

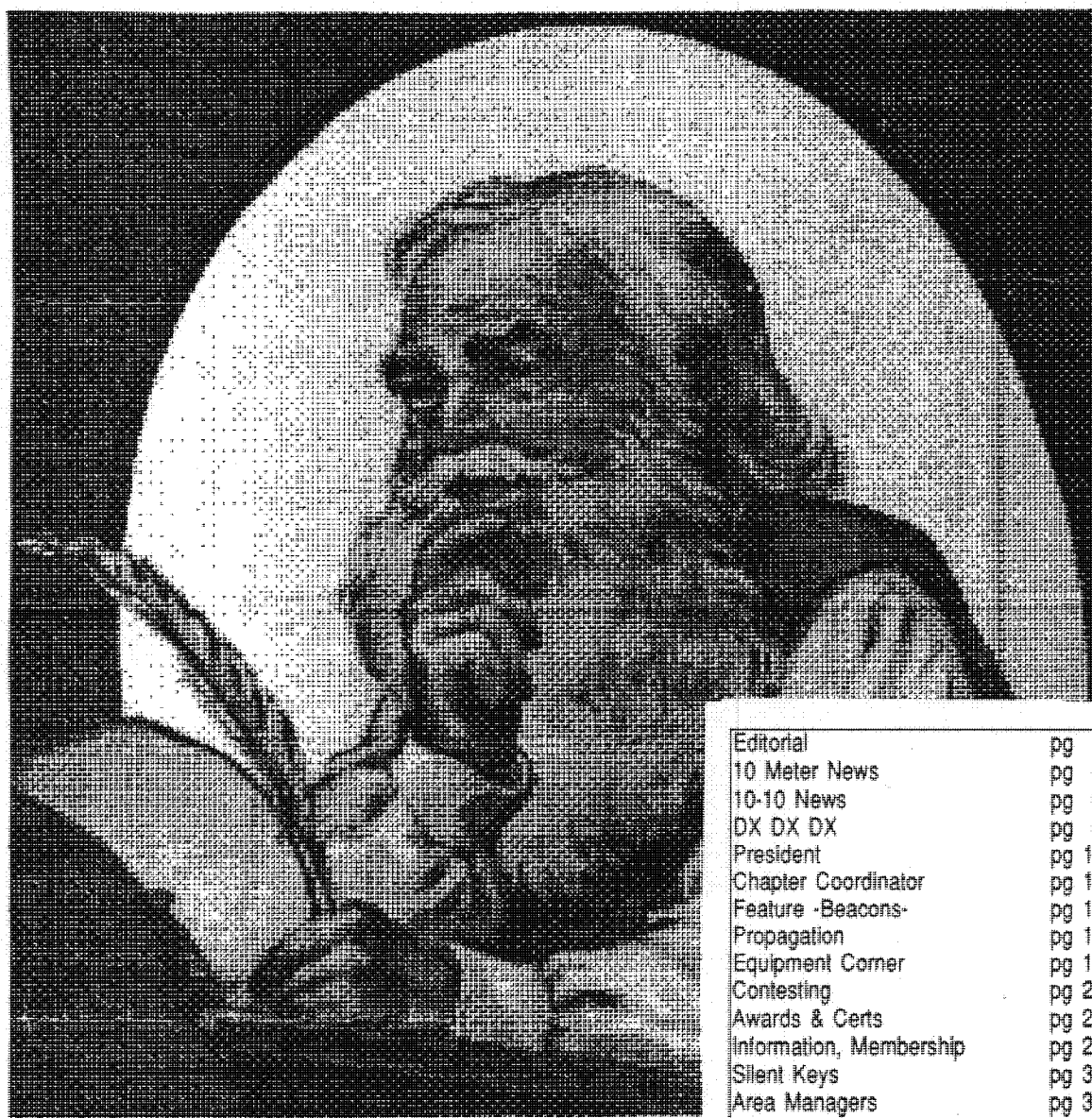
10-10 INTERNATIONAL *News*

WINTER



1990

VOL. 28 NO. 1



MERRY CHRISTMAS AND A HAPPY NEW YEAR
From all at 10 x 10

Editorial	pg 3
10 Meter News	pg 4
10-10 News	pg 6
DX DX DX	pg 8
President	pg 12
Chapter Coordinator	pg 13
Feature - Beacons-	pg 16
Propagation	pg 18
Equipment Corner	pg 19
Contesting	pg 21
Awards & Certs	pg 26
Information, Membership	pg 29
Silent Keys	pg 30
Area Managers	pg 31
Calendar	pg 32

Thanks to Diane and
"AFTERSHOCK" for Santa.

10-10 INTERNATIONAL NET OFFICIALS

President	Norm Lefcourt	W6IRT
Vice President	Morrie 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	WB6MGM
Roster Manager	Dee Gilbert	KA6HQJ
Supply Manager	Dave Prichard	KA5OVO

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, 4630 Towne Square Court #12, Owensboro, KY 42301. Telephone: (502) 685-2075.

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) 640-3080.~~

Please see page 12.

Deadline For the Next Issue is

MARCH 15, 1990

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 Tielemann	N9CDO
0	Judy Long	WD0DHH
VK	Les Olsen	VK2JLO
ZL	T.J.(Mac) McKenzie	ZL3RK
All other DX	Carol Hugentober	K8DHK

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

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 lable 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.

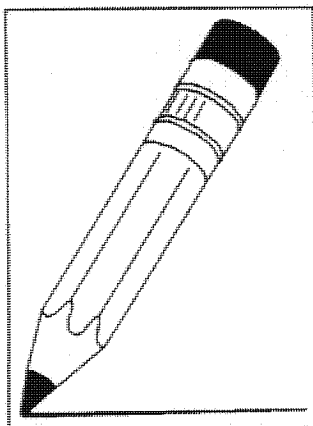
10-10 INTERNATIONAL NET CONTROL STATIONS

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

10-10 SCHOLARSHIP FUND DONORS

EDITORIAL

The last issue may have arrived a little late thanks to the U.S.P.S. It was shipped to California for printing



on the first of October but never arrived. To this day we don't know where it ended up. We had to redo the entire magazine. Sorry for the delay.

The whole issue of delays, in getting copies to members, is one that needs to be addressed. I just found out that Australia is doing its own version of the 10-10 News because they are not allowed to receive the 10-10 News by air mail. I also understand that Mike F3CY produces the "European Bulletin."

I quote from the "Newsletter of the Twenty Eight Chapter" in Australia. "For a long time, I (and many others) have been concerned at the time that the "10x International News" takes to get to this part of the world: at least 3 weeks AFTER the dead-line for the next issue!! This was really brought home to me when, on May 22nd last, I received a copy of the "News" (Postmarked Feb.22nd) the front page of which urged me to HAVE A HAPPY JULY 4TH !! (1987). THIS WASN'T NEWS IT WAS HISTORY."

I just got a card from Giran, 10-10 #36963, E8BYU, who said "the summer issue arrived on the 20th of October which makes a lot of the information out of date." Like many others the question is "I think you should consider airmail postage for DX members."

I'm too new to understand the politics involved but it's my understanding the

powers to be will not authorize air mail delivery. I assume the powers to be are all located in the USA and therefore don't have to wait forever for their copy.

Apparently at Dayton one of "the big gripes" was that DX stations were either not getting their copy of the News or getting it late, thus missing out on news and activities of other Chapters, etc." We as a group cannot allow that to happen. I understand some "OM/YL teams" have tried to send out copies to DX stations but that isn't a solution.

We all suffer from this situation, not just those who don't receive their "News" until the paper has turned yellow. We become disjointed and separated. The "News" helps link us together and work together. I certainly commend those doing separate newsletters but that doesn't solve the issue either.

I appeal to the Board to authorize air mail service to "all" who want it. And let's do it now, not later. Let's announce in the next issue costs associated with air mail service so those who want it can start it now.

And let's get all those of you doing newsletters to send in that great data for use in the 10-10 News so we can all share. Whether in Subiaco, Australia or Bully, France or North Reading, Massachusetts. We all want to hear what the others are doing. Don't fragment 10-10, enhance it. And that means the Board must act to prevent fragmentation.

And just so you DX stations don't feel alone, there is apparently similar problems in the USA. Judy Long has been contacting Officers and Board members trying to get "some kind of action" to a lot of complaints concerning our current members not receiving their quarterly 10-10 News. "Most of these complaints are valid."

I can attest to the problem. It was over a year before I got my first issue of 10-10 News, in fact I didn't even know it existed for over a year.

We are trying to turn out a real professional magazine that fits all the

needs of all members. This is not a USA publication but "International". We need input from all parts of the globe to make it work and we need to get it to all the members in a timely fashion. Let's everyone make this a priority issue.

Another topic which I was not going to get into, needs just a mention in this section. That is, this issue of no code. I am neither going to talk for it nor against it. But there is a movement now to require all currently licensed amateurs to have to retake the code and written test each time you renew your license. My question to you is that if this movement should result in such a new law, how many of you would then think that the no code license is not such a bad idea. How many of you would be able to pass the code test for the same class license you are at now?

The law states that every ham should be able to pass both written and code tests on demand, at any time. Yet I wonder how many of us could actually pass the code test right now if it was required. If the code is a valuable and necessary part of the amateur license than it should not be a one time requirement. It should be an ongoing requirement that every amateur needs to maintain and use.

So if the question was one of having to maintain code proficiency and take a renewal test in it every time you renewed your license, or eliminate the requirement (except for band allocation only for code) how would you vote then on code verse code less licenses?

Members have sent some modification information in on the HR-2510 which we will include in the next issue. Also some information on ten meter antennas. How about you sharing information with fellow ten meter amateurs?

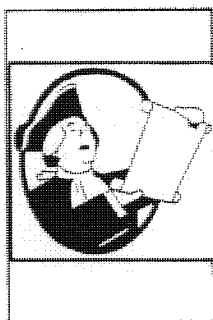
Thanks for the support. 73

Editor

10 METER NEWS ****

UK HAM MURDERED

Police are looking for help from hams operating on ten meters to solve a murder.



Last July, Peter Dixon, G0HFO, and his wife

Gwenda were murdered while on vacation in South Wales. The Dyfed-Powys Police are still anxious to talk to any person who contacted Peter as GW0HFO mobile between the 19th and 29th of June. It is believed that Peter Dixon had a contact with a mobile station on 10 meters using FM on the Wednesday morning the 28th of June. They also believe that he contacted someone named Tom on Sunday the 25th of June, although they do not know which band the contact was made. Dyfed-Powys Police would like to hear from those two operators in particular, however anyone with information is asked to contact the Murder Incident Room at Haverfordwest Police Station. The telephone number is 0437 763355.

TRUCKERS INVADE TEN METERS:

In the Los Angeles, California Area the space between CB and 10 meters (27.410 - 28.000) has become known as "Hispanic CB". However, apparently this unallocated portion of the band is not enough for the illegal operations, word is that they have now moved into the 28.0 - 28.3 portion of the ten meter band. There have also been reports that some of the truckers have found this part of the ten meter band a quiet refuge from the channel 19 noise.

Apparently this is nothing new. ARRL has been advised of this for sometime, as well as FCC and the OO's. In one case a ham T-hunted some of the offenders and gave the addresses to the FCC.

This appears to be more than a local problem since some of this traffic may

be originating in Mexico.

You may want to keep an ear out and see if in fact there is a problem that needs to be addressed much as what occurred with the Taxi cabs in NY.

LICENSE FEE BILL IN THE HOUSE:

The chance of having to pay for that ham license, upgrade and change of address draws closer in spite of opposition. On September 20th House bill HR 3299 was introduced. ARRL is said to be very concerned.

ORBITAL DATA ON LINE FROM NASA:

If you are looking for the most current satellite orbital data check the NASA Prediction Bulletins carried on the Celestial RCP/M, (513) 427-0674 available 24 hours/day at 300,1200, and 2400 baud using 8 data bits, 1 stop bit, no parity. This bulletin is updated several times per week with latest tracking data.

MICROSATS DELAYED:

Faulty system controls for satellite separation has delayed Microsat launch V34, V35 and V36. Launch V35 carries four microsats from AMSAT and Weber State College and two UOSATS from the University of Surrey, England. Launch is expected now by time of publication.

10 METER MEDICAL NET:

MARCO (Medical Amateur Radio Council Convention) operates a Meter DX Net at 1945 UTC, Sunday, on 28.350.

10 METER USENET UN-NET:

If you want a different experience in 10 meter nets try this one. 28.410 and 28.390 1500 to 1600 UTC on Saturdays.

AMATEUR EQUIPMENT SEIZED:

New Jersey has joined New York in forbidding possession of equipment that is capable of receiving local government frequencies. New Jersey law NJS 2A:127-4 states that any person who "installs or has in any automobile, a short wave radio receiver operative on frequencies assigned by the FCC for fire, police, municipal or other governmental uses, is guilty of a misdemeanor, unless a permit therefore has first been obtained..."

The Electronic Communications Privacy Act of 1986 does not prohibit reception of police, fire and other governmental broadcasts open to the public (in other words not scrambled). That has not stopped the police from seizing amateur equipment which incidentally receive such frequencies.

ARRL has filed 96.415 with FCC asking for the rule to read: "Notwithstanding any state or local law to the contrary, and except as may be specifically prohibited by the laws of the USA, any station apparatus may be used in an amateur station, fixed, mobile or portable, whether or not such apparatus is incidentally capable of operation on frequencies assigned to another service."

Such wording would hopefully protect the licensed amateur from arrest and seizure while having ham equipment in his vehicle that is also capable of receiving government frequencies.

10 METER NET ON HURRICANE:

The Hurricane Watch Net on 14.325 MHz utilized a ten meter net, 28.450, in providing damage assessment reports from Puerto Rico. W1AW utilized the 28.450 MHz which serves the needs of Spanish speaking amateurs in Puerto Rico. The HQ staff was assisted by Jose Santiago, a representative of La Casa de Puerto Rico of Hartford, who translated damage reports for the HQ staff. Contact with the net was maintained for several hours after the net controllers asked for assistance from the US mainland.

ARRL made telephone contact with Puerto Rico Section Manager Alberto Valdejuli, WP4CSG, on Tuesday afternoon and by Wednesday, an emergency network on 28.450 was announced for messages going into Puerto Rico.

ELIMINATE ALL HAM CLASSES:

One of six new proposals filed with FCC would eliminate all separate classes of amateurs. Others eliminated or changed the code requirement.

WORLD SCOUTS ON TEN:

On the weekend of October 21-22, the World Scout Bureau, Geneva, Switzerland, JOTA, ran on 28.350 and 28.190 MHz.

FREE EMERGENCY GUIDE:

FEMA (Federal Emergency Management Agency) is offering a free emergency preparedness guide entitled "Millions of Americans Have Experienced Disaster - Are You Prepared?" This 18 page booklet reviews the Civil Defense organizations in the country, how they work in times of natural and man made disasters, and heightens public awareness of the value of such an organization in their communities. "Are You Prepared?" can be obtained at no cost by writing to: FEMA, PO Box 70274, Washington, DC 20024.

10 METER SATELLITE DOWNLINK:

The allotted downlink for 10 meter satellites is 29.300 to 29.510 MHz. This allocation is part of International agreement for MODE A satellites.

FM stations have been using this part of the band and causing interference with the downlink. Please avoid using FM in the frequency range.

10 METER DURING QUAKE:

Editorial note: Gene Kroll (KE9MA) of Wisconsin has filed the following earthquake report.

Many people believe ten meters is for collecting 10-10 numbers and belonging to 10-10 Chapters. They collect point values from the different 10-10 Chapters to earn certificates and seals for certificates. I admit, I'm a "paper chaser" and enjoy doing it. But ten meters is a whole lot more which 10-10 makes possible.

On October 19th of this year, I was running an informal net for Citrus Belt Incorporated on 28.415. After exchanging points with some of the members for about half an hour, I started getting calls from all over the United States from amateurs asking me if I could get into the affected areas from the San Francisco earthquake that had taken place the day before. I had already helped out the night before as a relay on 20 meters. People were concerned about their loved ones and friends. Since I was already talking to California at the time, I decided to start an emergency net to try and help. I had never run an emergency net before, but decided to do the best I could. I asked for relays to

help me start the net. Marion, WA6TGR; Pat, KH6OE and Jim, KB6RSW volunteered immediately to be my relays. Marion was in northern California, Jim in Mentone, California, and Pat in Hawaii.

We started taking messages from all over the United States, and a few DX countries. Marion volunteered to make calls to her sister who lived in the 415 call area that was affected by the quake. Her sister, not an amateur, took Marion's messages and called people to see if everything was okay. Then she would call Marion back to give her the needed information. Marion relayed these messages to me and I relayed them to the concerned amateurs. Pat and Jim picked up amateurs in the areas I couldn't copy and relayed back to me.

After about an hour of relaying messages, WD6BPT in Fullerton, California, asked if they could join our net. I told them we would be happy to have them join us. WD6BPT is set up at Saint Jude Hospital and Rehab Center. They are affiliated with the National Disaster Medical System for the Red Cross. I asked them what information they needed me to relay back to them. They said they needed information on fatalities, injuries, needed medical supplies, and any information we could get from the affected areas. We were joined by their control center in Minnesota and messages were relayed directly to them.

In most of the affected areas, there was little power. Most of the telephone lines were out. Messages in and out of the affected areas were mostly amateur radio.

An amateur operator came down from 29.1 and said he would help us out by setting up a net on that frequency. What we couldn't handle, he said he would take. He was very helpful.

Our net ran for over seven hours. Ten states and two countries had pitched in to help during that time. Without the help of Marion, Pat, Jim and Saint Jude Hospital - and everyone else - many messages would not have gotten through. I played a small part as net control compared to these wonderful amateurs who helped. To them I say, thank you so much for all the help.

Ten meters is not only for collecting 10-

10 numbers and being a "paper chaser". It is also a very close group of amateurs getting together as a unit and helping out in times of need.

Editorial Note: Thanks to Gene, Marion, Jim, and Pat, and the 10-10 organization, it is possible to be ready for emergency situations. Ten meters is a very effect band because of the people - especially 10-10 people who are prepared. Nice job Gene.

MOTORCYCLING ON TEN METERS:

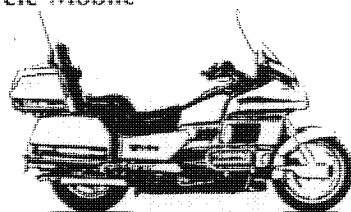
For those of you, like me, who have trouble chewing gum and walking at the same time, working ten meters while mobile in motion is a real challenge. If you really want to live dangerous try doing it on a motorcycle.

WB6ZEI

Motorcycle Mobile

Ron Collings
900 1/2 Palm Ave.
Huntington Beach
Calif. 92648-4090
U.S.A.

2011 4274
CLASSIC 25572
BUICK 410141



For Ron, WB6ZEI, 10-10 #51850, it's just a piece of cake. He has a Radio Shack HTX-100 mounted on his Gold Wing motorcycle. His goal is to achieve WAS as Motorcycle Mobile. In one trip alone he had QSOs with 22 states and 13 DX countries.

Dana Kirby often rides along with him doing the logging as they cruise across the California country side. They go for hours talking to anyone and everyone who responds to his "CQ motorcycle Mobile." Who could resist?

Ron has earphones in his helmet (as does Dana, and a boom mike. He uses a cut down 11 meter broad band stick fiber glass antenna mounted on his light bar.

So if you hear some one calling "CQ Motorcycle Mobile" on ten meters say hello. It just might be Ron.

10-10 CHECK-INS UP:

Check-ins on 10-10 nets highest since 1983. September had daily average check-ins of 24, October daily average check-ins was 26 and November was 33. One day in November reached a high of 56 check-ins. Thanks to Sherm, K6PTF.

10-10 NEWS ****

A THANK YOU:

Pat Jungwirth, WG6L, one of the recipients of the 1989/1990 10-10 International Net, Inc. scholarship awards wants to personally thank all you who made this

possible. And he also shares some information on himself.

I'm 21 years old and currently hold an Extra Class license. I entered the world of Amateur Radio as a Novice back in 1983. My father, Bill, also holds an Extra Class license--AA6S.

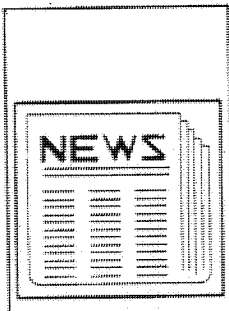
In the spring of 1988, I graduated from the College of the Sequoias with an Associate of Science degree in Math and Engineering. Currently, I am a senior studying Electronic Engineering at California Polytechnic State University, San Luis Obispo. I am working towards a Bachelor of Science degree and possibly a Masters Degree. I would like to design and build microwave equipment.

I am active on 80, 20, 15, 10, 6 and 2 meters. Last year, I served as Engineering Council representative for the Cal Poly ARC. I am also a member of the ARRL.

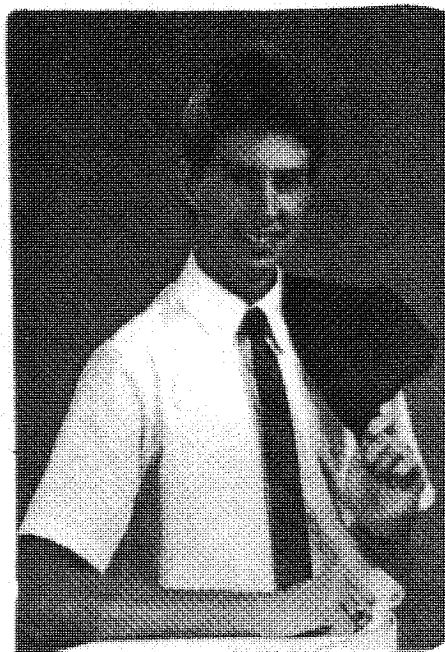
Again, thanks for helping me to reach my dream in this great scholarship offered by 10-10 International Net, Inc.

THANKS FROM A PARENT:

To all you wonderful 10-10 members. Thank you so very much for choosing my son for one of your scholarships in 1989. As you already know Lesley will be attending the University of Alabama in Huntsville this fall and pursuing a degree in Electrical Engineering with a specialty in Optics. UAH has raised tuition cost starting the fall of 1989 to the highest level of any state supported school, so you can see why we are so thankful for the help from 10-10



International on Lesley's education. We feel that Lesley will do fine in college because he has always been a self motivated person never having to be prodded to get his homework done, keeping schedules and being helpful whenever he can, either at work, school or on the farm. Again thanks from all of us: Joe Walker--KD4ZO, Joan Walker--N4GRU, and John--future ham.



Lesley Walker, N4FTJ
Scholarship Winner

ANOTHER THANKS:

From Lesley, N4FTJ, comes a thank you to all the 10-10 members.

The scholarship you all gave me will help very much toward my education at the University of Alabama this fall.

I got my novice ticket at the age of 9 in 1980. As all of you are aware at that time the VEC program was not in effect and the next closest hamfest was 3 months away, so my Dad and mother drove me to Atlanta, GA to take the Technician test at the FCC office there.

While in high school I was Key Club President, Student Council Treasurer, members of Beta, Math, and Science Clubs, scholars Bowl Team, Sparks for

Christ, SADD, and FFA. I had the opportunity to be on two great winning basketball teams in Jr. and Sr. years with a combined total of 51 wins and 11 losses, winning the county and area titles and going to the final four in the state in 3A competition.

In ham radio I enjoy 2 meters, 10 meters and Field Day. I have been an ARRL member since I was first a ham.

I've worked with the Red Cross, Sunday School as teacher, neighborhood watch, and local volunteer fire department. And if there is any time left I enjoy skating, swimming, archery, hunting and most of all jet skiing. Again thanks for the support from all of you on 10-10.

Editor Note: This gives you all a chance to see the type of students you are helping. Remember the scholarship fund so we can continue to help others in the future. They are worth it.

LIFE MEMBERS OF 10-10:

The following are life members of 10-10 as of September 18th, 1989. If I've missed anyone please let me know.

00040 N5CUQ Buehren D. Anderson
00050 K5DIT Edmond B. Corliss
00070 W1EED Joseph Poges
00296 W6MXT Fran Levy
00310 WA9TSG Joe Williams
03159 WA8OXS Bob Nickel
04189 W6EHM Morrie Goldman
04756 W5NHP Jim Ayres
04939 W4ZAA Wendell H. Rushton
05145 W0ERZ John Ellison
06090 WB2SJQ Marvin Hagan
06271 W4KM Dexter Anderson
08121 KD4GW Claude R. Fontaine, Jr.
08818 WA7QED Tom Frazee
08954 W7KGO Dale Firebaugh
10524 WB6HMB Basil D. Rose
10937 WB6IJY Jack L. Ruckman
13326 K7KTP Richard C. Prather
14076 AE2L Joshua J. Brehm
15596 WA5LTM Tim Mauldin
16154 N8FU John Hugentober
17309 WA6PZK Daniel Sherwood
18630 WA6YED Adrienne Sherwood
19698 K7LZJ Steve Goggans
19785 WA6KCU Kirby L. Anderson

20999 WB4ZSM Audrey Brown
 21244 K6KXR Robert B. Degraff Jr.
 21274 WA6POZ Gerald Gross
 21294 WN6B Richard L. Sams
 21366 WA4QZU Hugh Sullivan
 22606 WB0YZW Bertha M. King
 23269 W6KVA James Jensen
 24949 ~~KC5CP~~ Mike Davidson
 25057 NC6V Richard Corlew
 25354 N8DCQ Glen W. Sironen
 25468 N1API Alan V. Kaiser
 26001 WB1DBZ Emile H. Montplaisir
 26631 WD5IBX Robert Lucas
 27571 N5AFV Allen F. Mattis
 28290 AF0Z Jim Kassel
 29567 WD8PFD Bill Craig
 29588 K8DHK Carol G. Hugentober
 30439 N8CEO Maurice Schietecatle
 30939 VE7ACM Garry Cameron
 31735 WB2SGI Kenneth Jones
 32814 WD8DWR Victor L. Gregowski
 33234 KE4QO Randy Key
 33237 KM4HM Jerry Johnson
 33519 WA5QNH Rudy J. Duchan
 33751 KH6DRT Evillo Abreu
 33876 K3TC Thomas J. Calomiris
 34378 N7AVK Lewis W. Sayre
 34511 KA4LHG Jim Waldrop
 34669 KX5U Al Ogrizovich
 35431 N8EOA Virginia Schietecatle
 35528 WA3WHX Donald B. Houtz
 36388 KF5UN Rod Adams
 37190 ~~KC1CP~~ Pete C. Matson
 37234 ND5F Harold Parker
 39499 N5NKK Kay Adams
 39650 N7HDB Gini Segedi
 40058 WQ5Y Dave Paperman
 40510 WA2HMM Charles Rankin
 40939 IK1HJQ Marco Bissoletti
 41011 W3SV Michael Pozzani
 41159 W4RNL L.B. Cebik
 41354 W8IIO Walter E. Keck
 41355 WD8MZD Olga Keck
 41436 N5ASX Ann F. Lucas
 42357 KA9SPA John A. Callaman
 43056 KF1B Dr. Edward S. Eby
 43428 KA0ZIA Stephanie Fox
 43428 KA0ZPP James Fox
 43439 WA0SSA Homer Kibbee
 44977 KB7ARN Roger Allen
 45134 WF2S Stephen Licht
 45274 KC1FV Rick Parent
 45505 N9FXS Mervin L. Rennich
 46310 KA6VZL George O'Brien
 46317 N6RVZ Jeffry Geller
 46667 N1ES E. Ray Sparks
 47347 KB4OLM Clinton E. Campbell

47478 DH0GAS Klaus-Dieter Graichen
 48136 WB1DMK William D'Agostino
 48553 KJ6LB David Leaf
 48829 KA8USE Rex A. Leiner
 49092 N4TZP Jean R. Cebik
 49126 G0KBA Peter Langtree
 49604 WA9KJE Sonny Hersh
 49824 K8AMG Gerald Justus
 50407 VE7AAP Janis Cameron
 50730 KC4FDK Carolyn Frazee
 52149 N5NYL Michael H. Bobinski

STATEMENT OF INCOME-FIRST QUARTER: by Gerry Gross, Treasurer REVENUE

MEMBERSHIP	\$15,703
INTEREST	<u>2,332</u>
TOTAL REVENUE	18,035

EXPENSES

OPERATING EXPENSES	\$11,250
AREA MANAGERS	1,208
OFFICERS & DIRECTORS	69
AWARDS AND CONTESTS	327
OTHER MANAGERS & SERV	<u>630</u>
TOTAL EXPENSES	13,484

NET INCOME (LOSS) \$4,551

SCHOLARSHIP FUND \$ 963.42

TOTAL ASSETS \$124,900

HELP WANTED:

All you ten teners listen up. Here is just the opportunity you've been holding back for. 10-10 is looking for a Bar Manager.

The 100-900 Bar Manager, Wayne Childress, has taken a job that will make him lots of money, but keep him away from home. As a result he will not be able to continue as the Bar Manager.

Wayne says the job has lots of benefits: You get lots of complaints, are allowed to work all the hours you want (and even a few you don't want), you get no recognition and equivalent pay.

Seriously, we do need someone to take over as Bar Manager and that should occur as soon as possible, before Wayne is so engrossed making money, he won't be available to help in the transition.

You just need to be willing to spend a little time and be able to organize and keep records. You'll get to work with a lot of nice people and help other members.

Give some thought to it and then send in your name and a little discription of why you think you could be the best person for the job. The only way to really belong to an organization is to work in it. So get those letters rolling into the the president today. Send them to Norm Lefcourt, 7713 Wilkinson Ave, N. Hollywood, CA. 91605.

COMMODORE SOFTWARE FOR 10-10ERS:

Bob, W1MXI, and Andy, N5CUQ, have developed software programs for Bars, Contests, VP, Dupe Check, and Upgrader. They are written for the Commodore 64 and 128 machines.

You supply a disk to them, and buck or two to cover costs and they send you the software. Bob's address is 83 Oak Avenue, Belmont, MA 02178.

Bob is looking for some feed back from users in regard to printers. Maybe you can share some of the following information with him. The programs above require different print modes, one of which, UPGRADER, requires three, namely regular size (pica), expanded (or elongated) and compressed. Different printers require different program coding.

An attempt is being made to upgrade these programs but Bob needs to know what printers are being used. Those of you who have Commodore machines (and perhaps also have the programs mentioned above but are encountering print problems) should write to Bob with the name of the printer and instructions as to how to activate the print modes, he could then work on getting them incorporated into the programs.

And for any of you who might want to get a copy of these programs, be sure to also include such printer information.

500 CLUB VP ROSTER GROWS

The 500 VP Club Roster has now over 2,200 VP numbers, calls and 10-10 numbers. The price is still a bargain at only two dollars and two FCS. Join up soon.

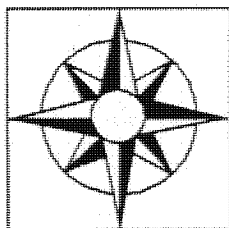
LIMITS FOR REQUESTS REMOVED

This bears repeating. Limits of the number of awards which can be applied for have been removed. Refer to information section of this issue for details.

DX ***** DX ***** DX *****

MORE ON UK PREFIXES:

Thanks to Colin, N6OET, also G4JPZ, we have some additional information on UK call signs.



The latest call signs issued in the UK were in the G0MH and G7FR series; in other words: G0MHA through G0MHZ and G7FRA through G7FRZ. There are only one by three call signs issued nowadays in the UK for regular calls.

GD is the Isle of Man prefix, GJ the island of Jersey, and GU the island of Guernsey (GJ and GU used to be simply GC, or the Channel Island). These areas have special status within the United Kingdom, but separate DXCC countries. Politically, they owe allegiance to the Crown, but have their own governments, taxation, etc. and are represented overseas by the British government.

G8 plus three letters are all 'B' class licenses.

G5 plus three used to be reserved for reciprocal license, these were all rescinded about three years ago (to the annoyance of many long time foreign residents). The holders of G5 calls who were permanent UK foreign residents were all issued G4 plus three calls. Visitors sign G0/plus home call. Incidentally, with a US call you must obtain a visitor's license.

GB plus two call-signs are issued for beacons and repeaters.

GB plus three are special events stations (there are some GB plus two permanent special calls left, eg GB2SM-Science Museum in Kensington and GB2RS-RSGB bulletin stations.)

Any call sign issued by the UK licensing authorities can simply add the new prefix when operating from another country within the group. For instance, Colin has operated as GM4JPZ when in Scotland (he is Scottish) and GJ4JPZ when in Jersey.

BOUVET ACTIVATED:

The Norwegians have announced plans to activate Bouvet in late December or early January 1990. Another effort is planned for February 1 and 2 with K7JA, W6OAT and 16 other operators.

DX PACKET:

The last report received said Dan, DA1DW, 10-10 #36753, is still operating packet radio in West Germany on 28.103 MHz. It is a Digipeater 24 hours a day. On Sundays he tries to be their in the flesh calling CQ. You packet radio buffs might want to give it a try.



Charlie, 1K6DPW, 10-10 #77482

K1BV DX DIRECTORY:

Ted Melnosky offers a DX Awards Directory with over 230 pages of features such as: Rules for over 1050 different DX Awards, 103 DXCC countries, NSA, CQ, 73 and CHC/IARS awards, unpublicized awards, club member lists, etc. It includes USA and Canadian awards.

I have not seen this loose leaf (8 1/2 x 11) 3 hole directory so I can't offer any additional information. It is said to include universal applications, effective QSLing

techniques, QSL bureaus, terms, etc.

The costs vary depending upon where you are. USA and Canada is \$15.50, DX ranges from \$14 to \$21 depending upon air mail. Ted's address is 525 Foster Street, South Windsor, Conn. 06074-2936.

DXPEDITION FREQUENCIES ON TEN:

The general understanding of what DXpedition frequencies are has been stated as 25 KHz or so above the bottom of each band for CW and for phone on ten it is 28.495 MHz.

10 METER DX ALIVE:

For those of you having trouble getting good DX contacts on phone, maybe you need to drop down and work CW. Ron, KF7JF, works 99% CW and about 65% of that on ten meters. Ron shares some of the contacts made recently on ten using 100 watts and a home brew vertical at 35 feet. JT0DX 28.008 2230Z, BY1QH 28.012 2300Z, BY4RB 28.025 2354Z, ZP6XDW 28.125 0005Z, ZK1CQ 28.020 2230Z, 9Q5UN 28.110 2210Z, UA0JB 28.020 0115Z, UA0KDL 28.029 0125Z, 5W1ML 28.008 2250Z, CO1HJ 28.125 1700Z, CM2RS 28.019 2350Z.

If you're not working stations like that then maybe you should move

down and start using that CW key. You may be missing out on some great DX.

NEW CANADA PREFIX:

Effective October 30, 1989, all new licenses in Prince Edward Island will have the prefix VY2. Present licenses may retain their VE1 calls or apply for the VY2 prefix. Nova Scotia and New Brunswick will remain VE1.

ANTARCTICA ACTIVE:

BJ1RL is active from the Japanese base of Ongie Island. QSL via the JARL Bureau.

SPECIAL POLISH PREFIX:

SO4HBN is a special Polish prefix. Those who thought it was western Sahara--sorry.

QSL INFORMATION:

A61AC and 9L1CM VIA Route 1, Box 11A, East Burke, VT 05832

HZ1AB QSL via K8PYD

UQ0GZW to Box 19, Ainazi, 229135 Lativa, USSR

JT0DX QSL via HA6KNB, Radio Club Salgotarjan, Box 115, H-3101, Salgotarjan, Hungary

CE0ZIG QSL via NR8J

HD8EX QSL Box DX, Cuenca, Ecuador

EL2E QSL via Home call HB9STY

TU2OP via Box 170, Abidjan 01, Ivory Coast

9Q5XX QSL via KC4NC

HD5Z QSL via home call W2JGR

UO5UQ QSL via Paul Terletsky, Box 405, Kishinev 277061, Moldavia

TG9VT or TG4VT QSL via W3HNK

UT5RP QSL Box 300, Odessa 270000, Ukraine, USSR

VY9CC QSL 300 Slater St. Ottawa, Ontario, Canada K1K 4B6

5K1R is Columbia

TE2M is Costa Rica

CH1ASJ is Canada

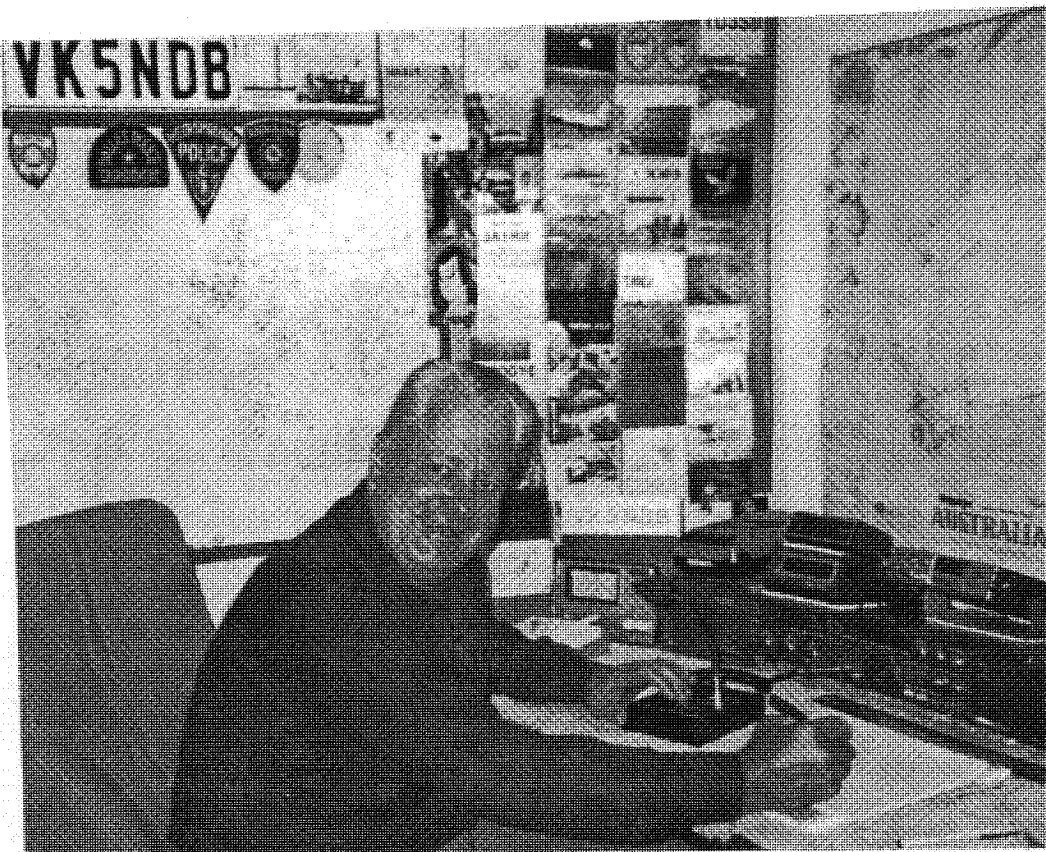
4M5RY is Venezuela

LOBOS ISLAND

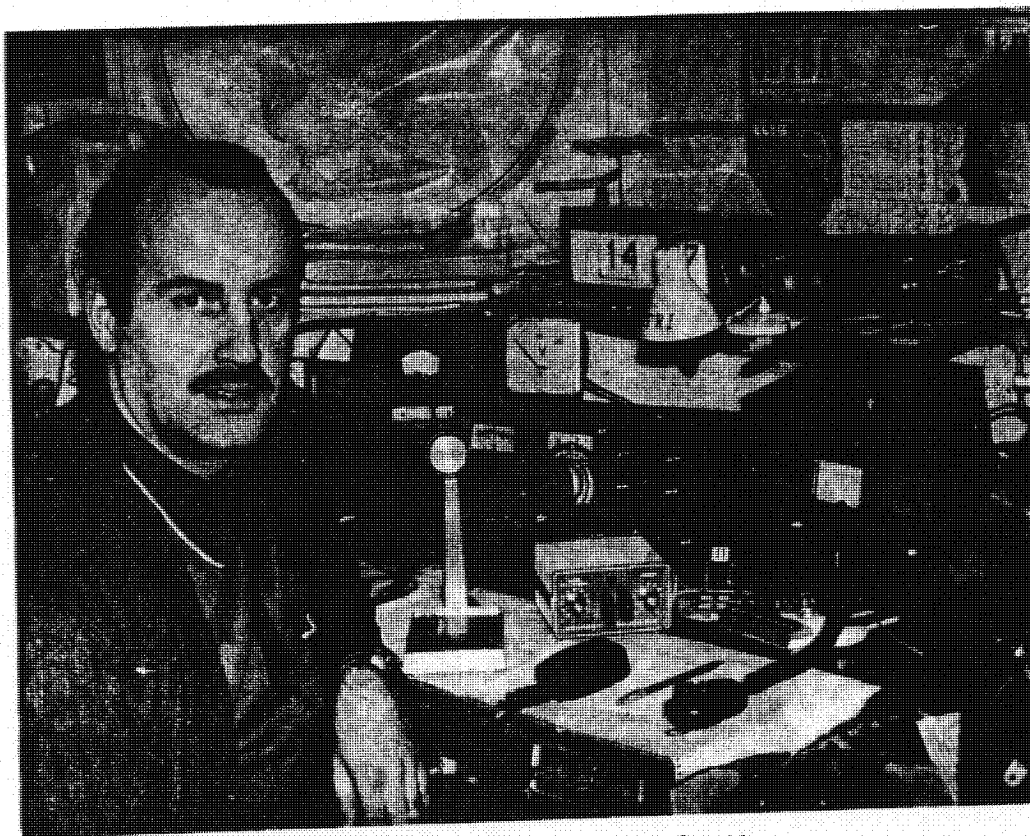
The Uruguay DX group should have activated Lobos Island by the time this is published. Call sign is CW0I.

DX HEARD ON TEN

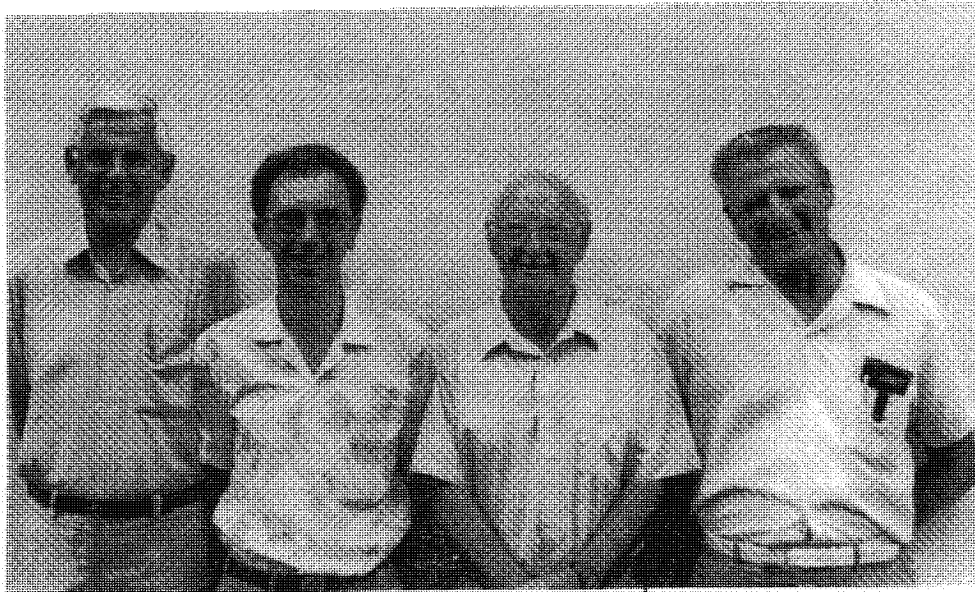
AT07	28.087	0032Z
YJ8AB	28.120	0150Z
4X1KP	28.087	0950Z
KX6OI	28.087	1012Z
8P6QA	28.091	2052Z
TR8CA	28.088	0614Z
KX6OI	28.093	0618Z
JT0DX	28.091	0805Z
TJ1MW	28.086	0908Z
ZS3GB	28.094	1708Z
A22BW	28.081	1734Z



Derek, VK5NDB, Elizabeth Downs, South Australia. 10-10 #34251



Delvoy Claude, F6BNQ, Bully, France 10-10/49119



L-R: Syd VK6PAY, Tony VK6PP, Cyril VK6OE and Les VK2JLO
All from that famous 28 Chapter down under



Tom, HA6IAV, In Front of the Statue Istvan Dobo
in Eger, Hungary. 10-10 #51533, Age 18

LIBYA

Libya (5A) should be active by the time you read this.

LESOTHO:

VE3JPC is scheduled to go to Senegal (6W) and then on to Gambia (C5) and then Mauritania (5T) with Lesotho (7P) some time in the early part of this year, 1990.

BANGLADESH:

RL8PYL, Alex, has sights on Kampuchea (XU) and Bangladesh (S2). He should have arrived by the time you read this.

MALI

TZ6VV will be in Mali for three years so you should have a good shot at that area. He is gathering RTTY gear for his stay there.

DX PACKET

DA1DW, Dan, also KA7AGN, is operating a digipeater out of West Germany on 28.103 MHz. It operates 24 hours a day with Dan at the key--live--on Sundays. Give him a call.

UK STUDENT LICENSE:

Tis the season for license reform. The RSGB in the UK is proposing a "student license" in addition to the current Class A and B licenses.

The license would allow 5 watts CW on several of the HF/VHF bands plus voice on 1.8, 28, and 430 MHz.

Although the code is required the technical tests apparently are not required.

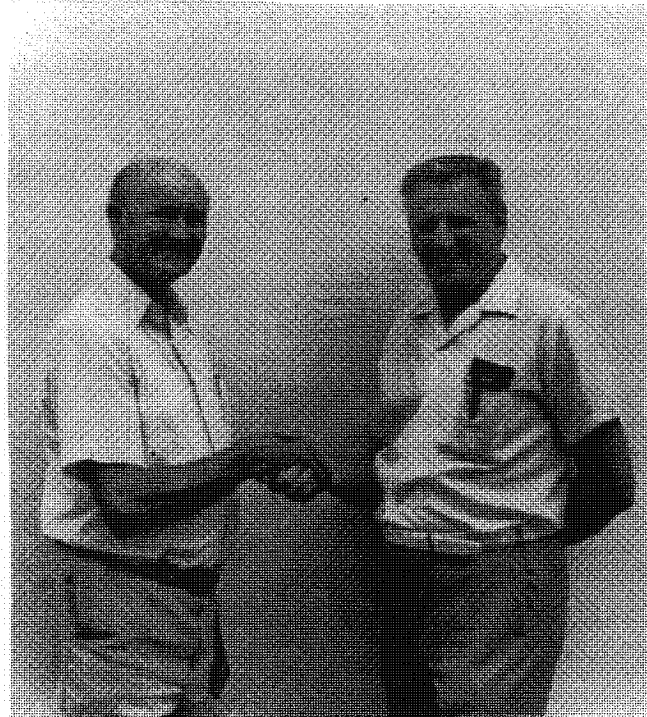
THE DXPEDITION FOUNDATION:

The DXpedition Foundation has been formed as a legal 502c3 tax exempt organization to foster the development of amateur radio operations and knowledge throughout the world. By encouraging and sponsoring DXpeditions to lesser developed countries. The DXpedition Foundation hopes to increase amateur radio activity in countries with small ham populations.

The DXpedition Foundation will support DXpeditions to relevant countries using funds raised from tax-deductible donation of equipment and money. The Foundation is headed by Jim Talens, N3JT, Fred Laun, K3ZO and Bob Sullivan, W0YVA.



Albert, CX4HS and Willy, PJ2WG
at IARU meeting in Orlando, FL



L-R: Rob VK6RG welcomes Les VK2JLO,
Australian Manager, to the 28 Chapter

The

28
CHAPTER

SALUTES.

10-X 30

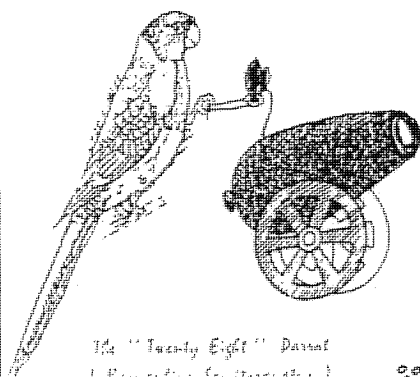
INTERNATIONAL
NET, INC.

IN ITS

28
YEAR

TH

(822)
10.



The "Twenty Eight" Parrot
(Barrister Semitropical)

$10 \times 10 = 100$
 $100 - 80 = 20$

Congratulations, Frank KF7CD for having
taken part in this special event. Your efforts
have earned you another 20 points
towards your Chapter Score.

CH

CM

Chapter 28 salutes 10-10's 28th birthday with this special cert.

Presidents Message

It's the holiday season again, the publication schedule of this News sort of precludes wishing everyone a Joyous Holiday season and a happy new year in a timely fashion. Please accept my best wishes.

Tom, K4CIH, and his entire nominating committee have done an excellent job. We owe all of them a great debt of gratitude. A list of candidates will appear in the next issue of the News.

Wayne, AA7AO, our 100-900 BAR Manager has taken employment which will result in his being away from home most week days. Wayne has done an excellent job. A replacement has been found. Please send your 100-900 bar applications to: Glen Harding K7OMK, PO BOX #133 Garden City, SD 57236.

I am also sorry to report that NSCUQ, Andy Anderson's, Doctor suggested that he had better shed his work load (or else). Andy had to give up the 1000-UP Manager position. Andy has done a bang up job for several years. The new 1000 up bar manager will be: Ed Neal N5EBA, 1414 Hiawatha Ln. Burkburnett, TX 76354.

Director Hugh Sullivan, WA4QZU, and I have been hard at work. Together we are designing and setting up the government operation of 10-10 for submission to the Board of Directors. The need to use the talent and ideas that the newly elected Directors will bring to the operation of 10-10 is obvious. We will expect continuing participation from all ten Directors.

At present the committee system is being considered. Each Director will be Chairman of a committee, Vice Chairman of a committee and a member of a third committee. The President and Vice President will be ex officio members on all committees. An example of committee's would be: Finance, Membership and Dues, Conventions, Communications, Publications, Rules and Elections, Planning, Public Relations etc.

Please remember, 10-10 is the Amateur Radio Organization for 10 Meters. Lets all work for 10-10, not against it. Try to be patient with the new Hams. Help them enjoy this great and wonderful hobby.

Norm W6IRT

Regarding the problem of timely delivery of the 10-10 NEWS as mentioned in the Editorial on page 3. Your Board of Directors has discussed the problem. The solution is very simple. Any DX member wanting AIRMAIL service could have it. Carol, K8DHK our DX manager will send a copy of the 10-10 News via AIRMAIL to anyone who wants it. Send Ten Dollars U.S. (\$10.00 U.S.) to 10-10 International, mail to DX Mgr, Carol Hugentober, 4441 Andreas Ave., Cincinnati, OHIO 45211, this will cover 4 issues. The Board of Directors do not feel that a subsidy of DX members by the entire membership is justified.

NOTICE TO ALL 10-10 MEMBERS: Frank Hicks, our Editor, has tendered his resignation to the Board of Directors. After a through discussion the entire Board has agreed to accept the resignation. Frank has been putting in many many hours and has been unable to spend enough time with his family, etc. The Board expresses its appreciation for his many devoted hours. Those of you sending material for the next issue please send it to W6IRT, 7713 Wilkinson Ave., N. Hollywood, CA 91605. This will be temporary and will be sent to the new editor as soon as the Board appoints one.

10-10 needs a NEW EDITOR Volunteer

Call or write Hugh Sullivan, WA4QZU, He will discuss the Editor's Job with you. Phone 502-685-2075 or write to: H. Sullivan, 4630 Town Square Ct., Owensboro, KY 42301

CHAPTER COORDINATOR

by Hugh Sullivan

SEASON'S GREETINGS:

Verlee and QZU hope each of you had a most joyous Christmas and we wish you the very best for 1990.

QRT FOR FAILURE TO REPORT ANNUALLY: The Chapters listed below are QRT for 10-10 purposes. They may not have Chapter scores counted for contests or participate as a Chapter in other 10-10 activities. The Certificate Guide Published by W4YHF is now recognized by 10-10, although not listed as such on Page 2 of the News, and Jim will probably discontinue listing unauthorized 10-10 Chapters.

The affected Chapters are: Beaver Valley, Bigfoot, Devil's Triangle, Diamond State, Grand Canyon State, Hatfield & McCoy, Iowa River Valley, Mohawk Valley, Noars Country, Nor'easter, Palmetto, Peninsula Southwest, QRP, Trail of Tears, Tulip, and Yukon Goldpanners.

If reports arrive before 31 December they will be reinstated without further action. Four Chapters just sent a short letter or notice of special event and will be QRT if a report is not received by 1 July 1990. They are: Michigan Water Wonderland, Milwaukee, Mont Ventoux and White Mountains.

Sorry about this, but I am not your Sitter (never could change a diaper). I note that 125 Chapters understand and willingly follow the rules.

QUARTERLY REPORT FORMS: I will be mailing a form for 1990-?? soon. Save the original and make copies for reporting when due.

PAPERCHASER'S LETTER:

KB6AN has sent out a Paperchaser's Letter (SASE to her). Communication is essential to any organization but care must be exercised in what is published - particularly the editorial comments. The following statements from the letter disturb me: "Judy came up with the idea that the zero call area could be split like

they did for the 4th call area, but the word came back "no" and she was told that WA4QZU, Hugh< and W4YHF, Jim, vetoed the idea". And, "If 10-10 International wants people to volunteer for jobs like this then why not". I resent the publishing of misinformation, one-sided opinions and accusatory editorial comment particularly when NO APPARENT ATTEMPT is made to ascertain the facts. Why did Judy ask to split the area? Why did the majority vote against it? Why were only two votes mentioned when seven people were eligible to vote? My vote was to split the area; I don't know the other votes, except I was told that I was in the minority. I stated that I would not make the vote unanimous, but would support the action of the majority. I will not engage in activity of an inflammatory nature which sets one member against another each time I disagree with a decision.

On 22 September 1989 I wrote a letter to all Directors encouraging them to review their vote in view of 10-10 being a volunteer organization. A copy of this letter is on the answering machine of KB6AN. Also, I thought the item on elections was sexist - more than 30 people, including several very capable YLs, are running for the various offices. Finally, "those folks will retire one of these days". Let me assure you that, if others feel that I am not working in the best interests of 10-10 of that my efforts as Director and Chapter Coordinator, are unsat, "this folks" resignation only needs to be dated - it was typed and signed when I was appointed to the jobs!

Maybe I just misread the intent of the comments - I hope so.

IF YOU DON'T GET THE NEWS:

I frequently get calls and notes stating that some are not getting the quarterly News. If you aren't, write Lee Pasewalk, WB6MGM, and include your current address and a copy of your current paid dues card. My lifetime membership, and I was one of the first, got lost in the shuffle until I notified Lee. Errors creep in when

you deal with thousands of records. The probability of error is even greater with a computer.

DAYTON MODERATOR:

Bill, W8PJY, informed me that he has "paid his dues" as moderator of the 10-10 Forum at Dayton, after several years at the mike. He asked me to be the moderator in 1990. I need your help. What do you want the forum to be? Do we want each attendee to introduce him/her self, I don't like political speeches by candidates, do we need a Memorial Fund update, what else?

MORE SOAP BOX:

Postage due - no SASE - pts not totalled - no indication of what appl is for - no basic # for ID, if you have one - requests for credit w/o details - same contact listed multiple times; I know some CMs who were nice guys before they became CMs. CMs are not Baby Sitters and that's not BS. Come on everyone - get with the program before some CMs QRT their Chapters in disgust. More than 4 sheets of paper usually cost more than 25 cents postage - remember this on SASEs, too, or the CM may not return everything.

HOW ITS DONE:

SK reports go to K5MRU for publication and to N8BYN/N8BBJ if they were Memorial Fund member. Billy the Kid had field day activities on the banks of the Rio Grande. Event was covered by both TV and Press. Ran Special Event Station during Las Cruces Festival. Activities resulted in Chamber of Commerce inviting participation on July 4th and Red Cross enlisting aid after Frisco earthquake. Ft. McHenry Nat'l Monument during Sep - 1613 contacts. They also had a checkin from Seoul, South Korea on the regular net. Possum Trot still has a hot CW net - 20 or more checkins. Gateway (non-propagating cert) frequently checks below 28.5MHz asking novices and techs to listen to the Gateway net hoping to provide some incentive to upgrade.

Lavonna, NOIWI, went from novice to extra faster than a speeding bullet and is now Sec of the Gateway and an avid paper chaser. Recent eyeball get-together and cookout for families offered bratwurst and chicken breasts; now that I have lost 31 lbs I can go back on the banquet circuit. Gateway participated in a 10-10 forum at the ARRL Midwest Conv in Kansas City. Houston SHOT presented a 10-10 forum (N5JQK and KA5OVO did paperchasing) at the TX ARRL conv - Seems like more ARRL convs are having 10-10 fora (forums if you prefer). A number of Chapters produce outstanding newsletters; Great Smoky Mountains and Suncoast are two I haven't mentioned before. SHOT likes contests - they hold the PHONE AND CW trophies currently and think they can't be knocked off the hill. They will score the phone QSO parties in 1990. They beat the report deadline by 21 days or they would not have been eligible in 1990. Get DX and propagation info on their weekly net.

WHAT'S NEW:

Air Capital - New CM for Basic is W0HIK 5 Angelina Dr. Augusta KS 67010 - K5ERJ is still CM for others - Airport Designator Special in January (OWB,LAX,ORD etc) - WAS starts 1 Jan, not retro, 5 Amelia Earharts(WC) can be used -5 pts for ea, WA0NGV is CM.

Baby Doll (KA3CNN) - get info on Baby Sitter, Build Your Radio and Build Your Antenna after 1000pt level - also +1 ea for Rattle, Pacifier, Safety Pin, Diaper Changer, Diaper Washer and Talc Powder - 3 others in the works.

Blackhawk Valley (W9KCM) - I am informed they are active - They were classed QRT for failure to file reports some time ago, so they will be on probation for 6 months.

Branding Iron (KA5VVD) - Two new programs - Flying A Brand eff. 10/1/89, work 6 of 9 VK call areas and 1 ZL, all must have Branding Iron, +20 pt, XIT Brands 1-5 are WCs, 1 WC max, deduct 5 pts if WC is used - Branding Iron II ct

program eff.12/1/89, need 5 cts or have BI#, ur pt value determines starting pts, 5 ups for various ct totals.

Chattanooga Choo Choo (W4UIQ) - Change Sat net freq to 28.785MHz - License upgrade program, cycle 22 cert is prereq, 10-50 pts for verifying ur present license plus pts for each upgrade.

Choo Choo Belles (W4UIQ) - YL-DX, +3 w/o 10-10#, +4 W/10-10#, +5 w/ChooChoo#, +10 for C C Belles #.

Cliff Dwellers - New CM K0WZX, 1419 Lane 20 1/2, Pueblo CO 81006.

Erie Extension Canal (WB8ZQW) - New ups for each 1000 pts from 4K thru 11K - SASE.

Fort McHenry - New CM is KA3SZR 8618 Richmond Ave, Baltimore MD 21234 - Sun net changes to 2359z vice 1700z

Lone Star - Change net day to SUN(cal) MON(zulu)

Mad Swingers (SM5DYC) - Net change - Sun 28410 MHz 1500Z

Michiana - New CM WD8AWS 31439 42nd Ave Paw Paw MI 49079

Mississippi Light House (WB5KYR) - 2 new upgrades, +2 and +5 - Flame Bearer, must have basic and 1st 2 ups + 25 cts - Beacon Shaft, must have basic and 4 ups + 25 new cts - both are SASE - ur IQ after all upgrades.

Niantic Bay (KC1CP) - special in Mar about baseball, find each regular player, pinch hitter, 4 coaches and 4 umps for +1 ea., manager +3, owner +2, ballpark +2, WCs too, submit call and pos by 4/15(US) w/SASE to KC1CP - eff 10/20 pts over 115,000 will be +1/400 - CW bonus prog QRT prospectively - all future upgrade apps must have points and seals totalled, must enclose SASE, no postage due apps, CM will return without action for failure to comply.

N.I.T.T (N9AVY) - Jan special - 20 lockboxes contain from 0-100 pts, 40

keys have been issued and takes 2 keys to open a box, collect all 40 keys and open all 20 boxes, call, key#(submit in multiples of 2) and SASE CM before 3/15 - wk 5 NITT WCs for NITT WITT seal, +10, SASE.

Ocean State (K1QFD) - CHANGE - from 4200 pts collected until ur pt value = 300 is +1 for 200 - +2 for each 500 pts collected after that - CW bonus is QRT.

Okie Relays (WA5EXY) - Okie Relays will be run on 5/19/90, time for an OK trip isn't it - WAS started in May and is retro - Al now has cover sheet which looks indispensable for upgrading a complex series of awards.

Outlaws on 10 (WD5EDR) - eff. 11/1/89 - cts not retro - Bounty Hunter - need Basic & Equalizer - write CM (inc. ur Basic & Eq. nos.) for rules, number and +10 - 9 ways to increase ur pt value plus 4 upgrades and WAS - no seals or certs, just numbers - SASE for all.

Prince of Pork (KA9SPA) - Net change and new net, T/F 28.340 2330 0030 - Sun 28.340 1600 1700.

Red River Valley (KD5DE) - R.E. Lee teams shud add "T" to #, worth +5 extra when wrkd together - Bicentennial seals given at Shreveport and Milwaukee are +1 ea. but u must apply for upgrade - attendees not getting seals send SASE to Mel.

Republic of Texas - "L" suffix and pt increase has been added to non-charter supporters who check into the net frequently.

Samuel Clemens (N1FNV) - Connecticut Yankee (VIP) for 1500 pts +30 C,L,HC,FS,FP,FC (last 3 on Basic only), +10 pts and IQ for you and +1 for ea one collected, SASE + .50 - +5 for paid up dues, +1 for net checkin, +1 for ea 25 like seals collected (FS counts as 3 seals) - extra pts for pts above 1500.

Santa Fe Trail (KB0ON) - Santa Fe and Frontier seals are optional vice required for Pioneer, Settler and other ups -

Anniversary special in Feb/Mar - Tnx for the "roses", Don, we all love to be stroked.

SHOT - New cert, Discovery, is a color plate of the Space Shuttle launching, info for SASE to WB5IGG.

Starlite (N0KQC) - eff. 12/10/89 - need 3CL or 10 cts for \$2 - ups are for cts from 15cts +5 C/CL to 200 cts - collected pts not applicable until after 10th up.

Twenty Eight (VK6RG) - both nets are on US Sat and VK Sun instead of last guide listing.

War Eagle (KD0TG) - Pt Value revision - +5 for paid dues, +5 per OM/YL team wkd, +20 for ct w/CH or CM, +5 for ea L or HC, +1000 for ea 25 War Bonnets wkd, War Bonnet is IQ, ur pt val = 10% of pts collected, Doug asks older mbrs to wrk a few and send in w/SASE so he can rework ur pts.

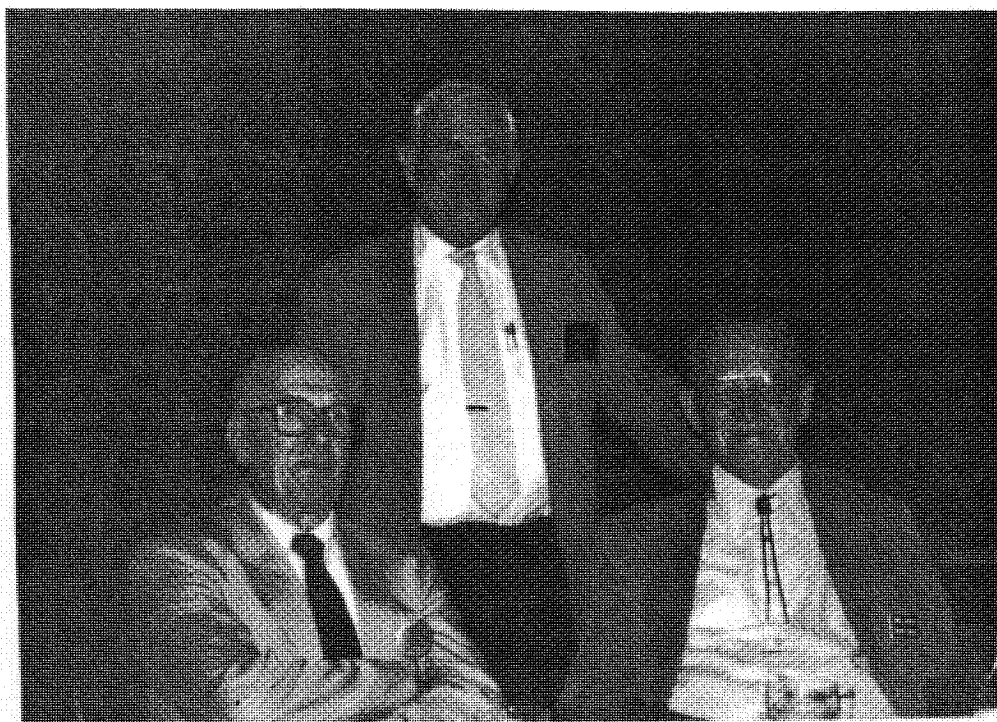
Wind Farms (KB6DLN) - P.O. Box 1385 Pleasanton CA 94566, basic for 100 pts and 2+2, log inc ur ID plus 10-10 Call Name ST WF# and pts of sta wkd - upgrade =+2 for 5 net checkins and 1+1, other ups for 500 and 1000 pts - log as above plus checkin dates.



Francis "Sonny" Cascio, K1SVP
Minute Man Chapter



A milwaukee get together with
KJ4FX, N4ILE, K8DHK, N8FU and NA80XS looking through the window



L-R: Bill K1LEZ, KO1M and Herb W1DSK
Minute Man of the finest order

FEATURE ARTICLE *****

AMATEUR BEACONS:

Many people hear about beacons on the amateur bands and wonder why. This is true especially for novices, but also for those who do not use ten meters very much. There have been many requests for more information on beacons in the 10-10 News, thus the reason for this article.

The major emphasis of this article is amateur beacons on ten meters. Although we will mention in passing, other beacons and bands it will be very brief.

Ten meters is well known for its wide fluctuation during a solar cycle. At the maximum point in the solar cycle you can contact a station around the world with one watt and a coat hanger. At the minimum part of the cycle you can't get across town with a full gallon.

That's just facts. Nothing particularly encouraging or helpful. That is what ten meters is all about. But band openings do occur through out the solar cycle on ten meters.

So, although ten meters is dead all day during the low spots of the solar cycle there are openings, sometimes big openings, during this part of the cycle. Scatter, meteorite burst, and sporadic-E can all open the band up. But during the low side of the cycle, the hams have all migrated to 20 or some other band. So it is often hard to tell when such openings occur.

Sporadic-E propagation is rather common on ten meters, at least during the spring, summer and fall. It has no bearing on the F layer conditions. So the migration from ten for a long period of time without checking ten for openings is a big mistake. Ten is useable throughout the solar cycle, and the real ten meter hams know this and take advantage of it.

But with the migration of hams during the low cycle periods, it is often difficult to tell when the band is open. The band could be wide open, but the population is so sparse just a quick tune through the band reveals nothing, thus to the quick tuner the band is dead.

So beacons were established on ten to help solve this problem. Beacons allow

the listener to monitor an established known, a standard that can be monitored and recorded daily or weekly, or whatever. The transmission characteristics are constant, so any measurements will be measurements of propagation, not just locations or power differences. During the time of low solar cycle activity, such measurements will flag the listener when the band is opening up to sporadic-E conditions.

Of course, the beacon can also be used to reflect band conditions to a particular area during the high solar cycle period. If you are familiar with a particular beacon in Spain, lets say EA3JA, and you check the known frequency of that beacon, in this case 28.247, faithfully, you will eventually hear it. And when you do, you know the band is open to Spain.

So the advantage of having beacons is that there is a standard, dependable (some more so than others) source of a known signal, power, and frequency to check for propagation conditions at any given time.

Although our main concern in this article is amateur beacons, it should be

BEACON FCC REGULATIONS

BAND PLANNING: RTTY activity generally occurs between 28.070 and 28.150MHz. SSTV activity centers around 28.680MHz. There is a new beacon band at 28.100-28.200MHz, replacing the old beacon band (until 1990) at 28.200-28.300MHz. Phone band is 28.300-29.300MHz.

A beacon station is simply a transmitter that alerts listeners to its presence. In the Amateur Service, beacons are used primarily for the study of radio-wave propagation--to allow amateurs to tell when a band is open to different parts of the country or world. Accordingly, FCC defines a beacon: "An amateur station transmitting communications for the purposes of observation of propagation and reception or other related experimental activities."

Section 97.203 addresses beacon operation. Automatically controlled beacons are limited to the frequencies above. Manually controlled beacons do not have the same restrictions. Transmitter power of a beacon must not exceed 100W. Any License class, except Novice, can operate a beacon station.

obvious that the same advantage can be made of shortwave broadcast stations and time standard stations. If you have a programmable transceiver (or even a scanner) you can program in the frequencies of known amateur beacons or time standard stations, or other regular station that maintains a constant power and frequency. Time standard stations are often used in the USA for calibrating MINIMUF.

The key to this type of propagation monitoring is to maintain a log so that you will know if the propagation has really changed. Record the signal level of all stations you intend to monitor. Compare them each time you check for a propagation change.

You should also listen to them at different times of the day to establish the propagation of the particular area you are listening to at any given time to try to contact that area.

So beacons, or other stations, will allow you to plot on a graph, the propagation characteristics of your area as compared to other areas throughout the world. An understanding of the changes in the F layer during the changes of the day, and changes of the season will make you a much better DXer. You won't waste your time calling or listening for Germany if you have already established that the best time to hear Germany in the month of July is between 12:30 and 1:45 local time. And you may only have one hour when it is opened up into a particular area.

So global propagation should be part of your ham station paperwork. Granted, propagation changes, but the basis of the propagation is standard.

Another use of beacons is for comparison of antennas. Granted, you can't check your ability to get out with that particular antenna to the particular area, but you can determine the best for receiving. And if you can't hear them, you can't work them.

So a good way to compare one antenna with another for getting into Hong Kong is to tune in VS6TEN at 28.290. Switch between antennas and see what kind of difference occurs. Do the same thing at different times to see if one antenna is better at one time than another. A vertical may work best in the

morning, a beam best in the afternoon.

When doing such checks be sure to take into account the type of antenna used at the beacon. Polarization may affect the results with the beacon and the results with an amateur station using a different type of antenna.

So the beacon allows you the chance to do some of those experiments you always wanted to do. But remember, do it consistently. And record each measurement so you have a solid basis for such comparisons over a long period of time.

There are many amateur beacons on ten meters, between 28.1 and 28.3 MHz. (See table for current regulations) Generally, these beacons are operated by DX clubs and organizations, although there are some individuals who also have their own beacon. See the list of known beacons,* courtesy of Joe, K2OLG, who might also be a good source for additional information regarding beacons. But remember that beacons, even more so than repeaters, come and go. The list will change. But check around with others who use them. Also listen on the beacon frequencies for new ones.

Now you too can become a propagation expert, and that is not said in jest. Your area is different than anyone else's area. Others can give you general information but it is up to you to determine specific propagation for your home QTH. Maybe you might want to set up your own beacon. Good DXing.

10 METER BEACONS

28.050 PY2GOB San Paulo, Brazil 15W,V
28.175 VE3TEN C Ottawa, Canada 10W,GP
28.191 VE6YF Edmonton, Alberta 10W
28.195 IY4M R Bologna, Italy 20W,5/8GP
28.200 GB3SX C Crowborough, UK 8W,DI
28.200 KF4MS C St. Petersburg,FL 75W,GP
28.201 LU8ED Argentina 5W
28.2025 ZS5VHF Natal, RSA 5W,GP
28.205 DL0IGI C W. Germany 100W,V/DI
28.206 KJ4X Pickens, SC 5W,DI
28.2075 W8FKL C Venice,FL 10W,V
28.208 WA1IOB C Marlboro,MA 75W,V
28.210 3B8MS C Mauritius GP
28.210 K4KMZ I Elizabethtown,KY 20W,V
28.212 EA6ROM Palma De Mallorca 4W,5el
28.2125 ZD9GI C Gough Is. GP
28.215 GB3RAL C Slough, Berkshire 20W,GP
28.2175 W8UR Mackinaw Is, MI 5W GP
28.2175 WB9VMY C Calumet, OK 2W, DI

28.2195 LU4XS Cape Horn
28.220 5B4CY C Cyprus 26W,GP
28.222 W9UXO C NR Chicago, IL 10W,GP
28.2225 HG2BHA C Tapolca, Hungary 10W,GP
28.2275 EA6AU C Mallorca, Balearic Is 10W,
28.230 ZL2MHF C Mt. Climie, NZ 50W,V/DI
28.231 N4LMZ C Mobile, AL 2W, 5/8GP
28.232 W7JPI C Sonolita, AZ 5W, 3el Yagi
28.233 KD4EC C Jupiter, FL 7W, GP
28.235 VP9BA C Hamilton, Bermuda 10W,GP
28.2375 LA5TEN C Oslo, Norway 10W,5/8GP
28.2405 5Z4ERR C Kilambu, Kenya
28.2425 ZS1CTB C Capetown, RSA 20W,1/4V
28.245 A92C Bahrain, DI,NW/SE
28.247 EA3JA Barcelona, Spain
28.2475 EA2HB I Spain 6W, GP
28.248 K1BZ C Belfast, Maine 5W,V/DI
28.250 KOHTF C Des Moines, IA 2W,GP
28.250 4N3ZHK C Mt. Kum, Yugoslavia 1W,V
28.250 Z21ANB C Bulawayo,Zimbabwe 15W,G
28.252 WJ7X Seattle, WA
28.252 WB4JHS I Durham, NC 7W,V
28.2525 OH2TEN Finland
28.255 LU1UG Gral Pico, Argentina 5W,GP
28.2575 DK0TEN C Arbeitsgen,W.GER 40W,GP
28.260 VK5WI C Adelaide,Australia 10W,GP
28.262 VK2RSY C Sydney, Australia 25W,GP
28.264 VK6RWA C Perth, Australia
28.266 VK6RTW C Albany, Australia
28.266 KB4UPI C Birmingham, AL 20W,1/4V
28.2685 W9KFO I Eaton, IL 75W,V
28.270 ZS6PW C Pretoria, RSA 10W,3el Yag
28.270 VK4RTL C Townsville, Australia
28.2725 9L1FTN I Freetown,Sierra Leone 10W
28.275 AL7GQ C Jackson, MS 5/1W,loop
28.2755 N6RDX I Stockton, CA 20W,3el Yagi
28.2775 DF0AAB C Kiel, W. Ger. 10W, GP
28.280 LU8EB Argentina 5W
28.282 VE1MUF C Fredrickton, Canada 5W,DI
28.282 VE2HOT C Beaconsfield, Que 5W,V,DI
28.284 VP8ADE C Adelaide, Antarctic,8Wvb,
28.286 KA1YE Rochester, NY 2W,V,DI
28.287 W8OMV Ashville,NC 5W,GP
28.287 H44SI C Solomon Is. 15W
28.288 W6IRT California 5W,GP code pra
28.290 VS6TEN C Hong Kong 10W,V
28.292 ZD8HF Ascension Is.
28.2925 LU2FFV San Jorge, Argentina 5W,GP
28.295 WC8E I Cincinnati OH 10W,Ringo
28.296 W3VD C Laurel, MD 1.5W,V,DI
28.297 WA4DJS I Ft. Lauderdale,FL 10W,LW
28.300 PY2AMI C San Paulo, Brazil 10W,V
28.301 ZS1LA C Stillbay, RSA 20W,3 el Y
28.3025 PT7AAC Fortaleza, Brazil 5W,GP
28.306 PT8AA Rio Branco, Brazil 5W,GP
28.315 ZS6DN C Irene, RSA 100W,V
28.888 W2NZH I Moorestown, NJ 3W, GP
28.992 DF0ANN Moltitzberg, W.GER 2W,1el

NOTE: DI=Dipole, V=Vertical, GP=Ground plane, Y=Yagi, 3 el=3 elements, C=Constant, I=Intermittent.

WORLD OF PROPAGATION

HIGH SOLAR FLUX: There may be a misconception regarding solar flux counts. High solar flux numbers do not necessarily make for good propagation. Almost without exception, the best days have come after the monthly high, when the solar flux is declining.

SOLAR CYCLE PEAKING: The solar flux high to date of preparation of this section was 335, back in June 5, but it was anticipated the high would be overtaken before the end of the year. However, the general feeling is that it is all down hill from here, with 1989-1990 being peak years.

SOLAR STORM: A large magnetic storm and aurora, probably from a disintegrated filament, the end of September, rose to full storm level of 82 units. The solar wind particle input was reasonably high with the typical pre-auroral enhancement.

Recent reports have indicated that aurora should be seen further south than ever before recorded, with reports already from Texas and Jamaica.

Solar storms can affect local magnetic declination by as much as +/- 15 degrees over a period of a few days.

A magnetic storm of March 13th, 1989 was classed as the largest in 40 years. The intensity of the storm was such that the aurora borealis (northern lights) were reported in southern

England, Italy and even Jamaica.

The changes in the geomagnetic field induced voltages in power lines, transoceanic cables, and telephone and cable TV networks. Amateur radio, in fact most radio communications were disrupted. The early demise of AMSAT satellites may have been caused by that storm and others as the increased ionospheric density produced extra drag thus decaying the satellite orbit.

A Concorde flight was rerouted because of the storm. Compass readings varied by 12 degrees. Computer malfunctions on the shuttle mission may have been the result of the storm. Other satellite orbits were affected so much that positional accuracy at the Earth's surface was lost.

It is forecast that with the solar cycle peaking in 1990 there will be more such storms during the next two years.

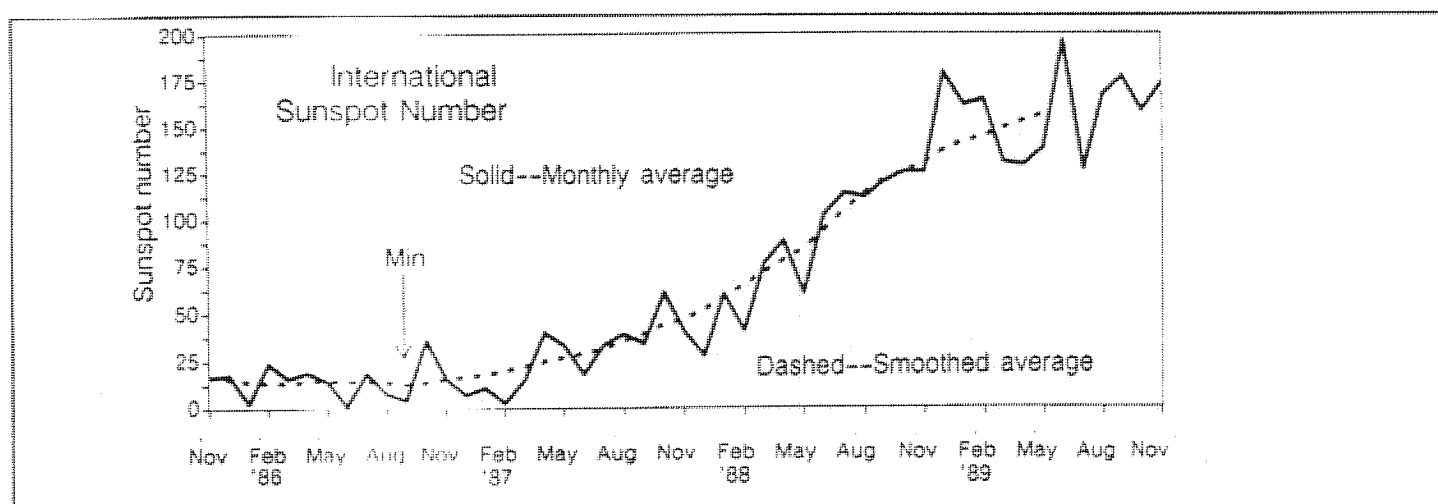
TIME STATIONS: Last month we listed some time stations. With the information provided in the feature article there may be more interest in using them like beacons, so here are some more from around the world:

177KHz DGI	Oranienburg, E. Germany
418 ZSC	Cape Town, S. Africa
434 VVC	Calcutta, India
482 4PB	Colombo, Sri Lanka
500 VPS	Kowloon, Hong Kong
1510 HD2IOA	Guayaquil, Ecuador
2500 OMA	Prague, Czechoslovakia

2500 JJY	Tokyo, Japan
2500 ZUO	Olifantsfontein, S. Afr.
3170 OLB5	Prague, Czechoslovakia
3330 CHU	Ottawa, Ontario
3810 HD2IOA	Guayaquil, Ecuador
4298 CBV	Valparaiso, Chile
4445 NPO	US Navy, Philippines
4500 VNG	Australia
5000 BSF	Chung Li, Taiwan
5000 HLA	Taejeon, S. Korea
5000 IAM	Rome, Italy
5000 IBF	Turin, Italy
5000 LOL	Buenos Aires, Argentina
6100 YVTO	Caracas, Venezuela

WEFAX SOFTWARE: There is a weather facsimile program available for receiving WEFAX images from various sources on HF and displaying them on you PC. All that is required is that you apply the received audio from your HF receiver to the HAPN-1 and tune in one of the WEFAX transmissions on HF. No hardware changes are required.

Incidentally there is an enhanced HAPN-1 software package out. The AX.25 software package has been rewritten and new programs added. HAPN-1 is a hardware and software package developed by the Hamilton (Ontario) Area Packet Network for the IBM PC and its clones. It consists of a TNC on a PC card that is installed in a computer expansion slot and a variety of software to support the hardware.



THE EQUIPMENT CORNER ****

10 METER X BEAM ANTENNA: by Joseph A Chenworth, KF7GY

When I first heard of the "X-Beam" I thought it was something out of Star Wars. But for those of you, like myself, that need gain, not loss, out of your ten meter antenna, yet have limited space and money, the ten meter X-Beam Antenna may be the way to go.

The X-Beam antenna is a very compact two element yagi, but you'd never guess it by looking at it. It is a high-performance broadband antenna with a 6-db forward gain over a dipole and a 15 to 18-db front-to-back ratio.

And it works better than I had ever dreamed of for such a compact unit.

It's a very easy antenna to build, but then I can say that since I didn't have to build it, David Eubanks KM4GN built it in Wilmington, North Carolina. And therein lies the story of why we even went over to this antenna.

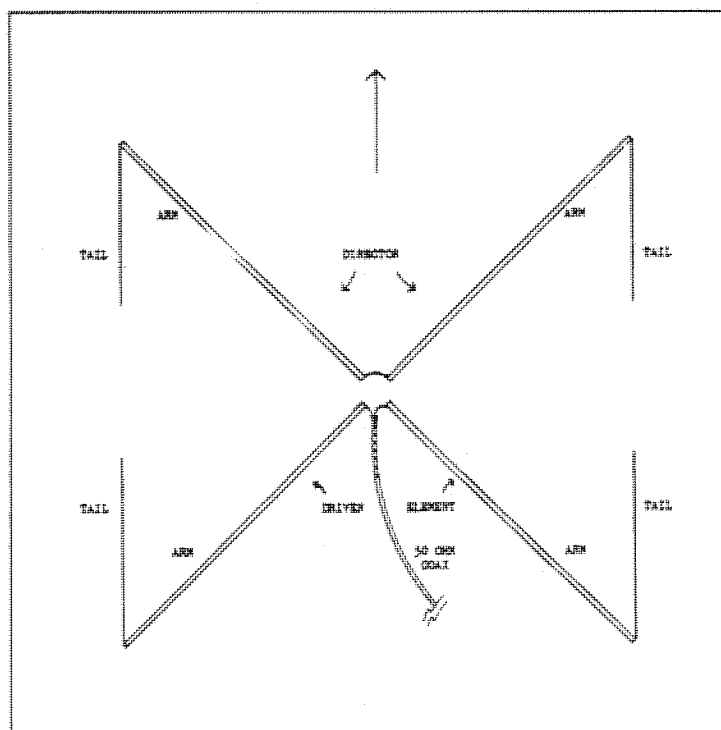
It was David who got me into Ham Radio over 34 years ago. We spent hours talking to each other on the radio (even though we lived only two blocks away). Time seems to slip by and it was only a few years ago I got active again and David and I wanted to get back to those long QSOs.

Before long it was like old times, except we were no longer 2 blocks away. Since neither of us had big power and are sort of 10 meter buffs we decided ten meters would be our band.

As we attempted to establish a regular schedule of contacts, it became evident that we would have problems due to our usage of modest power and inefficient antenna systems. We recognized that 50 to 100 watts was adequate on ten but our verticals just wouldn't cut it as a reliable means of regular schedules.

David is the industrious one and after searching through amateur radio literature found the X-Beam. This antenna is on page 64 of the ARRL Antenna Compendium, Volume 1, publication #58 copyrighted 1985. The article is entitled "Designing X-Beams" and is well written by Brice Anderson, W9PNE.

After reading the X-Beam article, David figured this was just the antenna for us. It was reported to be a good antenna, rated at 6-db forward gain and less than 14 feet across at the widest part. It looks like a ground plane except for "tails"



which helps make it look more like a TV antenna so the neighbors have no idea what you're doing. It is such light weight that you can use a TV rotor. I picked one up for \$20.

The antenna is easy to build--at least if you have a friend doing it for you. Actually the biggest problem "David" ran into was locating a source of aluminum tubing similar to that used in TV antennas. The tubing was located at Metal & Cable Corporation, Inc. through an ad in QST Magazine. The article

recommends a tubing with a length-to-diameter ratio of about 200:1. A larger diameter will shorten the length of the tails. David had the first antenna built in only a couple of weeks and it tuned very easily. Preliminary tests proved it did everything the article claimed it would, plus a lot more.

David built another X-Beam nearly identical to the first and shipped it to me. Our problem of dependable communication on ten between Utah and North Carolina were solved. The very first contact resulted in a five db gain over the vertical. The signal went from a 2x2 between two verticals to a solid S9 when we both switched to the X-Beams. The antennas worked better than we had ever hoped; our radio results were outstanding.

We found the antennas to give excellent forward gain. We have not made detailed measurements, only comparisons using the S meter. For instance, another station near me running the same power on a sloper, wasn't even moving David's S meter while I was an S9.

I'm currently taking some measurements on various beacons and will compare them with the vertical to see how well it receives. All the reports from DX and other stations have been much better than anything I ever received before.

So although I can not confirm the claim of 6-db gain over a dipole I would rate it even higher. David tested the antenna for "nulls" and found good nulls to the sides and a good front-to-back ratio.

The article rated the antenna as equivalent to a 3 element Yagi and we would agree with that assessment.

The antenna is compact with only a ten foot square being required and all on a single plane. It is light weight, in fact so light weight I mounted it to the plastic vent pipe coming out of the roof, from my

kitchen sink. This only puts it a foot or two above the roof, imagine what will happen when I get it up in the air. This temporary arrangement has only been temporary for about a year now!!!! I need David to visit me so we (he) can get my rotor mounted!!!

David did make a couple of modifications which might be of interest. Instead of mounting the elements on a piece of plywood, the elements are connected with angle brackets to a piece of large diameter PVC pipe. A small piece of aluminum tubing bent to a right angle was used to join the director elements. The tails were constructed of small diameter stiff aluminum rods which are self-supporting, rather than the #19 vinyl-covered wire in the article. Thus there was no need to run nylon cord around the elements for support.

Anyone looking for a simple, but very good antenna for use on 10 meters should definitely consider this X-Beam antenna. As Brice Anderson says, "Put one up and challenge the big guns."

Also, readers interested in antennas, in general, should avail themselves of the ARRL publications on the subject.

TEN-TEC PARAGON: What about the Ten Tec Paragon. For at least one owner, who feels a little nostalgia of it looking something like the Drake TR-8, he likes it because it is designed with the idea of letting the ham get his hands into it.

It is important for him that the equipment be easily repairable and also easy to modify. The Paragon has lots of room inside and uses conventional components, not surface mounts. The manuals include operating and maintenance information including PC Board layouts and circuit descriptions.

The Paragon full break is superb and the speech processor sounds good. It has good QSK for CW. The optional 1.8 kHz and 250 Hz filters do a great job.

Nothing is ever perfect. One item not liked is lack of alignment information in the manuals. Another is the need to realign the 32+ kHz oscillator so the clock could keep accurate time. There was also some problems in the way the unit was packaged which deals more in a QC problem in the shipping

department. It really didn't affect the radio operation.

One last item was the use of a 9 volt battery as backup rather than a permanent memory system.

UNIDEN HR-2510: A recent complaint heard about the Uniden HR-2510 is feed back through the speaker during the transmit mode. Apparently it only occurs in the upper and lower sideband and AM modes. The FM mode appears to be clean. Such feedback appears to be independent of the volume control. Uniden could offer no information on this problem, or even that they concurred it existed. But at least one amateur is having the problem.

AMATEUR RADIO BUYER'S GUIDE:

There are a variety of sources available for help in reviewing a radio before you buy it. "Radio Receiver - Chance or Choice" and its supplement, "More Radio - Chance or Choice," both by Rainer Lichte, and published by Giffer Associates, Inc, Park Ridge, NJ.

Another source of helpful information is "The Buyer's Guide to Amateur Radio - A Personal Choice," by Angus McKenzie, G3OSS, published by the Radio Society of Great Britain. It is available from the ARRL, 225 Main Street, Newington, CT 06111.

The "World Radio TV Handbook" also have some reviews as of course many of the magazines.

The Radio Database International Series of papers offers an indepth evaluation of the top line of receivers. They are available from Universal Radio at a cost of about \$4 to \$5 per radio and are about 20 pages long. Since they do not depend on advertisement the review is usually very good and objective.

There is also a book from Germany that is said to have comprehensive reviews of HF communications receivers.

G5RV ANTENNA: This antenna receives a mixed review. Some say its the best antenna of its type around. Others say its the worst.

One report we have says that this commercial antenna, although 60 feet above the ground, and with matching balun results in an SWR of 2.5 at the

upper end of 80 and 10 at the lower end. It gets worse when you get down to 10 meters. Only when you match it with a tuner does it behave.

Another user commented that the G5RV wasn't really designed for low SWR, and must be used with a tuner. According to this source it is only designed for an SWR around 3:1 so the tuner can take it from there.

KENWOOD R-5000 RECEIVER: The Kenwood R-5000 is a rather expensive way to go for just a receiver but it is reported as being an excellent unit. Only negative comment seems to be regarding the AM filter. It was recommended you by the optional 6kHz filter, other wise the unit is too broad for decent listening. One comment was that the standard filter is 20 kHz wide. You can also get this as an add-on and can just "drop" it in. However, if you get the CW filter plan on a fair time to install--or should I say disinstall.

UNIDEN PRESIDENT HR-2600: We received only a brief comment on this unit. The unit was great, especially the repeater offset feature. This ham highly recommended it.

TEN TEC OMNI D: This unit is nearly ten years old but has many satisfied users. As mentioned earlier the general comment is "Ten Tec designs the box so you can access all the circuitry and service it yourself."

Another comment that is worth noting is that apparently Ten Tec Service has the do it yourselfer in mind. And they seem to do better than the bigger companies.

One person said that a call to Ten Tec on a system this old was treated very effectively. A technician got on the line, told the ham exactly which resistor to check and even a check list to go through. Their approach was, you don't want to send it to us if you can fix it yourself. Not what you hear from the other companies. They sent the item out on credit and the unit was up again in short order.

Incidentally, for those of you looking at the Omni as a buy in the used marketplace I'm told QSK is superb. Audio is clean and general performance great. And the unit handles a 3:1 SWR.

10-10 CONTESTING

*** 1989 SUMMER QSO PARTY RESULTS ***

Scored by the Fort McHenry Chapter

TOP TEN

1.	WB4EVH	2000
2.	WB5BIR	1961
3.	WB5RUS	1796
4.	P43HM	1674
5.	N3CHL	1660
6.	N1API	1620
7.	N7KRS	1588
8.	WV5K	1569
9.	LU1ATU	1524
10.	KH6OE	1491

DX DISTRICT LEADERS

S. America	LU1ATU	1524
Caribbean	P43HM	1674
Africa	ZS1DL	399
Canada	VE3MEW	705
Pacific	KH6OE	1491
Europe	F3CY	197
Asia	----	----
C. America	HP1XJZ	302

U.S. DISTRICT LEADERS

1.	N1API	1620
2.	WA2SUH	850
3.	N3CHL	1660
4.	WB4EVH	2000
5.	WB5BIR	1961
6.	KJ6WD	1208
7.	N7KRS	1588
8.	WD8MQJ	831
9.	WD9EGC	930
0.	KA0IAR	926

* CHAPTER STANDINGS *

CHAPTER	LOGS	POINTS	CHAPTER	LOGS	POINT
1. Houston Shot	63	20948	24. Branding Iron	7	1939
2. Fort McHenry	37	12022	25. Air Capital	2	1650
3. City of Lights	38	11558	26. Steel City	6	1634
4. C.A.T.T.	21	4864	27. Minuteman	6	1575
5. Castle Craig	9	4855	28. Hudson Valley	2	1545
6. Brooklyn Bridge	13	4331	29. Sky Blue Waters	7	1493
7. Cradle of Liberty	6	3912	30. Harborites	5	1311
8. Gateway	14	3856	31. Wiregrass P-P	7	1300
9. Colorado Bighorn	7	3569	32. Music City	5	1273
10. Milwaukee	9	3463	33. Aftershock	2	1246
11. Cypress	6	3407	34. Downunder	4	1235
12. Tango	4	2945	35. Skipjack	1	1142
13. White Mountain	5	2503	36. Ocean State	3	1141
14. Republic of Texas	15	2686	37. Channel	17	1085
15. Old Dominion	6	2662	38. Fresno	2	1058
16. Golden Bear	9	2467	39. Erie Extension C	2	1010
17. Great Smoky Mtn.	12	2424	40. BlueBonnet	2	945
18. Billy The Kid	9	2382	41. L.I.A.R.S.	1	850
19. Bay Area	11	2368	42. Devil's Triangle	1	837
20. Wind Farms	17	2341	43. QRP	2	836
21. SunCoast	9	2318	44. Blackhawk	1	742
22. Texas Lonestar	8	2196	45. Norwalk Keystone	3	738
23. Grand Canyon State	3	2109	46. Blackhawk Valley	1	742

W3JZP	171	332	N3EDJ	98	190	WB3AEX	60	118	NK3C	30	59
W3FON	171	329	N3FBC	82	163	KA3CTR	57	112	W3QYL	28	55
KA3SDA	153	302	N3DYL	82	161	KA3UWM	58	110	KA3AVB	28	53
WA3GLQ	155	290	K3TUJ	80	154	KA3SBO	56	110	WB3EHR	26	50
K3TPO	148	280	W3GFJ	77	151	WA3YJX	52	103	WB3FGU	25	50
W3DCN	142	272	K3DYX	75	146	N3DDV	47	92	WB3KEU	24	47
K3DBM	134	262	KC3KE	71	139	KA3MMG	41	82	NA3H	23	42
KD3KX	123	235	WA3MIK	69	136	WA3YJA	37	69	W3KTW	23	42
KA3IDL	117	234	W3TWI	68	133	W3LEM	30	60	WB3BMA	22	42
KA3QOY	114	220	KA3TGY	66	131	N3FKS	31	59	KD3LP	20	38

#4 AREA

WB4EVH	1107	2000	WA4TKN	217	406	N4TGM	105	203	WD4JHN	37	72
KK4SZ	796	1451	AA4LB	216	403	N4FBY	108	201	N4TJX	36	72
K4HTU	753	1378	KB4NPA	212	402	KM4JL	100	199	N4LLD	34	65
W4WKQ	712	1304	N2EGQ/4	210	392	NR4R	106	196	W4FYB	30	60
WA4PGM	568	1022	KC4IDE	207	385	WA4QEO	92	183	KC4DQW	30	59
AB4IQ	521	956	KD4Q	202	383	KC4LIQ	72	142	WD4LBW	30	58
N4OME	485	903	KA4H	174	336	WA4TJW	66	132	WA4JJY	25	50
KD4BU	464	837	KJ4SJ	162	324	N4ILE	64	128	W3DHN/4	23	46
WA4SYZ	415	771	KC4BVM	166	319	KF4W	64	127	WA4MXD	23	44
WA4HMX	396	768	WD4ABZ	162	314	NS4U	66	126	WK4F	19	38
AA4VD	344	649	KB4ZAX	163	308	N4UUA	65	126	KM4GW	19	38
K4PXO	331	631	W4TOL	140	262	N4PZP	61	120	KC4HDQ	18	35
AB4HR	318	608	W4WJV	130	259	KB4YZ	65	119	KC4ITA	18	33
KK4XP	264	502	KA4OFG	126	245	K4JHE	57	110	KA4ZXQ	16	32
KC4EJR	248	473	WA4SYJ	117	233	W4AYD	49	95	KA4BPR	10	20
W4RNL	240	464	W4VUF	122	225	KA4SAL	45	86	N4QIK	9	16
N4TZP	240	464	WV4Y	116	218	WE4P	43	86	W4EHN	6	12
WA4GZZ	238	448	W4WXJ	107	214	KA4YIP	41	81			
KA4RQB	238	435	AB4OS	105	210	W4KfV	38	76			
N4RNU	225	423	KB4BBC	107	209	N4GQM	38	72			

#5 AREA

WB5BIR	1111	1961	W5KND	190	350	WB5FII	89	174	WJ5O	43	84
WB5RUS	987	1796	KD5ZD	175	333	WJ5D	88	173	N5IAC	42	82
WV5K	868	1569	K5RIS	167	329	KA5TDP	87	173	KG5IT	41	81
KC5CP	775	1394	AA5FK	165	320	WB5UXL	88	170	WA5OEN	41	81
KB5FU	723	1340	WA5RNB	164	318	KE5JS	84	165	KB5EIA	40	78
KG5OW	640	1190	WB5YAI	164	318	KA5YFU	81	161	KG5KV	39	78
WB5EHF	555	1033	W5EFB	165	316	AD5Q	82	159	N5GZW	38	76
KB5IBT	453	851	WA7EPU/5	171	313	W5LYO	79	156	WB5VYR	32	64
KB5BOL	424	804	N5NAS	148	280	WB4LZG/5	79	154	KA5LKQ	32	64
KS5V	385	727	WB5YZM	143	278	KD5EE	79	153	KF5UN	32	63
WB5PNL	359	696	N5NYV	144	276	N5NYL	77	153	W5SA	29	58
WB5UUK	341	646	W5SRQ	139	267	WA9IES/5	75	146	W5ZF	26	52
N5DAS	344	627	WD5IBM	140	266	W5EUJ	73	145	KA5OVO	22	44
AF5W	326	620	N5MLP	136	262	KA5GWR	69	137	KB5JIZ	22	44
KF5CA	274	528	WBOYEA/5	137	261	K4NF/5	69	137	WD5BFO	21	41
W5AVH	274	516	W05Y	127	246	WD5GSG	73	136	W5OBR	20	40
W5NDK	267	501	N5OUT	123	236	N5NDL	71	136	AA5IM	20	40
KB5HAZ	243	460	N5AFV	120	231	WA5RLU	68	132	KB5GUY	19	37
N5MLS	231	432	W5VNB	117	228	KB5VV	65	129	N5GVD	24	36
KF5VF	226	423	AK5R	116	227	WB5IDC	59	118	N5JVN	16	32
KC5AC	222	419	WA5JDM	112	218	W5UFA	59	115	WB5OCK	13	26
N5CBR	219	414	KA7OLD/5	109	218	WB5IGG	55	110	KE5CP	10	20
KA5VVD	221	408	N5IUE	112	214	WA5UIQ	55	110	WA5SCE	10	19
AA5GX	214	408	W5LLU	104	201	N7GVE/5	55	109	WD8JKV/5	9	18
N5KFJ	216	402	W5SG	102	197	N5OAE	51	102	N4NKU/5	7	14
KA5WDU	202	395	AA5GA	102	194	W5AWT	52	101	K5LZO	6	12
KA5WDV	202	394	WM5Q	100	190	N5LGS	49	96	N5AJB	5	10
W5GVP	203	385	W5GHK	94	186	N5EBA	49	96	W5NOD	3	6
WA5TXI	204	384	KA5GPD	95	183	WA5TQB	46	92	K5HUT	1	2
KG5NO	188	361	KB5JQV	91	177	WN5A	47	91			
N5NYN	191	354				KB5IXD	44	85			

				#6 AREA							
KJ6WD	673	1208	AA6EW	154	302	KI6TZ	111	221	KB6UW	54	104
N6RAK	476	842	KB6YAN	157	300	KB6ORY	114	219	N7IPY/6	51	101
WB6NFO	467	835	KF6VU	150	290	W6PGM	110	216	N6MCF	50	98
WA6ZHX	425	778	WA6HYO	149	284	KI6OY	93	184	K6DMN	48	92
N67RR	411	758	WA6VLS	147	276	K2BIO/6	89	173	KG6PY	46	89
WB6RXE	411	744	AE6D	138	269	WB6SKU	88	173	KG6QB	42	80
N6SNO	375	707	KA6AOS	139	262	K6VXY	87	168	KH6UQ	37	74
KJ6KE	378	673	KB6SWI	127	251	N6GHD	84	162	N6DOA	37	73
WB6MSE	339	620	WB6LJY	130	249	N6VGI	75	145	KG6DTB	35	70
WA6MVD	309	573	KB6SWH	125	247	KB6YX	70	139	WA6SDA	35	68
NH6HF	275	515	N6UCJ	128	242	KB6AN	70	139	KA6GBQ	30	60
WA6LRF	262	480	N6RVC	123	235	N6FZS	63	122	W6FAK	29	56
WB6POQ	254	472	N6SVD	120	235	WB6CZO	61	121	W6KVA	25	49
K6VMN	242	435	KB6RMN	117	234	N6JM	61	118	WA6GSV	17	34
KA6GPC	226	424	WD6DFB	119	228	N6SLE	58	113	KB6DXR	16	32
WB6CNC	210	381	N6HC	126	226	KB6YWY	55	108	KB6DLN	13	26

					#7 AREA						
N7KRS	839	1588	WA7NIY	173	346	KB7GFB	118	217	K7EXO	34	67
KW7E	785	1375	WE7B	177	333	N7MJU	66	120	KA7ACI	29	58
KA7LPP	211	388	N7AAL	156	287	WC7B	63	118	KL7WL	28	55
KB7EQW	221	387	K7YCI	145	265	WB7SYO	52	102	KA7AIR	27	54
N7JPF	204	366	KA7CII	112	218	KF7GY	35	69	W7LBK	10	20

					#8 AREA						
WD8MQJ	449	831	WB8FDX	165	313	KB8GVG	96	187	KS8V	50	99
W8PJY	325	607	K8NJQ	157	310	W8WVR	89	173	KB8FZU	35	69
KA8WAS	296	559	NB8K	158	301	W8IIO	77	154	N8RU	33	66
W8JSM	298	558	N8FU	136	269	KB8BYD	77	152	WC8E	30	57
N8GFI	271	530	K8DHK	114	226	K8KRG	76	147	KB8EBX	15	29
KA8ZJV	275	505	N8BMJ	114	223	NU8U	69	138	N8KGG	11	21
WB8ZQW	275	505	K8RSH	111	217	WA8RMZ	64	126	K8LIX	15	20
W8RJY	195	373	KA8WEO	104	204	KA8VPL	55	108	W8RNB	87	2
WB8FDY	170	322	N8JMV	98	193	WD8MZD	51	102			

				#9 AREA							
WD9EGC	504	930	WB9DOF	215	421	W9MZZ	135	267	KC9SF	72	143
N9FXQ	432	789	W9CEQ	209	410	W9EXQ	134	261	W9ETU	71	137
NK9Y	396	742	W9ZGP	209	394	NU9F	135	260	WB9TNQ	67	134
WD9CQ	365	682	N9AAI	202	391	KA9MXM	172	231	KA9MOM	65	126
ND9Y	320	612	WA0AVL/9	211	386	N9HHU	117	231	KB9CRY	59	116
N9FWW	324	601	WA9SU	199	384	W9VA	115	218	WB9TRJ	52	104
N9ICH	313	590	N9FWM	196	384	KB9CZW	105	205	N9GCF	46	91
N9HFL	314	586	K9RKU	182	349	W9IZ	103	205	WD9IDC	44	87
WA9OHU	287	537	KA9FCF	177	348	KB9ARA	102	204	NZ9E	30	59
N9CQO	268	513	KB9BLA	185	343	KC9OZ	112	202	WA9SFH	30	58
W9WYN	246	472	KE9BD	176	343	KB0ON/9	100	200	N9ASC	25	49
KA9MTY	249	471	WB9KEH	122	339	AI9U	89	175	W9KCM	22	43
K9EUI	236	454	N9FXS	171	335	KA9HFA	88	174	KE9QW	20	40
WA9TSG	232	443	KC9EV	173	330	KE9FZ	82	160	KA9FVV	15	29
KA9VXM	225	443	W9POH	165	312	KA9PAF	80	160	WA9SLT	12	24
N9AVY	226	441	KA9JNL	162	307	W9NHX	79	158			
WA9RIJ	222	430	WA9TWE	156	307	WB9COD	73	145			

					#0 AREA						
KA0IAR	501	926	KB0ADI	236	455	KC0GP	108	206	WB0RBH	60	117
WA0NGB	436	825	W7KJW/0	224	427	WB0GG0	105	205	K0WEX	49	98
WA0RJE	436	825	KQ0T	222	424	WD0CYC	105	203	W0ZGL	51	95
KB0SF	390	739	KD0IR	209	401	KA0WGN	103	203	K0HOF	41	82
N0BSA	365	685	W0RTV	207	395	WSSU/0	97	182	KA0IKW	39	75
KA0ZFD	335	636	KA0ZPP	187	360	W0ZH	97	181	W0POF	34	67
WB0YZW	317	598	K0MYD	125	244	N0IZZ	91	180	WB0UVD	28	54
N0DBG	268	524	KA0ZIA	113	222	N0HBH	75	149	W0ERZ	17	34
N0IWI	256	478	K0ABK	106	209	WB0QKN	74	146	NF0Q	15	30
WD0DHH	248	475	WB0RHR	105	208	WD0APK	70	139	W0EI	5	10

*** 1989 3RD ANNUAL STEEL CITY QSO ***

Apologies have been extended to all 10-10 members for failure to publicize this contest in this magazine is offered from Steel City. But for those who participated it was lots of fun. Results are as follows:

CALL AREA WINNER

- #1 - None
- 2 - None
- 3 - None
- 4 - AA4UF 528 points
- 5 - KC5CP 3090 points
- 6 - WA6YOO 756 points
- 7 - None
- 8 - None
- 9 - W9WYN 1260 points

OTHERS

- N5AFV 1260, N5NYL 716, KC5AC 648
- WA6VLS 648
- KE9I 505, KA9WLB 308, KE9FZ 220, ND9Y 200

CHAPTERS

- | | | |
|----|---------------------|-------------|
| #1 | HOUSTON SHOT 3 LOGS | 4998 POINTS |
| 2 | STEEL CITY 5 LOGS | 2493 |
| 3 | GOLDEN BEAR 1 LOG | 648 |

DX - None

TOP INDIVIDUAL KC5CP at 3090

10-10 INTERNATIONAL NET QSO PARTIES

Contest Manager: Harry Syring, WB1FTQ, #23934 37 Bradford Dr. Windsor, CT 06095

10-10 QSO Parties are open to all amateurs, but only paid-up members are eligible for awards and chapter assignment of scores. They are conducted to encourage ten meter operation and interest in the Net. Non-members may use numbers collected to qualify for membership; members may use them for awards.

RULES:

- #1 PHONE: Contacts must be in the Ten meter Phone band, on SSB, AM, or FM.
- #2 CW: Contacts must be in the Ten meter band on CW or RTTY.
- #3 EXCHANGE: Callsign, name, state, and 10-10 number.
- #4 CONTACTS: A station may be counted only once.
- #5 OPERATORS: Single operator stations only.
- #6 TIME: All contacts must take place within 48 hour contest period.
- #7 LOG TIME: Logs must be kept in Universal Coordinated Time.
- #8 DUPE SHEETS: A DUPE SHEET IS REQUIRED OF ALL PARTICIPANTS. Computer duping is okay. SASE to Contest Manager for dupe sheet sample.
- #9 SCORES: Chapter assignment of scores may be made only by a paid-up member belonging to that chapter as a local member and able to work its Net via groundwave from the contest station.
- #10 LOGS: Illegible or improperly submitted logs will be rejected. See below for log requirements.
- #11 RULES: Failure to comply with these rules or their intent may result in disqualification.
- #12 SCORING: Two points per contact WITH 10-10 # exchange; One point per contact WITHOUT 10-10 # exchange.

AWARDS: 1st place certificate to each USA Call Area (Area 7 includes KL7); also Canada, South America, Central America, Caribbean (incl. Bermuda), Europe, Africa, Asia, and the Pacific (incl. Australia, New Zealand, KH6, and all Pacific Islands). Also, top ten finishers in the contest overall will receive a

certificate. Paid-up individual and chapter scores are listed in the 10-10 NEWS.

LOGS: Logs are accepted frp, 10-10 paid-up members only, and must be complete, legible and in UTC. Each line entry must show Callsign, time, state, name and 10-10 number, if any. A cover sheet is required showing your name, callsign, QTH, 10-10 #, membership expiration date, chapter assignment, if any, total contacts and total points. A cover sheet may be found on the back cover of the 10-10 NEWS. DUPE SHEET MUST BE INCLUDE WITH LOG.

NEXT PHONE CONTEST SUMMER

STARTS: 0000Z August 4, 1990

ENDS: 2400Z August 5, 1990

Send logs postmarked no later than September 1, 1990 to:

HOUSTON SHOT CHAPTER
c/o JACK STEETS KG5NO
5609 WHITEHAVEN
BELLAIRE, TEXAS 77401

NEXT CW CONTEST SPRING

STARTS: 0000Z May 5, 1990

ENDS: 2400Z May 6, 1990

Send logs postmarked no later than June 1, 1990 to:

HARBORITES CHAPTER
c/o STEVE HEPP N7AAL
419 N. CALDER
MONTESANO, WASHINGTON 98563-2608

Send logs to correct scoring chapter, they will not be forwarded.

CHAPTERS SHOULD VOLUNTEER NOW FOR 1991 CONTESTS.

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	N4TZR	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

#1052	N7LNC	1062	K5RIS	1072	WA5RNV	1082	KA6PBU	1092	VE3MEW
1053	SM6LIF	1063	K5RIS	1073	KC7KC	1083	KA8SHZ	1093	K8RSH
1054	WB9HZI	1064	W5LPV	1074	KE6O	1084	N9CQD	1094	N6JQI
1055	LU1BJW	1065	K1UMZ	1075	WB4CCT	1085	WV7C	1095	W5AWT
1056	KB7FDS	1066	K6HGV	1076	KB7EQW	1086		1096	WD8CXO
1057	KB7ARN	1067	KA2TFM	1077	KA2EYH	1087	VE3NLU	1097	K7AJI
1058	WD4IBP	1068	KC1CP	1078	N4KCC	1088	K7PRZ	1098	AB4HR
1059	VE3EWA	1069	K4UTY	1079	K4PXO	1089	K6SIW	1099	WB6MSE
1060	KA4LYE	1070	K0ABK	1080	N9ICH	1090	N7LYR	1100	VE3FSV
1061	KA7HNT	1071	W3VLE	1081	WD5HCH	1091	N0IWI		

2500 BAR AWARDS

Buehren Anderson, N5CUQ, 2500 Bar Manager

#242	N8DCQ	244	N5DVV	246	WD0DHH	248	W3ARK	250	W3IZP	252	VE3NPY
243	WA3GLQ	245	KD2IJ	247	WA5RNV	249	NN1J	251	N7HDB	253	WA9TSQ

5000 BAR AWARDS

Buehren Anderson, N5CUQ, 5000 Bar Manager

#47	NT7C	48	N1API	49	N7KRS
-----	------	----	-------	----	-------

7500 BAR AWARDS

Buehren Anderson, N5CUQ, 7500 Bar Manager

#17 W4WKQ

WORKED ALL STATES AWARDS (WAS)

Susan Brackeen, KA1CAD, WAS Manager

#1025	AK5R	1029	WD5HCH	1033	K1CFQ	1037	KC1MX	1041	N0KDB	1045	WB0IUY
1026	N4JH	1030	N4THE	1034	W8RJY	1038	N4TUN	1042	ND5F	1046	N8JBD
1027	N8JHI	1031	WD8CTX	1035	N4SOJ	1039	KB7BTH	1043	WA6VGS	1047	KB7EQW
1028	WA5RNV	1032	KB8DWZ	1036	WB7RMF	1040	K0PHE	1044	VE3EWP	1048	KA4NKT

WORKED ALL CONTENENTS AWARD (WAC)

Chuck Imsande, W6YLJ, WAC Manager

#195	VK2VFV	38944	08/14/89	Colin Attias	209	VE3EWP	08487	11/09/89	Robert Hogg
196	W5AWT	37228	08/31/89	Mel Boatman	210	G0EZL	40274	11/16/89	Don Hodgkinson
197	HA8XX	39935	08/31/89	Dr. Miklos Danko	211	KB9ARH	48296	11/18/89	James Seabolt
198	KC1FV	45274	08/31/89	Richard Parent	212	KA2ANF	45101	11/20/89	Joyce Birmingham
199	N4QOG	47381	08/31/89	L.E. Fairey, Jr.	213	N8JHI	44009	11/24/89	Carl W. Fockler
200	N4THE	49088	09/15/89	Donald G. Meredith	214	W5NDK	24910	11/24/89	Paul J. Cowan
201	W9LCR	31185	09/26/89	Peter Ogilvie	215	AE2L	14076	11/25/89	Joshua J. Brehm
202	KC5AC	31081	10/10/89	Fred S. Jones	216	WA6KNR	44665	11/25/89	Kenneth R. Knapp
203	GM4VPB	40957	10/11/89	Joe Muir	217	N6OPY	48517	11/29/89	Ed Kemp
204	WD8NNP	49806	10/16/89	Donald E. Dillon	218	WB0YEA	22652	11/29/89	Gale D. Zeller
205	WD0K	00787	11/05/89	George D. Beauchamp, Sr.	219	WA5RNV	11731	12/02/89	Ivan A. Mangold
206	ZS3MS	31876	11/06/89	Martin Smith	220	K9BDJ	50618	12/01/89	Yale L. Saffro
207	N4SOJ	47824	11/06/89	J.J. Bedarz Sr.	221	G4ZVT	50427	12/05/89	Frank S. Peacock
208	K9KKX	04693	11/08/89	Ray Gomes					

INTERNATIONAL -500- OF THE WORLD

Hiram Wolf, W4NWP, International Awards Manager

<u>VP-100</u>	<u>VP-200</u>	<u>VP-400</u>	<u>VP-600</u>	<u>VP-800</u>
#177 - K6HGV	#63 - W5WNR	#15 - VE4ROY		#3 - WD6DFB
178 - N0CHC	64 - N0KQC	16 - PY2DBU		
179 - WB7RMF				
180 - KA8SHZ	<u>VP-300</u>		<u>VP-700</u>	<u>VP-900</u>
181 - KC5AC	#34 - VE4ACY	<u>VP-500</u>	#4 - WD6DFB	#3 - WD6DFB
182 - W19Z			5 - W4NWP	
			6 - N8GFI	

LUCKY 13 AWARDS

Wayne Childress, AA7AO, Lucky 13 Awards

#325 - LU6AJA #344 - WA4TJW #345 - N7LYR

TOP TEN AWARDS

Buehren Anderson, N5CUQ, Top Ten Manager

#1.	WA5JDU	18,000	#6.	WA9LIC	11,600
2.	W0RWC	16,700	7.	WB7NUU	11,000

3.	K5MRU	14,800	8.	KS6A(SK)	10,000
4.	PJ2WG	12,600	9.	W8RNB	9,900
5.	WB1DBZ	12,000	10.	W1KZH	8,600

COUNTRIES AWARDS AND UPGRADES

Alan Sherman, K1AS, Countries Award Manager

BASIC -25-	-35-	-75	-155
264 WP4BDI	136 W3DCN	26 F6FCH	1 KC5CP
265 HB9BHY	137 N5HSF	27 W5EIJ	
266 KE6CX	138 KA3DBN	28 K8DHK	
267 KA3DBN	139 N3FUR	29 WA5BBR	
268 KA2SKO			-160-
269 N3GBB			1 KC5CP
270 IN3ANE	-45-	-100-	
271 W4PNC	104 WD9GNF	11 N1API	
272 W4RNL	105 KA3DBN		
273 WA5TXI		-105-	
274 GM4VPB		8 N1API	
275 VE3NLU	-55-	9 CX4HS	
276 G0EZL	70 AE2L		
277 KA2ANF	71 WD9GNF		
278 N6JQI	72 K4PXO		
279 KA6PBU		-110-	
280 WB6JOT		7 CX4HS	
281 W5NDK			
282 N1GRM			
283 W9LCR			

VP'S

Wayne Childress, AA7AO, VP Awards Manager

#2186	VE1BLM 2192	N9IUU 2198	KB4JKQ 2204	N4THE 2210	W7WGW 2216	KB0EOV
2187	KA5YPM 2193	WN6GKE 2199	KO6ETY 2205	KB7DUX 2211	WA3YTT 2217	K7QXG
2188	KA9FIS 2194	WB4EVH 2200	K8NJQ 2206	KA1SPO 2212	N0CSM 2218	KC4CSA
2189	6M0BCI 2195	KH6OE 2201	N7JPF 2207	K6IQY 2213	RA6AR 2219	W1ZIS
2190	WA6CLG 2196	KB8GPU 2202	VK2VFV 2208	K1CFQ 2214	VKSND 2220	KE0YB
2191	KB7GFB 2197	K7EXO 2203	NY1V 2209	VK4BKC 2215	KC7DH 2221	G4WEY
					2222	KA7OES

10-10 MEMBERSHIP & INFO

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, Booneville, 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.

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.

40671	W0JKO	Francis W. Holloway, Jr. Minn, MN
40748	N4KFT	Walden A> Brummel, Englewood, FL
42261	KA7SDI	Duane A. Hubbard, Phoenix, AZ
42565	KB4OZI	Hans E. Hunziker, Springfield, VA
44565	KA8SOM	Frank McIntosh, Milwaukee, WI
47745	KA8HRD	Bill Beckelhimer, Odenton, MD
48257	KA9EMV	Gerald J. Margis, Green Bay, WI
01494	W0CDO	Hugh A. Lyon, Sharon, ND
08873	KS6A	Vernon F. Erickson, Oceanside, CA
14221	WB5TPG	Jimmy A. Bonnough, Shreveport, LA
20619	WA1VMJ	Edward N. Gove, Inverness, FL
29328	N2EI	George M. Suter, Port St. Lucie, FL
30704	WB0SJJ	John T. Cartwright, Sun City West, AZ
34121	N0BMG	R. A. Lewis, Tuscon, AZ
37422	KA3IKV	Thompson Woodward, Exchange, WV
37661	KG6AX	Don Alpine, Temple City, CA
39779	K4AYS	Edgar W. Mitchem, Spindale, NC
39805	W9IEC	Lionel A. Gardiner, Aurora, IL
45110	WP2ADC	G. Ronald Wolfgang, Trenton, NJ
00390	WB4NRY	Joseph O. Guthrie, Edmonton, KY
03243	WB8FEY	Roy L. Torr, North Branch, MI
04844	W2KIE	Maurice J. Pirrone, Bricktown, NJ
06654	W0DOF	Lynn J. Briley, Sioux City, IA
10616	WB8QJL	James O. Billings, Jr. St. Joseph, MI
13879	WB6BPA	William O. Sturmey, Millbrae, CA
14000	W0ES	Wilmer G. Morgan, Pueblo, CO
15990	KC0CB	Lee C. McManus, Duluth, MN
23787	W2RPJ	Peter J. Savasta, Hudson Falls, NY
26702	WA4BFT	H. J. Prout, Durham, NC
27799	WA6OJT	Richard H. Webster, Lafayette, CA
28315	WB4AOG	Felix Karpinski, Zephyrhills, FL
30535	N3ALE	Russell A. Terry, Lansdowne, PA
35390	N1BME	Eugene H. Burgess, Vinalhaven, ME
36017	KE6PF	Glenn A. Axtell, Alameda, CA
37802	ZL3AGW	Maurice (Tim) Enright, Christchurch, NZ
38544	KA7KKX	Joe Baudoin, Veronia, OR
38813	W4AIZ	Charles L. Smart, Dothan, AL

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	WA3RBO	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 Tielmann	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 *** \$_____

ANNUAL DUES, USA MEMBERS. \$4.00 times number of years wanted. \$_____

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

1990

- Jan. 6-7th Old Dominion 1st Annual QSO Party - 0000 -2400z. 1pt contact, 1pt 10X, total OD numbers as multiplier. Report WA4HMX 124 Barte Rd., Richmond, VI 23224.
- Feb. 3-4th 10-10 International Winter PHONE QSO PARTY.
- May 5-6 10-10 International Spring CW QSO PARTY.
- Aug. 4-5 10-10 International Summer PHONE QSO PARTY.

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

Cover Sheet

1990 WINTER QSO PARTY Chapter Assignment: _____

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

SEND CONTEST LOGS TO:
 Houston SHOT Chapter
 c/o Jack Steets, KG5NO
 5609 Whitehaven
 Bellaire, TX 77401

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.

BULK RATE
 U.S. POSTAGE
 PAID
 PERMIT NO. 6
 LONG BEACH, CA



TO:

01