is Japanese, not Chinese, of course.

## RULES CAN CHANGE:

Multiple Chapters in an area are discouraged but allowed eff 1 Sep 89. The new rule requires a statement explaining why an additional Chapter will benefit the 10-10 organization. "The other guys are nerds" won't do! Welcome aboard to Doll Chasers and Kangaroo Kourt as Authorized Chapters of 10-10.

## QUARTERLY REPORTS:

The following Chapters have not sent any quarterly report forms during 1989 (gotta send at least one per year): Baby Doll, Beaver Valley, Bigfoot, Chief Anderson, Devil's Triangle, Diamond State, Grand Canyon State, Hatfield & McCoy, Iowa River Valley, Lindbergh, Milwaukee, Mohawk Valley, Mont Ventoux, Noars Country, Nor'easter, North Star 49ers, Palmetto, Peninsula Southwest, QRP, Republic of Texas, SHOT, Tango, Trail of Tears, Tulip, White Mountains, Yukon Goldpanners. They will be classed QRT if a report is not filed by 31 Dec 89. Just fill in a few blanks and mail the form. Chapters requesting reauthorization after being classed QRT for failure to report will have to serve a probationary period. This space should have been used to thank the dedicated Chapters who file every quarter but never get recognized.

## NEW NET GUIDE:

Those who attended the Board meeting at Milwaukee voted to use GMT for all nets; same vote at Reno I hear. The revamped Guide s/b in this issue so please check for accuracy. Now if my calendar would automatically change days at 7 PM local.

## OVERLOOKED:

Chapter authorization for Citrus Belt International has been revoked. Two Chapters resulted from the split - Aftershock and Citrus Belt Incorporated. Aftershock is an authorized Chapter.

## CASCADE FALLS:

Or, problems were insurMOUNTable. The Cascade Chapter is QRT eff 31 Aug 89. Enjoyed meeting George, WA7OVP, in Shreveport and tnx for keeping this going for awhile. Certs were nice.

## ELECTIONS:

Tom, K4CIH, was named Chairman of the Nominating Committee for Officer and Director elections next year. He loaded the committee with talent and the ballot

will have many outstanding candidates. Bios of the candidates will be published to help you choose. We will elect a Pres., VP, Sec., Treas. and 10 Directors (5 for 4 yrs and 5 for 2 yrs).

#### LEAD TIME:

My last article was mailed on 15 June for publication around 7 Aug; the next deadline is 15 Sep for publication in Nov(?). My point is that notice of Aug, Sep, Oct and Nov events should have been reported before 15 June. Confused yet? If I don't get 5 months lead time, I can't publish timely. Jim, W4YHF, publishes monthly updates to his certificate Guide so his lead time is only 1-2 months. Both of us need to be informed of all changes.

#### PROPAGATION:

The Channel 10-10 News, an excellent pub, predicts the peak of the present cycle to occur around Sept 1990. That is closer than you think (I think) so make those contacts.

#### WORTH A MENTION:

White Mountains will reorganize the CM job and stay alive per WA1GDR (provided they send in at least one qtrly rpt form for 1989). Castle Craig Chap investigating operation of W1AW (has a 10-10#) on 10. Gateway Held 900th consecutive net on 8/30/89 - that is 17+ years - 18 checkins. Too bad Walter Cronkite, a new novice, didn't have his rig aboard his sailboat or the MAINE-lacs would have qualified him for a 10-10# - wait 'til next year. If you chase paper get Jim's, W4YHF, Official Certificate Guide for \$5 US - \$6 DX. If you expect to be an SK someday, join the Paperchaser's memorial fund - sase +2 to Diane, N8BYN - plaque is nice remembrance for family. Bill Kelchner, KU4W, must like math as Possum Trot checkins = 4 5/8 and 2 3/8 people - glad we don't have to look for some/8 people!

#### WHAT'S NEW:

**BAY AREA** - New CM for Basic and Forty Niner is AA6IY Gene Marshall 4137 Cranford Circle San Jose CA 95124.

**BROOKLYN BRIDGE** (K2HCP - ct prog only) - cert +10 pts ea qtr to person in ea call area and each DX country submitting most ct pts eff 1/1/90.

**BRANDING IRON** (KA5VVD) - XIT Brand(WAS), eff 7/1/89, +25 pts, ClubSta gud for licensed ST only, WCs are FS on Basic or Lone Star, 5 WCs may be used, no dupes, one Special Person (???) must be wrkd, ct must be in ST for which credit is taken - Work holder of WAS for +2 pts.

**BREAKWATER** (N8DCQ) - Starting date to be announced. Milwaukee upgrades have different letter suffixes which will be used to spell Muskegon, Grand Haven, Holland and Saugatuck. Each city (send one or all) = +5. After cities, spell Breakwater for +5. Include call, basic BW#, seal# and letter plus SASE.

**CHATTANOOGA CHOO CHOO** (W4UIQ) - Railway Post Office eff 9/1/89, +25 pts, contact K4JGD (40 yrs with RPO) and get special#, date and # to CM, sase +1FC - Basic and Terminal Sta Certs are now 25 pts to be awarded with upgrade applications.

**CITY OF LIGHTS** W9ZGP (13 yr CH) is new CM as WB9NYC (8 yr CM) is a SK -N9CQO is CH - they check 28.420MHz for Novice and Tech checkins during net on 28.720MHz.

**COLUMBINES OF CO** (WD0DHH) - Range II prog starts at 300 pts - 300, 500 & 1K #s given - WAS +50, 5 WC allowed less 5 pts for ea.

**COLUMBINE YL** (WD0DHH) - CYLC for 1500 pt val - CHALLENGE is ct prog with 1st up for 200 cts, 1st cts in numerical order - K #s for 2000 and 3000 pt value -ups and/or wkshl for sase.

**CRAZY 8** - Annual QSO Party 0000z 11 Nov - 2400z 12 Nov.

**DOWN UNDER** (ZL1KQ) - eff 1/1/90 contact 3 ZL1 Charters, +2 pts, cost = 1 - eff now, + 2pts for ea 100 pts collected from 400 up, cost = 1 to cover postage, no #s or seals just points - eff

now, submit proof of mbrship with ea upgrade (except point ups) for +5 pts.

**FRESNO** - New CM is N6TRR 16770 W. Dakota Ave Kerman CA 93630.

**MANCUNIAM** (G3BSA) - Roman Invasion Cert eff 10 Oct (10-10, right). Another quality cert from G-land - Need 5 Mancunium Emperors or Empresses or IQ wrkd after 10 Oct 89 - has 5 upgrades - Uk=1 lb., US=3.

**OCEAN STATE** (K1QFD) - OS#1000, send date, call, Qth and 10-10# to CM for +5 pts - OS#1010 will be future special.

**OLD DOMINION** (WA4HMX) - The Virginia Campaign, 8 more ups, starts with Bull Run for 2500 pts, 1+2FC - WAS and WAC now available, 1+2FC ea, FS Old Dom. #s are WC on WAS and 5 may be used for neighboring states - QSO Party from 0000 6 Jan 90 to 2400Z 7 Jan 90, suggest sase to CM for contest and up rules.

**PRINCE OF PORK** (KA9SPA) - Eff 10/15 Crossword Puzzle will hold 100 suffixes in specific locations, +1 for each suffix but submit in groups of 20, first 10 to submit 20 & 40 & 60 etc. receive bonus points, other bonus pts also, sase to John and, as I said "take my advise - I'm not going to use it".

**SKY BLUE WATER** (WA8UTB) - Dayton and Reno convention numbers will not be good after 1/1/90 so claim them now.

#### FINALLY:

Tnx to all the Chapters giving me honorary numbers and certificates. I haven't thanked each of you in this column because I believe people would rather know what is available to them in the space available. However, that does not lessen my appreciation.

**10-10 NET GUIDE:** The following three pages are the Net Guide. Please review and advise of any discrepancies. It is also suggested that you keep this list separate and handy for a quick reference and up date as necessary.

Sep 4, 1989

## 10-10 NET GUIDE (WA402U)

| DAY | SUM  | WINT | CHAPTER               | LOC | FREQ  |
|-----|------|------|-----------------------|-----|-------|
| S-T | 0200 | 0300 | SKY BLUE WATER        | MN  | 28715 |
| M-S |      | 1800 | 10-10 INTERNATIONAL   | CA  | 28800 |
| M-F |      | 2000 | BILLY THE KID         | NH  | 28365 |
| ALL | 0001 | 0100 | CRAZY 8               | PA  | 28888 |
| ALL |      | (1)  | CRAZY 8               | PA  | 28388 |
| ALL |      | 0130 | BUZZARDS ROOST        | SC  | 28750 |
| ALL | 0300 | 0400 | CHIEF SEATTLE         | WA  | 28625 |
| SUN | 0630 | 0730 | RHONE ALPES           | F   | 28770 |
| SUN |      | 0800 | MONT VENTOUX          | F   | 28410 |
| SUN |      | 0830 | TWENTY EIGHT (3)      | VK  | 28560 |
| SUN | 1000 | 0900 | NORMANDY BEACH        | F   | 28450 |
| SUN |      | 0900 | TULIP                 | PA  | 28795 |
| SUN | 0830 | 0930 | BORINAGE              | ON  | 28785 |
| SUN | 0900 | 1000 | CHANNEL               | G   | 28745 |
| SUN |      | 1200 | TARCHANG (3)          | JA  | 28580 |
| SUN |      | 1400 | HUNGARIAN LANDSCAPE   | HA  | 28555 |
| SUN | 1300 | 1400 | LANCASTRIAN           | G   | 28860 |
| SUN | 1300 | 1400 | MANCINIUM             | G   | 28860 |
| SUN |      | 1400 | MASON DIXON           | VA  | 28820 |
| SUN | 1300 | 1400 | PENDLE WITCH          | G   | 28860 |
| SUN |      | 1500 | JOHNNY CANUCK         | VE  | 28930 |
| SUN |      | 1500 | LAKE GENEVA           | HB  | 28850 |
| SUN |      | 1500 | MAD SWINGERS          | SM  | 28810 |
| SUN | 1515 | 1615 | STARK CO MUT AID CW   | OH  | 28150 |
| SUN | 1545 | 1645 | STARK CO. MUTUAL AID  | OH  | 28800 |
| SUN | 1600 | 1700 | FORT McHENRY          | MD  | 28370 |
| SUN | 1600 | 1700 | PIKE'S PEAK           | CO  | 28360 |
| SUN | 1600 | 1700 | SKY BLUE WATER        | MN  | 28715 |
| SUN |      | 1700 | STEEL CITY            | IN  | 28420 |
| SUN | 1400 | 1500 | POSSUM TROT           | NC  | 28345 |
| SUN |      | 1900 | BAY AREA              | CA  | 28490 |
| SUN |      | 1800 | BIGFOOT (1st)         | CA  | 28710 |
| SUN |      | 1800 | NOARS COUNTRY         | OH  | 28885 |
| SUN |      | 1800 | SCARBOROUGH BLUFF     | VE  | 28730 |
| SUN | 1730 | 1830 | TWIN TIERS/CHENANGO   | NY  | 28805 |
| SUN | (1)  | (1)  | TWIN TIERS/CHENANGO   | NY  | 28335 |
| SUN | 1800 | 1900 | BROOKLYN BRIDGE       | NY  | 28850 |
| SUN |      | 1900 | CROSSROADS VILLAGE    | MI  | 28820 |
| SUN |      | 1900 | MID LID               | MI  | 28820 |
| SUN | 1800 | 1900 | NORTH STAR 49ER       | AK  | 28350 |
| SUN | 1800 | 1900 | YUKON GOLD PANNERS    | UY  | 28785 |
| SUN |      | 1930 | BLUE AND GRAY         | KY  | 28760 |
| SUN |      | 2000 | DIAMOND STATE         | DE  | 28413 |
| SUN | 1900 | 2000 | OLD NORTH STATE       | NC  | 28740 |
| SUN | 1930 | 2030 | GOLDEN SPIKE CENT     | UT  | 28425 |
| SUN | 2000 | 2100 | PAPER DOLLS           | GA  | 28805 |
| SUN | 2000 | 2100 | QUEENS & KINGS        | MT  | 28805 |
| SUN | 2000 | 2100 | WIND POINT LIGHTHOUSE | WI  | 28555 |
| SUN | 2100 | 2200 | AIR CAPITAL           | KS  | 28775 |
| SUN | 2100 | 2200 | AMERICAN EAGLE        | VA  | 28340 |
| SUN |      | 2200 | ARIZONA SUNSET        | AZ  | 28475 |

| DAY | SUM  | WINT | CHAPTER               | LOC | FREQ  |
|-----|------|------|-----------------------|-----|-------|
| SUN |      | 2200 | CANTERBURY (3)        | ZL  | 28715 |
| SUN | 1900 | 2000 | POSSUM TROT CW        | NC  | 28150 |
| SUN | 2100 | 2200 | TEXAS LONGHORN        | TX  | 28380 |
| SUN | 2200 | 2300 | OTAGO 45 SOUTH (3)    | ZL  | 28550 |
| SUN | 2200 | 2300 | SO TX LT HORSE BRGD   | TX  | 28488 |
| SUN |      | 2300 | VK4 GOLD COAST (3)    | VK  | 28588 |
| SUN | 2259 | 2359 | IOWA HAWKEYES         | IA  | 28380 |
| SUN | 2300 | 2359 | TEACHER'S PET         | MI  | 28360 |
| SUN | 2300 | 2359 | WHITE MOUNTAINS       | NH  | 28317 |
| S/M | 2330 | 0030 | MICHIANA              | MI  | 28465 |
| S/M | 2330 | 0030 | MINUTEMAN CW          | MA  | 28150 |
| S/M | 2359 | 0059 | MISS LIGHTHOUSE       | MS  | 28480 |
| MON | 0001 | 0100 | CLIFF DWELLERS        | CO  | 29330 |
| MON |      | 0100 | CRADLE OF LIBERTY     | PA  | 28695 |
| MON | 0001 | 0100 | MI WATER WONDERLAND   | MI  | 28343 |
| MON | 0001 | 0100 | SO. N.E. NUTTED       | CT  | 28690 |
| MON | 0100 | 0200 | ANTHRACITE BREAKER    | PA  | 28660 |
| MON | 0100 | 0200 | MILWAUKEE             | WI  | 28805 |
| MON | 0100 | 0200 | PALMETTO (CHARLESTON) | SC  | 28770 |
| MON |      | 0210 | TWENTY EIGHT          | VK  | 28560 |
| MON | 0130 | 0230 | BAUXITE               | AR  | 28470 |
| MON | 0200 | 0300 | HATFIELD & MCCOY      | WV  | 28405 |
| MON | 0300 | 0400 | BIGFOOT               | CA  | 28710 |
| MON |      | 0400 | SURREY DOGWOOD        | VE  | 28675 |
| MON |      | 1700 | BERLIN BEARS          | DA  | 28810 |
| MON |      | 1800 | 10-10 INTERNATIONAL   | CA  | 28775 |
| MON |      | 2230 | CHIEF ANDERSON        | IN  | 28785 |
| MON |      | 2359 | BEAVER VALLEY         | PA  | 28850 |
| MON |      | 2359 | NOR'EASTERS           | MA  | 28703 |
| MON | 2300 | 2359 | TROTTERS AND PACERS   | NJ  | 28755 |
| M/T | 2330 | 0030 | CHIEF KILLBUCK        | OH  | 28490 |
| TUE | 0030 | 0100 | MARDI GRAS            | LA  | 28433 |
| TUE |      | 0100 | WHITEHOUSE (2)        | DC  | 28475 |
| TUE | 0030 | 0130 | SANTA FE TRAIL        | IN  | 28695 |
| TUE | 0030 | 0130 | SKY BLUE WATER        | MN  | 28315 |
| TUE | 0100 | 0200 | COLORADO CENTENNIAL   | CO  | 28340 |
| TUE | 0100 | 0200 | GREAT SMOKY MTN       | TN  | 28410 |
| TUE |      | 0200 | THUNDERBIRD           | AZ  | 28475 |
| TUE | 0100 | 0200 | WIND POINT LIGHTHOUSE | WI  | 28455 |
| TUE | 0130 | 0230 | BAUXITE               | AR  | 28470 |
| TUE | 0130 | 0230 | CITY OF LIGHTS        | IL  | 28720 |
| TUE | 0200 | 0300 | NORTH STAR 49ER       | AK  | 28350 |
| TUE | 0230 | 0330 | CITY OF ROSES         | OR  | 28450 |
| TUE | 0230 | 0330 | GOLDEN BEAR           | CA  | 28495 |
| TUE | 0300 | 0400 | BAY AREA              | CA  | 28475 |
| TUE | 1700 | 1800 | CRAZY 8               | PA  | 28888 |
| TUE |      | 1800 | PENINSULA SW          | G   | 28755 |
| TUE |      | 1900 | ZURICH                | HB  | 28777 |
| TUE | 1900 | 2000 | CHANNEL               | G   | 28745 |
| TUE |      | 2359 | CHATTANOOGA CHOO CHOO | GA  | 28485 |
| TUE |      | 2359 | ERIE EXTENSION CANAL  | OH  | 28320 |
| TUE | 2300 | 2359 | GREAT LAKES           | MI  | 28480 |
| TUE | 2300 | 2359 | SHAWNEE TOO           | OH  | 28350 |



| DAY | SUM  | WINT | CHAPTER                 | LOC | FREQ  |
|-----|------|------|-------------------------|-----|-------|
| TUE | 2300 | 2359 | SIR WALTER RALEIGH      | NC  | 28364 |
| T/W | 2330 | 0030 | MINUTE MAN (1st)        | MA  | 28409 |
| T/W | 2330 | 0030 | MINUTEMAN (2nd 3rd 4th) | MA  | 28609 |
| T/W | 2330 | 0030 | REPUBLIC OF TEXAS       | TX  | 28560 |
| T/W | 2330 | 0030 | SO. N.E. NUTMEB         | CT  | 28690 |
| T/W | 2359 | 0059 | MISS LIGHTHOUSE         | MS  | 28700 |
| WED | 0001 | 0100 | BLUEBONNET              | TX  | 28625 |
| WED |      | 0100 | C.A.T.T.                | OH  | 28800 |
| WED |      | (1)  | C.A.T.T.                | OH  | 28490 |
| WED | 0001 | 0100 | CASTLE CRAIG            | CT  | 28375 |
| WED | 0001 | 0100 | DEVIL'S TRIANGLE        | FL  | 28525 |
| WED | 0001 | 0100 | EGYPTIAN RADIO CLUB     | IL  | 28420 |
| WED | 0001 | 0100 | FORT McHENRY            | MD  | 28370 |
| WED | 0001 | 0100 | LIARS/LINDBERGH/METRO   | NY  | 28480 |
| WED | 0030 | 0130 | ALL AMERICAN CITY       | AL  | 28625 |
| WED |      | 0130 | STEEL CITY              | IN  | 28420 |
| WED | 0030 | 0130 | WIREGRASS PNUT PKRS     | AL  | 28535 |
| WED | 0100 | 0200 | ANTHRACITE BREAKER      | PA  | 28660 |
| WED |      | 0200 | BILLY THE KID           | NH  | 28365 |
| WED | 0100 | 0200 | CLIFF DWELLERS          | CO  | 28380 |
| WED |      | 0200 | GRAND CANYON            | AZ  | 28480 |
| WED | 0100 | 0200 | GREAT SMOKY MTN         | TN  | 28700 |
| WED | 0100 | 0200 | GREEN COUNTRY           | OK  | 28600 |
| WED | 0100 | 0200 | HOUSTON SHOT            | TX  | 28488 |
| WED | 0100 | 0200 | SAMUEL CLEMENS          | CT  | 28333 |
| WED | (1)  | (1)  | SAMUEL CLEMENS CW       | CT  | 28173 |
| WED |      | 0200 | TEN BAR X               | TX  | 28440 |
| WED | 0300 | 0400 | E.A.T.T.                | VE  | 28520 |
| WED | 2300 | 2359 | FRESNO                  | CA  | 28445 |
| WED | 0300 | 0400 | GRP                     | CA  | 28310 |
| WED |      | 1700 | LAKE GENEVA CW          | F   | 28185 |
| WED | 2300 | 2359 | GREAT SMOKY MTN         | TN  | 28410 |
| WED |      | 2359 | MURPHY'S LAW            | RI  | 28820 |
| WED | 2300 | 2359 | OLD DOMINION            | VA  | 28470 |
| WED | 2300 | 2359 | ZODIAC                  | UT  | 28375 |
| THU | 2330 | 0030 | MI ROBINS               | MI  | 28800 |
| THU | (1)  | (1)  | MI ROBINS               | MI  | 28493 |
| THU | 0001 | 0100 | CYPRESS                 | FL  | 28665 |
| THU | 0001 | 0100 | GRINNING ARMADILLO      | TX  | 28495 |
| THU |      | 0100 | KANGAROO KOURT          | TX  | 28605 |
| THU |      | 0100 | MOHAWK VALLEY           | NY  | 28675 |
| THU | 0030 | 0130 | SENATOR DIRKSEN         | IL  | 28850 |
| THU |      | 0200 | CITRUS BELT INC.        | CA  | 28415 |
| THU | 0100 | 0200 | COWTOWN                 | TX  | 28710 |
| THU | (1)  | (1)  | COWTOWN                 | TX  | 28460 |
| THU | 0100 | 0200 | GATEWAY                 | MO  | 28650 |
| THU | 0100 | 0200 | IOWA RIVER VALLEY       | IA  | 28355 |
| THU | 0100 | 0200 | LONE STAR               | TX  | 28460 |
| THU | 0100 | 0200 | MILWAUKEE               | WI  | 28365 |
| THU | 0100 | 0200 | MO-KAN                  | MO  | 28495 |
| THU | 0100 | 0200 | NORTH STAR              | MN  | 28457 |
| THU |      | 0200 | PHOENIX VALLEY          | AZ  | 28560 |
| THU | 0100 | 0200 | SMOKY HILL TRAIL        | KS  | 28385 |

| DAY | SUM  | WINT | CHAPTER               | LOC | FREQ  |
|-----|------|------|-----------------------|-----|-------|
| THU | 0100 | 0200 | TRAIL OF TEARS        | TN  | 28465 |
| THU |      | 0230 | COLORADO BIGHORN      | CO  | 28440 |
| THU | 0230 | 0330 | WIND FARMS            | CA  | 28485 |
| THU |      | 2359 | BROKEN HRT/DRUID CTY  | AL  | 28583 |
| THU | 1300 | 1400 | LANCASTRIAN           | G   | 28870 |
| THU | 1300 | 1400 | MANCUNION             | G   | 28870 |
| THU | 1300 | 1400 | PENDLE WITCH          | G   | 28870 |
| THU | 2200 | 2300 | PA DUTCH COUNTRY      | PA  | 28813 |
| THU | 2300 | 2359 | HUDSON VALLEY         | NY  | 28595 |
| T/F | 2330 | 0030 | DELAWARE VALLEY       | PA  | 28660 |
| T/F | 2330 | 0030 | PRINCE OF PORK        | IL  | 28497 |
| FRI |      | 0030 | BREAKWATER            | MI  | 28835 |
| FRI | 0001 | 0100 | BRANDING IRON         | TX  | 28345 |
| FRI |      | 0100 | BROKEN HEART          | AL  | 28383 |
| FRI | 0001 | 0100 | CYPRESS               | FL  | 28465 |
| FRI |      | 0100 | LAND-O-LINCOLN        | IL  | 28650 |
| FRI | 0001 | 0100 | LIARS/LINDBERGH/METRO | NY  | 28730 |
| FRI | 0001 | 0100 | MUSIC CITY            | TN  | 28495 |
| FRI | 0001 | 0100 | ORANGE JUICE          | FL  | 28525 |
| FRI | 0001 | 0100 | RED RIVER (STEAMBOAT) | LA  | 28430 |
| FRI | 0001 | 0100 | SO TEX LT HORSE BRGD  | TX  | 28488 |
| FRI | 0001 | 0100 | SUNCOAST              | FL  | 28420 |
| FRI |      | 0100 | WAR EAGLE             | IA  | 28615 |
| FRI | 0100 | 0200 | DALLAS COWBOYS        | TX  | 28580 |
| FRI | 0100 | 0200 | GREAT SMOKY MTN       | TN  | 28700 |
| FRI | 0100 | 0200 | HARBORITES            | WA  | 28310 |
| FRI | 0100 | 0200 | N.I.T.T.              | IL  | 28625 |
| FRI |      | 0200 | OKIE RELAYS           | OK  | 28433 |
| FRI |      | 0300 | AFTERSHOCK            | CA  | 28340 |
| FRI | 0300 | 0400 | BABY DOLL             | MD  | 28378 |
| FRI | 2300 | 2359 | BROOKLYN BRIDGE       | NY  | 28850 |
| F/S | 2330 | 0030 | OCEAN STATE           | RI  | 28765 |
| SAT | 0001 | 0100 | FORT McHENRY          | MD  | 28370 |
| SAT | 0001 | 0100 | MAINE-IACS            | ME  | 28402 |
| SAT | 0030 | 0130 | WIREGRASS PNUT PKRS   | AL  | 28490 |
| SAT | 0100 | 0200 | GREAT SMOKY MTN       | TN  | 28410 |
| SAT | 0100 | 0200 | LAND OF LEGEND        | OH  | 28390 |
| SAT |      | 0200 | OKIE RELAYS           | OK  | 28633 |
| SAT | 0130 | 0230 | SKIPJACK              | MD  | 28450 |
| SAT |      | 0400 | SILVER STATE          | NV  | 28455 |
| SAT | 1330 | 1430 | TROTTERS AND PACERS   | NJ  | 28755 |
| SAT |      | 1500 | ELECTRIC CITY         | NY  | 28790 |
| SAT |      | 1500 | LAKE GENEVA           | HB  | 28850 |
| SAT |      | 1500 | PARROT                | IN  | 28815 |
| SAT |      | 1600 | DOLL CHASERS          | TX  | 28433 |
| SAT | 1500 | 1600 | MO-KAN                | MO  | 28495 |
| SAT |      | 1600 | MONT VENTOUX          | F   | 28725 |
| SAT | 1500 | 1600 | REPUBLIC OF TEXAS     | TX  | 28460 |
| SAT | 1600 | 1700 | CITY OF ROSES         | OR  | 28835 |
| SAT |      | 1700 | MURPHY'S LAW          | RI  | 28860 |
| SAT |      | 1700 | RIVER CITY            | CA  | 28870 |
| SAT | 1630 | 1730 | BOOMTOWN              | TX  | 28402 |
| SAT |      | 1730 | TANGO (1st)           | LU  | 28420 |

| DAY | SUM  | WINT | CHAPTER               | LOC | FREQ  |
|-----|------|------|-----------------------|-----|-------|
| SAT |      | 1730 | TANGO (2nd 3rd 4th)   | LU  | 28650 |
| SAT |      | 1800 | BRASIL                | PY  | 28750 |
| SAT |      | 1800 | KEYSTONE              | CA  | 28765 |
| SAT | 1700 | 1800 | LILAC CITY            | WA  | 28390 |
| SAT |      | 1830 | CRATER LAKE           | OR  | 28760 |
| SAT |      | 1900 | BILLY THE KID         | NM  | 28365 |
| SAT | 1800 | 1900 | CHATTANOOGA CHOO CHOO | TN  | 28485 |
| SAT | 1900 | 2000 | ALASKA IDITAROD       | AK  | 28849 |
| SAT |      | 2000 | COLUMBINE YL          | CO  | 28355 |
| SAT |      | 2000 | NANTIC BAY            | CT  | 28747 |
| SAT | 1900 | 2000 | OUTLAWS ON TEN        | TX  | 28444 |

|     |      |           |                        |       |       |
|-----|------|-----------|------------------------|-------|-------|
| SAT | 2100 | WAR EAGLE | IA                     | 28900 |       |
| SAT | 2030 | 2130      | DOWN UNDER (3)         | ZL    | 28430 |
| SAT |      | 2230      | CITY OF MELBOURNE (3)  | UK    | 28485 |
| SAT | 2130 | 2230      | DOWN UNDER (3)         | ZL    | 28530 |
| SAT | 2230 | 2330      | AUSTRALIAN CAPITAL (3) | UK    | 28580 |

(1) Immediately after early net

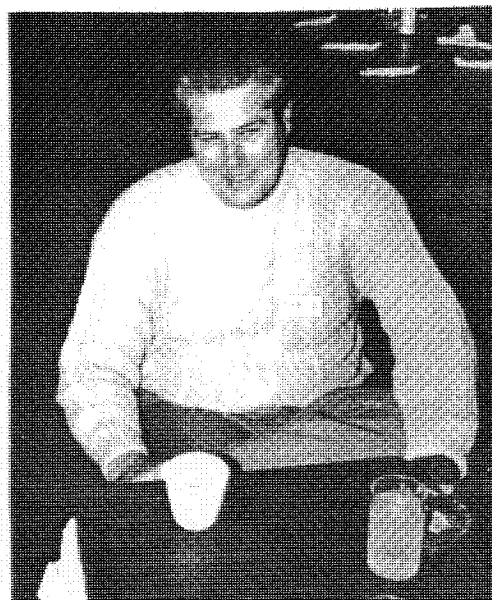
(2) 0001Z during NFL season

(3) Prior day in USA

### CHATTANOOGA CHOO-CHOO CHAPTER



Chattanooga Choo-Choo Chapter Breakfast



Bill W4RYB



Hal KC4VO and YVl Martie KB4PNW



Paul W4UIQ and YVl Alice NR4R

MEMBERS OF COLORADO CENTENNIAL AND BIG HORN CHAPTERS



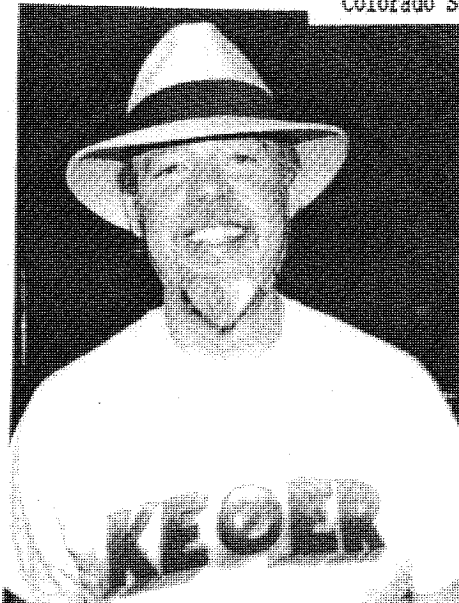
At 10-10 Booth. Gale NJOP, YVL Alice NODES



Stan NOJOQ and YVL Marilyn KBOCMN



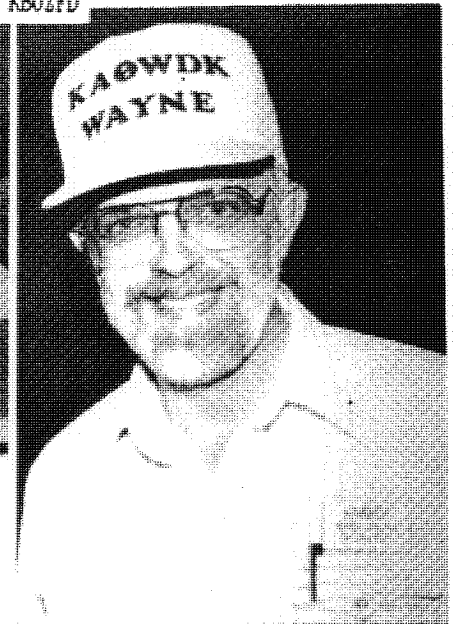
Colorado Swap Fest Chuck NOCKW, Wanda KBOEOL, Paul KBOZFD



Carl KEOR



L-R: Ron KBOADI, Ron KBOBQB, Pat K7VAY



Wayne KAOWDK

# FEATURE ARTICLE \*\*\*\*\*

**VOICE POLARIZER FOR AM:** by Eric Nichols, KL7AJ.

In a prior article I stressed the importance of voice polarity for efficient, clean AM operation. I also promised to give you a schematic for a device which will automatically assure correct voice polarity, regardless of your particular voice pattern. Here is just such a device.

Actually, this is a "Graham-Rudman" version of the circuitry used in most AM broadcast facilities. None of the components are critical, and I certainly encourage you to experiment with it to give just the performance you like. The only precaution I offer is that, if at all possible, the components shown in the dotted lines should be in a separate metal enclosure, especially in QRO stations. The rest can be breadboarded or Vector assembled.

The circuit works as follows: T1 splits the incoming audio into a normal and reversed polarity signal. The correct polarity signal is selected by double-throw relay K1 which then sends the audio to the mike input of the

transmitter.

The rest of the circuitry is the "brains" which determines just which polarity signal should be fed to the microphone input. The brains work as follows: Line sampler LS1 extracts a signal from the antenna feedline. LS1 can be any old sampling loop such as is used in "MONIMATCH" devices. D3 detects the signal and charges C3 to a DC voltage proportional to carrier voltages. Any variations in this voltage are coupled through C5 to the audio detection diodes D4 and D5. Positive peaks are coupled through D4 and negative audio peaks pass through D5.

Under conditions of symmetrical modulation e.g. sine wave modulation, the voltages at the outputs of the detectors will cancel. If the negative audio peaks should be greater than the positive peaks, the junction of R9 and R10 will decrease. If this voltage decreases below the voltage threshold set by R7 and R8, the op-amp comparator 741 device suddenly shifts output voltage, sending a spike through C4 and changing the state of the flip-flop comprised of Q2 and Q3.

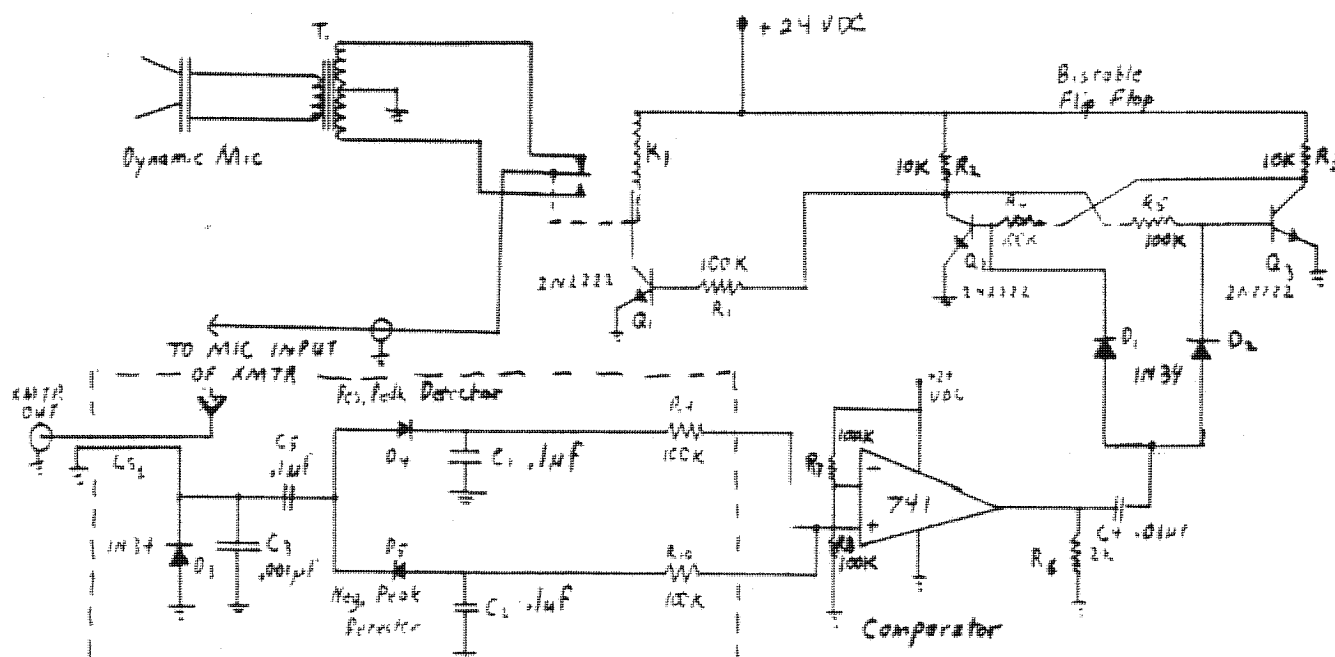
The output of the flip-flop drive Q1, the relay driver and selects the opposite polarity signal from transformer T1. The positive peaks will now be greater than the negative peaks. The circuit continues in this state until the input signal changes symmetry, then the process is repeated.

You will find that K1 will be quite active with some voices and almost dormant with others. Female voices tend to be more symmetrical, and the circuit is very active trying to decide which peaks are larger.

Most male voices are decidedly "lopsided" and after the first syllable the relay will flop to its preferred position and stay there.

I strongly recommend operating your AM rig with and without this circuit in line to fully appreciate the difference it can make. If you have a scope with which to monitor your transmitter output, so much the better. The action of the polarizer will be immediate and quite graphic.

Let me know if you plan on using this circuit. If there is enough demand I'll put together some etching templates, so we can do some mass production.





# WORLD OF PROPAGATION

**SPORADIC E SKIP:** Sporadic E Skip has been good during the summer but has now fallen off. It was mostly in the lower latitudes. E Skip will be rare except for short winter season in December and January.

One great way to detect E skip openings is by listening for certain CW Beacons between 28.2 and 28.3. See the information below.

**BEACONS ON TEN:** Propagation trends can be observed by frequent monitoring of the continuously operating beacons on ten meters. They will be found between 28.1 and 28.3 MHz. All operate with low power and with omnidirectional antennas, so their signals tend to be very weak, especially with some of the higher powered stations around them. Try to stay clear of the beacon frequencies so the service can be used by all radio amateurs.

Joe, K2OLG, has a list of approximately 75 ten meter beacons around the world which we will include in the 10-10 News at first opportunity. In the meanwhile you might want to listen for a very consistent and useful 10 meter beacon VK2RSY on 28.26 MHz.

**TIME STATIONS:** Last month we listed some USA time stations. We hope to include a few each issue from around the world. Here are a few more:

50KHz OMA Prague, Czechoslovakia

60 MSF Rugby, England  
75 HBG Prangins, Switzerland  
77.5 DCF77 Mainflingen, W. Germany

**PROPAGATION RESOURCES:** For those of you interested, here are some sources of information on propagation.

QST July '76 The Maunder Minimum  
QST June '75 The DX'ers Crystal Ball #1  
QST Aug '75 " " " " #2  
Ham Radio Aug 82 Propagation Waves  
QST August on NBS BBS Propagation  
The Shortwave Propagation Handbook  
Ionospheric Radio Propagation; NBS

**PROPAGATION PC PROGRAM:** MINIPROP from W6EL, a wellknown DXer and propagation expert, will help you follow the propagation spectrum. You may find an earlier public domain version free on some BBS. Otherwise the current version v3 is available from Sheldon for \$50. You may need a floating point chip (coprocessor) or lots of patience. A typical full run (7 Freqs) takes 2200 seconds on a base PC-XT, 90 seconds on the same machine with a 8087, and about 15 seconds on a top-end PS2-70. This is not a toy but the real thing.

## SOLAR ACTIVITY:

There has been a steady increase in solar activity through the first part of September. Many flares up to X2 2B and ten flares of up to 5,000 flux units were recorded. A magnetic storm at the end of

August reached 34 units. There were a number of ionospheric disturbances, and a proton flare alert and mag alert were issued on the 4th of September.

The sun spot count varied from 97 on the 29th of August to 294 on the 3rd of September. Solar flux levels have increased steadily reaching 242 units on the third. The geomagnetic A index was mainly unsettled and averaged 12.7 units with it hitting 34 on the 29th which is storm level.

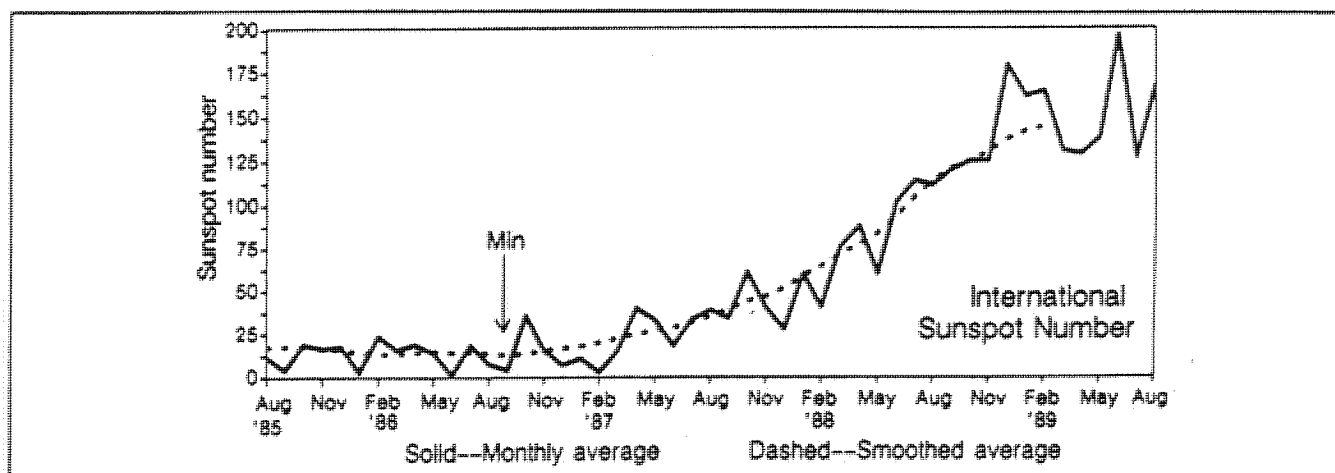
The radio quality indices fell to a very low level on the 29th and have been recovering only very slowly.

Sunspot mean for August was R1 166.8, with a maximum of 227 on the 5th and minimum of 50 on the 28th. The forecast for August 1990 is 138.

**ENGLAND & WALES IONOSPHERIC DATA:** The daytime F2 averaged 8.4MHz. Only good days were 25th and 2nd.

**SCOTLAND & IRELAND DATA:** Daytime F2 averaged 8.1MHz. Darkness hours were 3.8MHz. There were some spread F.

**SOLAR FORECAST:** The more active side of the sun will be facing the earth the end of September which should raise flux to 250. Auroras may also occur. MUFs at equal latitude in daytime could be about 27MHz for south and 24MHz in North. Evening hours will drop it to about 10MHz.



# THE EQUIPMENT CORNER \*\*\*\*

**NEW SECTION:** This section has been added to help you share among fellow members of 10-10 what experience you have had with equipment, modifications you have made, etc. We will also include some product reviews and comments heard from various sources. New product announcements and comments from suppliers will also be included as space allows. So let's hear from you. Share your experiences with others on new, old and home brew rigs and modifications. Just keep in mind it must be ten meter related although it can be general in regard to software etc.

**DX HANDY; PRODUCT REVIEW:** Advanced Electronics Applications, Inc P.O. Box C-2160, Lynnwood, WA 98036-0918 offers the ten meter handheld called the DX Handy MX-28S. We did a short product review to see how this would fit into the Ham world.

The DX Handy is a battery powered (six AA batteries) SSB, CW transceiver with two watts output. CW operation can be by either built-in push button or external key or keyer. It has an S-meter/output power meter and an effective noise blanker. It looks similar to a VHF Handheld.

Conditions have not been great from Utah for the past couple of months on ten. But with improved conditions in the past couple of weeks we tried the DX Handy.

The receiver is very good. Sensitivity of less than 0.5  $\mu$ V for 15 dB S/N utilizing an IF of 11.2735. During receive the current drain is only about 70 mA. Within a short time we had heard Bolivia, Florida, Texas, Mexico, Maryland, Kentucky, Europe, etc. These signals were all solid 5-9 signals. It did as good a job as my TS520 would do as far as picking up the stations, however there is very little volume with the DX Handy. It is almost a must that you have earphones.

The 2 watt transmitter was another issue. I could not make any contacts. Stations that appeared to hear me stated



that I was off frequency or muffled. I worked AA4QI, Harold, 10X 42550 and AA4OZ, Wayne, 10X 39780, with my standard rig and then had them listen for the DX Handy. I was a 5-1 to 5-2 on the standard rig. They never heard the DX Handy. However they did say that they had worked one from California a few weeks before and it was doing a good job. In their opinion my normal signal would have to be 5-9 to have the handheld heard.

I used the DX Handy just as received from the factory. I was therefore limited to the 28.300 to 28.350 portion of the SSB portion of the band. Had I had higher segments of the band I believe I could have made some contacts. We did check it against a nearby receiver and it came in fine. Had we more time to work with it the outcome would have been different, I believe, but we had to return the unit to the factory.

The DX Handy is more rugged than the VHF handheld, with a metal case. The nearly 5 foot telescoping antenna is a little tough to handle and I'm concerned about the eventual breaking of the connector at the frame. The antenna is a

50 ohms unbalanced antenna connecting to a BNC connector on the top of the unit.

The DX Handy doesn't have a battery pack. You must replace batteries which are internal, but easy to get at. Or you can use an external 9 volt supply. There is no easy way to carry the unit, no clip or carrying case for your belt. And with that 50" telescoping antenna it isn't that easy to fit in your shirt pocket!

The unit would be great with a head set such as Icom supplies, except that the microphone and speaker receptacles, on the DX Handy, are reversed from the normal size. The mike receptacle is the size used for external speakers and the speaker is the size used for the microphone. Without ear phones we found ourselves with the DX Handy's speaker pressed against our ear all the time, even with good solid signals.

If you operate it from an external power supply you cannot stand it upright since the power supply connects to the bottom of the DX Handy. The result is you end up holding the unit in order to keep the antenna upright. Of course with that long an antenna it isn't all that stable anyway.

It is capable of sending CW without a key but it would take a lot of practice to become good at it. The built in key is simply a button on the top of the DX Handy. And you cannot monitor your sending. But it is a nice feature to have if you're on a mountain top. And since the unit only weighs 710 grams (1 lb 9 oz) even with the antenna and batteries it is ideal for lugging along on climbs and hikes.

The tuner is almost too sensitive but not a big problem. However changing crystals is not all that easy. It only covers 100kcs at a time and it is not easy enough to change and retune to think you can just switch them when you want to. You need to pick the 100kcs you will be operating from and figure you are restricted to that range.

Is the DX Handy worth the price? A price of \$255? I think the answer is yes,

for the right application. It is not a radio for the operator who has only one radio. It is great for taking on a hike or even putting in your suitcase when traveling. For you business travelers it would be neat to take along with you to the hotel room and try a little DXing while stuck in the room.

It is great for listening in on the band from anywhere, but the chances of being able to transmit is marginal. It is a QRP unit, low QRP at that. Your mode of operation would have to change from the normal 100 watt rig, and even the lower power ten meter rigs on the market today.

I think the DX Handy would be a great challenge for the "NONE" QRP individual to try QRP. If conditions are just right you'll be able to work the world, but don't count on it. It is a radio for a special application. It is not a general purpose radio. I loved playing with it and would enjoy spending more time with it. It will challenge the best of you. Editor.

**THE RANGER LINE:** Comments on the Ranger heard recently are as follows: Locals have mixed reports regarding the Ranger Line; some like it, some detest it. "Real" hams don't like the fact that it doesn't have a real tuning knob.

One comment was the this ham preferred the Kantronics 10M monobander. It's more expansive than the Uniden and the Radio Shack clone (about \$330 from AES vs \$240-\$260 for the Uniden) and has no FM capability, but as an SSB rig is far superior regarding receiver quality, lower noise and better selectivity. And a much better "knob".

**UNIDEN HR-2510 AT 75 WATTS:** Word is that there is a modification for the HR-2510 which will allow you to transmit and receive from 26 Mhz to 30Mhz inclusive. This is for the pre 1989 models. Has anyone tried it? 75 watts inside of 25 could help those using it in mobile applications.

August 1989 of '73 Magazine offers a modification for the HR-2510. Has anyone tried it?

At least one user of the HR-2510

says he is "very pleased with its performance and has made hundreds of contacts with it."

**RADIO SHACK 10M RIG:** According to one source, the Radio Shack 10 meter rig is the Uniden chassis with a lot of the parts missing, which makes it cost less to purchase.

**KENWOOD 950:** According to one QSO from Japan, Japan is using a new Kenwood 950. He described it as a 940 with a band pass monitoring capability built in. You hook up a monitor to view the band. Anyone with information on this new rig?

**TEN-TEC SIMPLICITY:** With today's push for more complexity at least one ham says the Ten Tec "feature" of simplicity sold him. The rig has a simple design and spacious cabinet interior. The Paragon is a radio, NOT an antenna tuner, a keyer, a capacitance meter or a floor wax!!! There is the feeling one could actually get inside it and fix it if it breaks, although the Ten Tec service is said to be very good.

But there are some problems. Spurious noise is one complaint. There are only a few spurs above S1, but the noises are very irritating on 10 meters where band noise is often low enough to allow the internal noise to be heard. I believe that much of the noise is generated by the multiplexing of the display, some of it is harmonics.

**SOFTWARE AID FOR NOVICES:** If you would like to get novice information including questions on a diskette send a diskette and SASE to Diana L. Syriac, 49A Meadow Pond Drive, Leominster, MA 01453. If you have questions drop her a note or possibly you can reach her at (508) 369-440 ext 2459.

**HIGH PERFORMANCE 10 METER WIRE ANTENNA:** Zack Schindler, N8FPA, 413 Vester, Ferndale, MI 48220-1955 is offering an Extended Double Zepp Antenna with a 3DB gain over dipoles. He tunes the antenna for the novice portion of ten meters with low SWR over the 28.000Mhz to 28.800Mhz portion of

the band. No tuner is necessary. Claimed to be good for low power ten meter rigs. Price is \$75.00. We may test this product in the future and let you know what we find out.

**SPARKY J-10B 10 METER ANTENNA:** Antenna's West, 2996 Cherokee Lane, Provo, UT 84604, offers a J-Pole type antenna for ten meters. It is tuned for the novice section of the band but performs well on other portions. You can just hang it out of a window, the ten meter sky hook. Price is \$39.95.

**PRO 67 ANTENNA:** For those of you who like a LARGE and HEAVY antenna maybe you have some interest in this Moseley antenna. It has double wall tubing in the middle to reduce sag. At nearly 100 lbs it is the ham that sags when putting it up. You need a heavy duty rotator or they will burn up in short order.

Reports are that the performance is very good. Front-to-back and front-to-side ratios are excellent. As one ham said, it is so good if you are not pointing in the direction of the opening you might think the band is dead. Gain is also very good in this antenna.

There seems to be a down side to it however. SWR curves show the antenna to be 1.5:1 SWR on ten meters. It is claimed to be a broadband antenna. However some individuals have found measurements of 2.5:1 in some portions of the band, which means, if you have a 440 or similar transceiver, will reduce power to 65-70 watts.

I understand that Moseley will come out with a modification for this antenna to improve the SWR, however that may only be on the WARC bands.

**MU-64 MORSE UNIVERSITY:** AEA, who also gives us the DX Handy talked about earlier, offers an "easier" way to learn morse code if you have a Commodore 64 computer.

And according to AEA, "You can even use your new skills to play a Receiving Game. A video game that shoots the antenna off your house with lightning bolts if you don't type in the characters sent."

Advanced Electronic Applications, Inc. P.O. Box 2160, Lynnwood, WA 98036.

# 10-10 CONTESTING

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\*\*\*\*\*NOTICE\*\*\*\*\* Due to an error, the wrong station was listed as the Area 8 Winner of the 1989 Winter SSB Contest. It should have been listed as W8WVR, Wayne McDaniel with 514 contacts and 904 points. A certificate has been mailed to W8WVR.

NEXT CONTEST: SPRING CW PARTY - May 5,6, 1990. Volunteer now for 1991!

\*\*\*\*\*SUMMER CONTEST RESULTS NOT SUBMITTED TO 10-10 NEWS  
PRIOR TO PUBLISHING DATE. WILL INCLUDE IN NEXT ISSUE\*\*\*\*\*

OLD DOMINION 1st ANNUAL TEN-TEN QSO PARTY  
By: The OLD DOMINION CHAPTER - RICHMOND, VIRGINIA.  
CHAPTER HEAD: Dow Pierce - WA4HMX  
124 Bartee Road - Richmond, Virginia. 23224

STARTS: 0000 (UTC) JANUARY 6, 1990  
ENDS: 2400 (UTC) JANUARY 7, 1990

The OLD DOMINION QSO PARTY will be open to ALL licensed Operators Same General Ten-Ten QSO PARTY rules except multipliers for "OLD DOMINION" members any where !

Non-members of Ten-Ten may use the numbers collected to qualify for membership to TEN-TEN INTERNATIONAL NET, INC. Only paid-up members are eligible for certificates and chapter assignments. Members of the OLD DOMINION CHAPTER may use contacts made for up-grades with the OLD DOMINION CHAPTER.

## SCORING

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1. Two (2) points for each contact with a 10-10 number.
2. One (1) point for each contact with-out a 10-10 number.
3. Each OLD DOMINION number collected is a multiplier of one (1).

## AWARDS:

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2 Divisions: Member and non-member (Non-members: S.A.S.E. for results direct). First place certificates to all U.S. call areas: KL7 included with the 7th area. Also Canada, South America, Asia, Central America, Caribbean (including Bermuda), Europe, Africa, Asia and the Pacific (including KH6) all Pacific Islands, New Zealand and Australia. Results will be sent to TEN-TEN News to be published.

LOGS SENT TO WA4HMX NO LATER THAN JANUARY 31, 1990  
FOR MORE INFO SEND S.A.S.E. TO WA4HMX (CH) OLD DOMINION CHAPTER



TEN-TEN INTERNATIONAL NET WINTER SSB QSO PARTY  
By: Harry Syring, WB1FTQ, #23934, Contest Manager  
37 Bradford Drive, Windsor, Conn 06095

STARTS: 0000Z February 3, 1990  
ENDS: 2400Z February 4, 1990

Ten-Ten QSO Parties are open to all amateurs but only paid-up members are eligible for awards or chapter assignment of scores. They are conducted to encourage Ten Meter operation and interest in the Net. Non-Members may use the numbers collected to qualify for membership; Members may use them for awards.

#### RULES

1. All contacts must take place on the Ten Meter phone band.
2. Exchange: Callsign, Name, State, and Ten-Ten number.
3. A station may be counted only once.
4. Single operator stations only are acceptable.
5. SSB, AM, or FM modes are acceptable.
6. All contacts must take place during the 48 hour contest period.
7. Logs must be kept in Universal Coordinated Time.
8. A DUPE SHEET IS REQUIRED OF ALL PARTICIPANTS. COMPUTER DUPING IS OK.  
(You may send a SASE to me for a sample dupe sheet.)
9. Chapter assignment of scores may be only by a paid-up member belonging to that chapter as a local member, and able to work that chapter net via groundwave from the location of the station working the contest.
10. Illegible or improperly submitted logs will be rejected. See below for log submission requirements. DO NOT SEND YOUR LOGS TO ME!!
11. Failure to comply with any of these rules or their intent may result in disqualification.

#### SCORING

TWO Points for each contact with a Ten-Ten number exchange.  
ONE Point for each contact without a Ten-Ten number exchange.

#### AWARDS

First Place certificates to all U.S. Call Areas; KL7 included with 7th area. Also Canada, South America, Central America, Carribean (including Bermuda), Europe, Africa, Asia, and the Pacific, (including KH6, all pacific islands, New Zealand, and Australia). Also Top Ten in the World finishers in the contest will receive a certificate.  
Paid-up individual and chapter scores are listed in the NEWS.

#### LOG SUBMISSION

Logs are accepted from 10-10 members only and must be legible, in UTC, and complete. Each line entry must show callsign, time, date, QTH, and 10-10 number (if any). A COVER SHEET IS REQUIRED OF ALL LOGS showing your name, callsign, QTH, 10-10 number, membership expiration date, chapter assignment of scores (if any), total contacts and total points. A cover sheet can be found on the rear page of the NEWS. A DUPE SHEET MUST ACCOMPANY ALL LOGS. Logs must be postmarked no later than March 1, 1990 and mailed to: Houston SHOT Chapter, c/o Jack Steets, KG5NO 5609 Whitehaven, Bellaire, TX 77401

# 10-10 MEMBERSHIP & INFO

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## MEMBERSHIP:

To become a member of 10-10 International Net, Inc. you need only work ten members. Log each 10-10 number, call sign, operator's name and location. Send this list to the area manager of your numeric call sign or DX. The name and address of the appropriate manager is on page 31. Include \$5.00 U.S. new member registration fee (\$6.00 foreign). Life and family memberships are available as well as annual. See order form on page 31. Certificate of membership will then be issued, as well as a permanent 10-10 number. Included in your membership is the quarterly publication "10-10 International News".

## AWARDS:

To apply for ANY of the 10-10 awards listed below, proof of paid-up membership is MANDATORY. A copy of your membership card or the address label from your copy of the 10-10 News must be sent with the award application.

## BARS AND PLAQUES:

Work 10-10 members with on the air 2 way communication, exchange numbers, etc. Only 200 numbers per list may be submitted.

1. List numbers in numerical order, call sign of station worked, operator's name and location (QTH).
2. Submit only one list at a time.
3. Include YOUR name, CALL, 10-10 number, and state which 100 bar you are requesting.
4. Enclose with your list a 4X9" envelope self addressed and stamped (SASE) with enough U.S. postage to return to you.
5. Bar applications Number 100

through 900 are mailed to: Wayne Childress, AA7AO, 24 Campbell Ave., Flagstaff, AZ 86004. Bar applications Number 1000 and up as well as plaque applications are mailed to: Andy Anderson, N5CUQ, Rte 3, Box 245, Fredericksburg, TX 78624.

6. A 500 bar certificate costs \$1. Plaques for working 1,000, 2,500, etc cost \$5.00 U.S. currency postpaid.

## INTERNATIONAL 500 OF THE WORLD:

With the 500 Bar comes an Honorary VP number, membership in the International 500 of the world, and eligibility to go after the following two awards:

1. **VP CERTIFICATE:** For VP's who work 100, 200, etc. other VP members. Contacts must be made above 28.9 MHz. Each contact must last at least 5 minutes or more. For complete rules and cost send a 4" X 9" SASE to: Hiram E. Wolf, W4NWP, 126 W. 37th St., Riviera Beach, FL 33404 or see below.

2. **LUCKY 13 CERTIFICATE:** Work 13 different VP members. Each contact MUST be in a different 100 khz segment of 10 meters. Forms and rules are available from Wayne Childress, AA7AO, 24 Campbell Ave., Flagstaff, AZ 86004.

## WORKED ALL STATES (WAS):

Work and get QSL confirmation from one 10-10 member in each of the 50 states. For complete rules, application form and cost send a 4" X 9" SASE to: Susan Brackeen, KA1CAD, Rte 6 Box 151, Boonville, MS 38829.

## COUNTRIES AWARD:

QSL confirmation of QSO's with 25 or more 10-10 member countries. For complete rules, application form and cost,

send a 4" X 9" SASE to: Alan Sherman, K1AS, RR#4, Box 422, Danielson, CT 06239.

## WORKED ALL CONTINENTS:

QSL confirmation of QSO's with a 10-10 member in each of the six continental areas. For detailed rules, application form and cost, send a 4" X 9" SASE to: Chuck Imsande, W6YLJ, 18130 Bromley St., Tarzana, CA 91356.

## VP CERTIFICATE INFORMATION:

The VP Certificate goes to members who have worked 100, 200 and so on, other VP members on the frequencies between 28.3 and 28.55 MHz or above 28.9 MHz for a period of five minutes and have exchanged 10-10 and VP numbers. The list of numbers must include VP number, 10-10 number, call, name and QTH of every VP number on the list and they are to be in numerical order. Include a statement that all contacts were made within the designated frequencies and for the length of time. Proof of paid up membership and one first class stamp for the special envelope. Do not send SASE. Overseas members send 3 IRC's. For where to send the list see address above under International 500 of The World.

## LIMITS FOR REQUESTS REMOVED:

At least for the time being limits for the number of awards which can be applied for have been removed. Send in your entire block of numbers. Remember, when you send in a block of numbers - check the postage rate. For those of you with computers, if you put your request in, you may authorize just sending back the authentication for the multitude of Bars and just ask for the Bar and the Authentication Stamp. Upgrade to VP, 3,000 Bar, whatever now.

## SASE FOR CORRESPONDENCE:

Please remember, whenever corresponding with any 10-10 manager or officer to include a SASE if you expect a reply.

# AWARDS & CERTIFICATES

## 500 BAR AWARDS

Wayne Childress, AA7AO, 100-900 Bar Manager

|      |        |      |        |      |        |      |        |
|------|--------|------|--------|------|--------|------|--------|
| 2142 | WA4PRP | 2153 | WV7C   | 2164 | KA7AIR | 2175 | KB4BBC |
| 2143 | W4RNL  | 2154 | G0EZL  | 2165 | WA9RIJ | 2176 | KA9YTR |
| 2144 | WA4TOJ | 2155 | W1ESV  | 2166 | WA3GFM | 2177 | KC6AWC |
| 2145 | WA5RNV | 2156 | WD9GNF | 2167 | KA6GPC | 2178 | KB2CCA |
| 2146 | KB5FGU | 2157 | WN2R   | 2168 | KK4MX  | 2179 | W5OXA  |
| 2147 | N4QIS  | 2158 | WB2RQX | 2169 | WD4BOW | 2180 | AK5R   |
| 2148 | KB8DWZ | 2159 | KA2ANF | 2170 | N5CBR  | 2181 | W7BD   |
| 2149 | N4RYB  | 2160 | N8GFG  | 2171 | N4TZP  | 2182 | NU3G   |
| 2150 | SM6LIF | 2161 | N4UBT  | 2172 | N8BLZ  | 2183 | K9RKU  |
| 2151 | KB9BHS | 2162 | N8ETA  | 2173 | N4SOJ  | 2184 | VE1BMC |
| 2152 | VK6RG  | 2163 | KB9BFR | 2174 | KB5HAZ | 2185 | WA6ZHX |

## 1000 BAR AWARDS

Buehren Anderson, N5CUQ, 1000 Bar Manager

NO INPUT SUPPLIED BY MANAGER

## 2500 BAR AWARDS

NO INPUT SUPPLIED BY MANAGER

## 5000 BAR AWARDS

NO INPUT SUPPLIED BY MANAGER

## WORKED ALL STATES AWARDS (WAS)

Susan Bracken, KA1CAD, WAS Manager

|      |        |      |        |      |        |      |        |
|------|--------|------|--------|------|--------|------|--------|
| 987  | WH2AAT | 993  | KA8ZJV | 999  | KJ6LB  | 1005 | KA9HKB |
| 988  | K9RKU  | 994  | WB8ZQW | 1000 | N0KQC  | 1006 | AD9K   |
| 989  | KA1FEE | 995  | KA2ZZM | 1001 | N7JPF  | 1007 | KA0KLC |
| 990  | KA8ZMZ | 996  | WB6MSE | 1002 | N4QID  | 1008 | WD8IFH |
| 991  | KC4EJR | 997  | KA5WDV | 1003 | N0HXN  | 1009 | KA4LYE |
| 992  | KA7CII | 998  | KA5WDU | 1004 | N0ELA  | 1010 | KA9YRV |
| 1011 | KA01AR | 1014 | VE3JFQ | 1017 | KB4PIW | 1020 | WA1NSI |
| 1012 | WG4X   | 1015 | KA7LGV | 1018 | N4QOG  | 1021 | AA7AO  |
| 1013 | WB8WWK | 1016 | KC4YO  | 1019 | N4UBT  | 1022 | KA9FIS |
|      |        |      |        |      |        | 1023 | W4WKQ  |
|      |        |      |        |      |        | 1024 | WB6JOT |

## WORKED ALL CONTENENTS AWARD (WAC)

Chuck Imsande, W6YLJ, WAC Manager

|     |          |       |         |                   |     |        |       |         |                     |
|-----|----------|-------|---------|-------------------|-----|--------|-------|---------|---------------------|
| 171 | KE2IG    | 47059 | 3/15/89 | Bill Sexton       | 181 | KA2ZZM | 47036 | 4/18/89 | Gerry Kravec        |
| 172 | VE3NLU   | 35992 | 3/16/89 | Allen McRay       | 182 | NT7C   | 39627 | 4/20/89 | Phil Hendricks      |
| 173 | N4TXO    | 41788 | 3/16/89 | Ray Rogers        | 183 | KA2ZYQ | 47035 | 4/20/89 | William Fortuner    |
| 174 | N3GBB    | 46949 | 3/15/89 | Tom Barr          | 184 | KA1MXF | 46603 | 4/21/89 | Robert Donnelly Jr. |
| 175 | KA3DBN   | 25754 | 3/24/89 | John Rouse        | 185 | WB6MSE | 44650 | 5/15/89 | Eugene Field        |
| 176 | WH2ATT/4 | 43944 | 3/28/89 | Gaylord Mangold   | 186 | KA1SPO | 50043 | 5/19/89 | John Kaponow        |
| 177 | KASHSM   | 42171 | 4/01/89 | John Chudzinski   | 187 | W0BZD  | 47288 | 5/26/89 | Chuck Foster        |
| 178 | KB4WLD   | 43268 | 4/06/89 | Edward McAllister | 188 | KA5WDU | 48686 | 6/02/89 | Betty Ivey          |
| 179 | KE9MA    | 46709 | 4/14/89 | Gene Kroll        | 189 | KA5WDV | 48687 | 6/02/89 | James Ivey          |
| 180 | IN3ANE   | 27960 | 4/17/89 | Pietro Fiorito    | 190 | OZ1ACB | 36953 | 6/02/89 | Allis Anderson      |
|     |          |       |         |                   | 191 | N9BSS  | 43315 | 6/08/89 | Charles Maurer      |
|     |          |       |         |                   | 192 | WD8MQJ | 30405 | 7/10/89 | Edward Crowthers    |
|     |          |       |         |                   | 193 | N4MCH  | 44792 | 7/25/89 | William Rasins      |
|     |          |       |         |                   | 194 | WB6JOT | 48505 | 8/01/89 | Carl Alger          |

## INTERNATIONAL -500- OF THE WORLD

Hiram Wolf, W4NWP, International Awards Manager

| VP-100        | VP-200       | VP-400      | VP-600      |
|---------------|--------------|-------------|-------------|
| #168 - WD5GSG | #62 - KB5ECK | #13 - K0JPW | #9 - WD6DFB |
| 169 - W5AWT   |              | 14 - WD6DFB |             |
| VP-300        | VP-500       | VP-700      |             |
| #30 - NT7C    | #12 - WD6DFB | #3 - W9WYN  |             |
| 170 - KA8ZJW  | 31 - WA5TXI  |             |             |
| 171 - K9EHP   | 32 - W6YRJ   |             |             |
| 172 - N4QID   | 33 - N4MCH   |             |             |
| 173 - AA4OZ   |              |             |             |
| 174 - WD8MQJ  |              |             |             |
| 175 - NE9R    |              |             |             |
| 176 - KA4LYE  |              |             |             |

## LUCKY 13 AWARDS

NO INPUT SUPPLIED BY MANAGER

## TOP TEN AWARDS

Buehren Anderson, N5CUQ, Top Ten Manager

|     |        |        |     |          |        |
|-----|--------|--------|-----|----------|--------|
| #1. | WA5JDU | 18,000 | #6. | WB7NUU   | 11,000 |
| 2.  | W0RWC  | 16,400 | 7.  | WA9LIC   | 10,800 |
| 3.  | K5MRU  | 14,700 | 8.  | KS6A(SK) | 10,000 |
| 4.  | PJ2WG  | 12,600 | 9.  | W8RNB    | 9,800  |
| 5.  | WB1DBZ | 11,800 | 10. | K4KAH    | 8,500  |
|     |        |        | 10. | W1KZH    | 8,500  |



## COUNTRIES AWARDS AND UPGRADES

Alan Sherman, K1AS, Countries Award Manager

### BASIC -25-

264 WP4BDI  
265 HB9BHY  
266 KE6CX  
267 KA3DBN  
268 KA2SKO  
269 N3GBB  
270 IN3ANE  
271 W4PNC  
272 W4RNL  
273 WA5TXI  
274 GM4VPB  
275 VE3NLU  
276 G0EZL  
277 KA2ANF  
278 N6JOI  
279 KA6PBU  
280 WB6JOT  
281 W5NDK  
282 N1GRM  
283 W9LOR

### -35-

136 W3DCN  
137 N5HSF  
138 KA3DBN  
139 N3FUR

### -45-

104 WD9GNF  
105 KA3DBN

### -55-

70 AE2L  
71 WD9GNF  
72 K4PXQ

### -75

26 F6FCH  
27 W5EIJ  
28 K8DHK  
29 WA5BBR

### -100-

11 N1API

### -105-

8 N1API  
9 CX4HS

### -110-

7 CX4HS

### -155

1 KC5CP

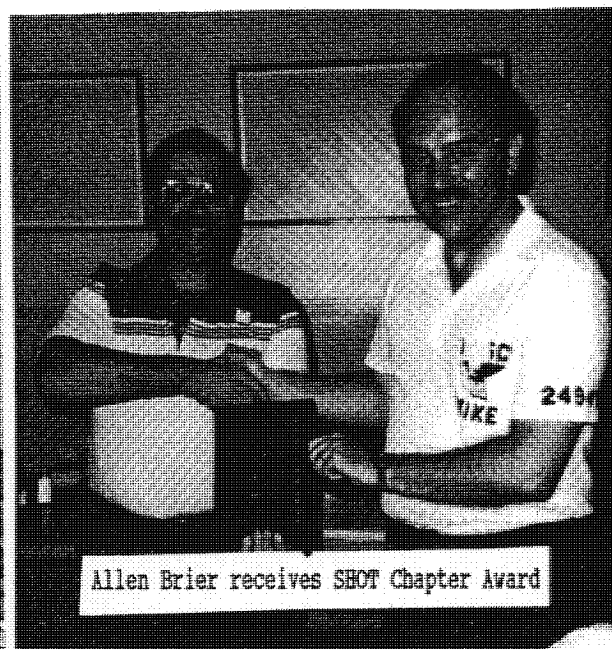
### -160-

1 KC5CP

## S.H.O.T. CHAPTER AWARDS



SHOT Chapter Awards Meeting:  
Kathy, George, Allen, Jack, Stu, Steve  
Frank, Allen, Dave, Jeanie, Steve, Mike, Jim



Allen Brier receives SHOT Chapter Award

# SILENT KEYS \*\*\*\*

It's thanks to Grace Dunlap, K5MRU, 10X #218, that this silent key section appears. She does a fine job with a difficult task. Although this section is reserved for hams this issue we honor a non-ham but real part of the ham community.

**DOTTIE LEFCOURT:** We wish to make a special remembrance of Dottie Lefcourt, Norm's wife, who although not a ham, she was certainly a part of the ham community. Dottie passed away just a short while after returning from the Milwaukee Convention. The picture of Dottie with Norm to the right was taken just a few months earlier at another ham meeting. We at 10-10 salute a very galant and wonderful lady. She will truly be missed.



Norm and YL Dottie Lefcourt

|       |        |   |
|-------|--------|---|
| #2955 | W0QHY  | James Wilson, Webster Grove, MO           |
| 4591  | W4PPQ  | Katherine M. LePine, Miramar, FL          |
| 4960  | W6GYA  | Orville W. Baldock, Vallejo, CA           |
| 7238  | W8IYT  | John E. Tierney, Detroit, MI              |
| 8758  | K6HYO  | Robert J. Stillwell, Sacramento, CA       |
| 10970 | WB6EGO | Thomas B. Finney, Paso Robles, CA         |
| 11290 | W8GVC  | John W. Hinton, Bangor, MI                |
| 12740 | K2RUP  | Edward F. Koell, Kapaa, HI                |
| 17594 | KQ1G   | Mervin Holmberg, Titusville, FL           |
| 21334 | WD6BLH | Clifford Wishon, Modesto, CA              |
| 28162 | WA1FSD | Michael Boryszewski, Whitman, MA          |
| 42570 | K4DQP  | Burdett R. Dunning, Kinston, NC           |
| 43338 | WA9FYB | Matthew Gresak, Chicago, IL               |
| 49516 | WA4HZN | Connie O'Donald, Jr. Charleston, SC       |
| 00058 | WA6DFT | Forest D. Rehders, Garden Grove, CA       |
| 00933 | K8GIP  | Owen H. Burgbacher, New Martinsville, WV  |
| 01045 | W1GGV  | Philip R. Grush, N. Reading, MA           |
| 01891 | W7LWF  | Edwin Lavanthal, Chiloquin, OR            |
| 01940 | K2CSY  | Frank Sabo, Bloomingdale, NJ              |
| 07783 | K2GT   | William A. Schrader, Rockville Centre, NY |
| 09237 | WA5ORP | L. D. Howell, Baytown, TX                 |
| 10284 | W5CB   | Ralph A. Rusca, New Orleans, LA           |
| 13188 | WA3SCC | John W. Thompson, Wyomissing, PA          |
| 16980 | WA9AIF | Robert A. Hanson, Western Springs, IL     |
| 23136 | K4GPX  | Frank E. Kamplain, Belleair Bluffs, FL    |
| 39817 | W9CIL  | Harry L. Cole, LaCrosse, WI               |
| 43293 | NY4T   | Reggie D. Phillips, Humbolt, TN           |
| 48199 | W1QA   | Henry A. Barnicle, N. Reading, MA         |
| 16227 | WB8FDI | K. L. Wierzbicki, MI                      |
| 39844 | KA9OGK | Kim Smrstick, WI                          |

# 10-10 INTERNATIONAL AREA MANAGERS

## U.S.A.

|                             |                             |                |       |
|-----------------------------|-----------------------------|----------------|-------|
| 1st. Call area Al Kaiser    | N1API 194 Glen Hills Rd.    | Meriden, CT    | 06450 |
| 2nd. " " Larry Berger       | WA2SUH 9 Nancy Blvd.        | Merrick, NY    | 11566 |
| 3rd. " " Jim Duppins        | WA3RBQ 2317 Windsor Ave.    | Baltimore, MD  | 21216 |
| 4. FL. PR. Dave Buschow     | WD4MPG 2319 Contest Lane    | Haymarket, VA  | 22069 |
| 4. VA. NC. SC Tom Henderson | K4CIH 4901 15th Pl. East.   | Tuscaloosa AL  | 35404 |
| 4. KY, TN Rick Roberts      | N4KCC 2108 Collins Lane     | Soddy Daisy TN | 37379 |
| 4. GA, AL Jim Beswick       | W4YHF 112 Owl Town Farm     | Ellijay, GA    | 30540 |
| 5th. Call area Grace Dunlap | K5MRU (Oct to June) BOX 445 | LaFeria, TX    | 78559 |
| 5th. " " Grace Dunlap       | K5MRU (June to OCT) BOX 13  | Rand, CO       | 80473 |
| 6th. " " Dick Rauscher      | W6ANK 4371 Cambria Street   | Fremont, CA    | 94538 |
| 7th " " Willie Madison      | WB7VZI 10512 W. Butler Dr.  | Peoria, AZ     | 85345 |
| 8th " " John Hugentober     | N8FU 4441 Andreas Ave.      | Cincinnati, OH | 45211 |
| 9th " " Berniece Tiemann    | N9CDO Rte. 1 Box 207.       | Lenzburg, IL   | 62255 |
| 10th " " Judy Long          | WD0DHH 2681 Aster Street    | Pueblo, CO     | 81005 |

## ALL COUNTRIES EXCEPT VK, ZL and USA

Carol Hugentober, K8DHK 4441 Andreas Ave., Cincinnati, OH 45211 U.S.A.

VK Australia Les Olsen, VK2JLO 3 Noumea St., Shalvey 2770, NSW, Australia

ZL New Zealand T.J. (Mac) McKenzie, ZL3RK 73 Cygnet St., Christchurch 9, NZ

## ORDER FORM

\*\* NEW MEMBER, REGISTRATION FEE. One time only \$1.00 \*\*\* \$\_\_\_\_\_

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ANNUAL DUES, FOREIGN MEMBERS. \$5.00 times number of years wanted. \$\_\_\_\_\_

LIFE MEMBERSHIP, 25 times the ANNUAL DUES (\$100 or \$125) \$\_\_\_\_\_

Senior (65) Life Membership, (W/Proof) US \$35.00, Foreign \$40.00 \$\_\_\_\_\_

FAMILY MEMBERSHIP, add \$.50 each person each year \$\_\_\_\_\_

10-10 STAMPS, 100 stamps \$1.00 \$\_\_\_\_\_

\_\_\_\_\_> TOTAL DOLLARS ENCLOSED \_\_\_\_\_> \$\_\_\_\_\_

\* SEND TO YOUR Call # Area Manager, EXCEPT: Life Membership and Scholarship donations go directly to: 10-10 TREASURER, GERRY GROSS, WA6POZ.  
1624 N. Dorothy Dr. Brea, Ca. 92621.

**10-10 ROSTER** \$7.50 US, \$9.00 FOREIGN, Paid up members only.

MAIL TO: Dee Gilbert, KA6HQJ, 515 E. 2nd St. Rialto, CA 92376. \$\_\_\_\_\_

Make all checks payable to 10-10 International Net, Inc. DO NOT send cash.

All applicants and DX members are reminded that Dollar amounts quoted are in U.S. Dollars. DX members pay by International Postal Money Order only.

NAME \_\_\_\_\_ CALL \_\_\_\_\_ 10-10 # \_\_\_\_\_

ADDRESS \_\_\_\_\_ CITY \_\_\_\_\_

STATE/COUNTRY \_\_\_\_\_ ZIP \_\_\_\_\_

INCLUDE CALLS, NAMES AND NUMBERS FOR FAMILY MEMBERS. \_\_\_\_\_

# 10 METER CALENDAR

1989

- Nov. 4-5th 10-10 International Fall CW QSO PARTY. See Summer 10-10 News for rules and information.
- Nov. 11-12th Crazy 8 10th Annual QSO Party. 0000 - 2359z. 1pt contact, 1pt 10X, 1pt Crazy 8. Report KA3AVB Robert E. Ross, 2431 Hampton Ave, Allison Park, PA 15101 by 12/4/89.
- Dec. 6-7th Old Dominion 1st 10-10 QSO Party. 0000 - 2400z. 1pt contact, 1pt 10X, total OD numbers as multiplier. Report WA4HMX 124 Bartelee Rd, Richmond, VI 23224

1990

- Feb. 3-4th 10-10 International Winter PHONE QSO PARTY.
- May 5-6 10-10 International Spring CW QSO PARTY.

Complete and tear off here. Attach to front of your contest log.

## Cover Sheet

**1989 Fall QSO Party**

Chapter Assignment: \_\_\_\_\_

Total contacts with 10X #: \_\_\_\_\_ X 2 = \_\_\_\_\_ Points  
 Total contacts without 10X #: \_\_\_\_\_ X 1 = \_\_\_\_\_ Points

SEND CONTEST LOGS TO:  
 Boomtown Chapter,  
 c/o Ed Neal, N5EBA  
 1414 Hiawatha  
 Burkburnett, TX 76354

\_\_\_\_\_  
 Total contacts

\_\_\_\_\_  
 Total Points

Lee Pasewalk, WB6MGM (Rec. Mgr.)  
 18815 Yukon Ave.  
 Torrance, CA 90504

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

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 U.S. POSTAGE  
 PAID  
 PERMIT NO. 6  
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01