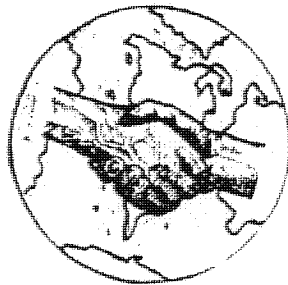


10-10 INTERNATIONAL *News*



1987
Spring

VOL. 25 No. 2



10-10 CONVENTION CENTER

Official Publication Of The Ten-Ten International Net, Inc.

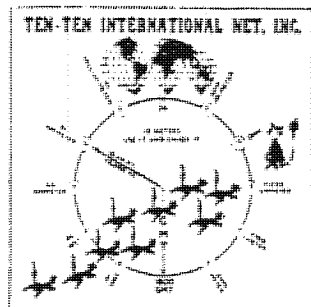
Monitoring 28,800 KHz—Daily Except Sunday

10-10 INTERNATIONAL NET OFFICIALS

President	Howard Bowman	W6QIR
Vice-President	Norm Lefcourt	W6IRT
Secretary	Don Hirst	W6AGP
Treasurer	Gerry Gross	WA6POZ
Directors:	George Elliott	W6ENC
	Morrie Goldman	W6EHM
	Jim Michaels	W6PGM
	Carl Winter	W6OAW

Regional Managers:

Al Kaiser	N1API
Larry Berger	WA2SUH
Jim Duppins	WA3RBQ
Dave Buschow	WD4MPG
Grace Dunlap	K5MRU
Dick Rauscher	W6ANK
Willie Madison	WB7VZI
John Hugentober	N8FU
Berniece Tieleman	N9CDO
Alice Hathaway	N0DES
Carol Hugentober	K8DHK
Les Olsen	VK2JLO
Mac McKenzie	ZL3RK



AWARDS:

Bars [100-900]	Bobbie Vaughan	WB7NUU
Bars and plaques [1000 and up]	Chuck Busby	KC5FX
Countries	Alan Sherman	K1AS
Worked All States	Susan Brackeen	KAlCAD
Chapter Coordinator	Connie Hauck	K6EXQ
Chmn., Rules Comm.	Harry Syring	WB1FTQ
Editor, Net Guide	Bob Wille	NZ5E
Editor, 10-10 News	Joe Williams	WA9TSG
Int'l Net Manager	Sherm Sherman	K6PTF
Printing Advisor	Bert Ayers	W6CL
Records Manager	Lee Pasewalk	WB6MGM
Roster Manager	Dee Gilbert	KA6HQJ
Supply Manager	Jim Forsyth	AF60

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

Quarterly chapter activity reports should be sent to the Chapter Coordinator, Connie Hauck, K6EXQ, 794 W. 23d St., Upland, CA 91786 Telephone (714) 985-4836.

News items and photos may be sent to Joe Williams, WA9TSG, P.O. Box 93181, Milwaukee, WI 53203. Phone (414) 263-3618.

The next issue of the 10-10 International News is the Summer issue, scheduled to be published in July 1987

SUMMER	ISSUE DEADLINE DATE
	JUNE 15, 1987

10-10 INTERNATIONAL NET CONTROL STATIONS

Monday	Dick	W6ANK	28.800 MHz
Monday(Alt)	George	WB6URK	28.775 "
Tuesday	Al	W6RNK	28.800 "
Wednesday	Louise	N6ELK	28.800 "
Thursday	Sherm	K6PTF	28.800 "
Friday	Connie	K6EXQ	28.800 "
Saturday	Don	K4Ezs	28.800 "

- Nets start at 1800Z -

10-10 NET CHECK-IN SUMMARY

Weekly Summary of total stations checking into the 10-10 Net for the week beginning;

Dec 1 (74)	Jan 5 (80)	Feb 2 (83)
" 8 (74)	" 12 (87)	" 9 (85)
" 15 (80)	" 19 (72)	" 16 (83)
" 22 (71)	" 26 (76)	" 23 (85)
" 29 (67)		

RELIEF NET CONTROL STATIONS

Jack, K6HDM; Paul, K6HHN; Jack, W6LII; Bill, WB6OMH

**THE BEST DEAL
ANYWHERE**



The 10-10 NEWS welcomes news reports, short articles, announcements, and so on. Copy deadline dates are generally the 15th of the month preceding publication. Publication dates are approximately 10 days after the first day of January, April, July and October.

Any manuscripts should be typed and camera-ready and, if possible, mailed flat. Copy may be single-spaced. Use 8 1/2"x11" white paper and leave 1/2" margins on the sides.

Black and white photographs are preferred. However, color is acceptable if it is sharp. Include complete information of subject matter; identification with call signs, complete names, 10-10 numbers, chapter name and any other pertinent information.

ATTENTION

If your address has a U.S. Zip Code, send your renewal or order to the Manager serving the area with the same number as in your own call sign. Details on page 31.

Words from the President

HOWARD BOWMAN

W6QIR #4509



ANCIENT HISTORY

There's a tall bookcase in my 'office' where I have a miscellany of publications, including a semi-complete set of the 10-10 International News. Every once in a while I need to find a particular issue in order to refresh my memory about some event, and, after I have found what I want, I put that issue back where I think it ought to go, which is often not where it belongs. Then, after a few months, it is necessary to pull them all out and rearrange them by year and issue.

Recently I had one of these rearranging spasms, and took a look at some of the first issues. I say 'some' because I don't have all of them, and I wish I did. Anyhow, the first one I found was dated September, 1974. I don't know if that was really the first "Bulletin", but the next one, dated July 1975 is headed, "Quarterly Bulletin No. 2" and that seems to tell the story.

At the time of that first Bulletin, Morrie Goldman, W6EHM, was President. The net worth of 10-10 was under \$3,400. It was a difficult time (I am told) because publishing and mailing the Bulletin was a major expense (as it still is), and Morrie often didn't know but what he would have to write a personal check to cover the cost. Also, I found a sentence in one paragraph which leads me to wonder if that issue was really No. 1. The sentence reads, "We have been deficient in not publishing the Bulletin more frequently." I don't know the answer, and guess I'll have to ask Morrie, or George Elliott, W6ENC, both of whom have good memories of those days. Incidentally, that first Bulletin was eight pages long, of which four pages were the roster of members. That was before a separate Roster was published, which didn't happen until May, 1975.

The second Bulletin, July, 1975, ran to a dozen pages. It announces the \$1.00 Initiation Fee to cover costs of getting a new member into the records, has a lot of information about 10-10 Awards, and includes an article by Ed. Tilton, W1HDQ, which is entitled, "Cycle 20 Nears The Bottom." Alphonse Karr once wrote, "The more things change, the more they remain the same." That is an appropriate statement for Cycle 21.

Bulletin No. 2 was the first with the 10-10 logo, and Bulletin No. 3 repeats it with the added line, "Ten-Ten International Net of Southern California, Inc." as a part of the title. That line had appeared earlier, but in not quite as prominent location.

Now, here comes the crux of my listing. Between that September, 1975 issue and the one for Summer, 1977, I have nothing. Were there any Bulletins issued in 1976? Were there Winter and Spring issues in 1977? If there were and you happen to have a copy, send it to me and I'll get it copied. Although the set I have are in my library, they are really intended for 10-10's archives, so consider your contribution as being to 10-10, not to me.

LEE PASEWALK, WB6MGM

Every volunteer organization of which I have ever known anything has had its quota of people who do an awful lot of work and get virtually no recognition for it. Ours is Lee Pasewalk, who is 10-10's Records Manager. A few years back, I wrote something about Lee, and, with connivance of his XYL, we once obtained a picture of him for the cover. Otherwise, he has remained anonymous. While it is true that our records are on computer tape, it is Lee who sees that they get there.

Every month, District Managers send a compilation of their lists of new members, and all changes to Lee, who then assembles and counts them. He forwards these each quarter to

the computer facility that handles our work, the files are updated, and from those files come the mailing stickers, the Directory (a telephone-book sized document), and, when we are doing one, the primary listings for the Roster. Recently I asked Lee to put together a statement of his duties. It ran to forty-three pages!

I noticed that Lee had devoted some space to errors. They can occur in many ways, of course. However, the fount from which all accuracy flows is you. I observe my own handwriting and that of members who send me hand-written notes. It's sometimes illegible, and when that phenomenon occurs at crucial points, can be disastrous. I urge you to be accurate and legible in what you send your District Manager. If you don't type it, print it. It is especially important that the name, address, call sign, and 10-10 number be right. Cut down the chance for errors by doing it correctly the first time.

DUPLICATE NUMBERS

Once in a while someone gets issued a number when he already has one. That can happen in several ways, but one of the more common arises when someone who joined, and was assigned a number some years ago, but has forgotten it, or maybe even forgotten that he ever joined, decides to get in the swim again. Another happens when someone moves to a different district, gets a new call, and thinks he must join all over again. In either case the old number is retained. I know of no way to keep this from happening, but when it does happen and the duplication is detected, the member is asked to make a choice as to which number he wants to keep. The number he gives up remains unassigned.

PICTURES, ETC.

In the last issue of the News, there were several pages of material that we ordinarily do not see in this journal. There was a reason for that: there simply wasn't enough copy and photographs for Editor Joe to use in putting together an issue that would look "normal". I sent a letter to Managers soliciting material, and Joe tells me that he has received quite a bit in just the short time since I sent that letter.

One problem an editor always has with photographs is that of identifying those in the picture. Here's a method I use. I put a small, inconspicuous number on the back of the print. Put it in an area of the print you think may well be cropped out anyhow, maybe down in one corner. Then, on a separate sheet of paper, keying your description to that I. D. number, make up a list of names, calls, and 10-10 numbers, in some logical sequence, which identifies those in the photograph. Except for that small, inconspicuous number, don't write on the back of the print.

LETTERS

Shortly after the first of this year, I received a lovely letter from Grace Dunlap, K5MRU, 10-10 No. 218. Grace has been 5th Call Area Manager since the memory of man runneth not to the contrary, and before that, she was Manager for both the 5th and 4th Call Areas!

In that letter Grace mentions that on January 6, 1987, she will have been a 10-10 member for twenty years, and goes on as follows: "Irv Hunter, K6PWO (No. 97, now an SK) was an old friend from my Panama Canal Zone days, when I did a lot of relaying for him with messages to his family when he was at sea as radio operator on a tanker.

With our son at Cal Tech for his graduate work, I was always looking for a phone patch, of course, and one day I happened to hear the 10-10 Net and all those L. A. area signals! Didn't know anything about 10-10, as I did most of my operating on 15. When I checked in, Irv immediately broke in and invited me to join and called on the rest of the group to acknowledge me. No numbers at that time! In due course I received my certificate and later was issued a 10-10 number over the air."

NOVICES AND TECHS

By the time this issue gets in your hands, Novices and Technician operators will be operating legally on radiotelephone in the 28.3 - 28.5 portion of 10. Although we had known that this was coming, the effective date had not been announced when the Winter issue went to press. While Novices have been eligible to join 10-10 for many years, the limitations on their 10 meter operation has restricted their number. Now not only they, but Technicians also will find it much easier to qualify -- if we help them by operating down in 'their' portion of the band.

The special provisions under which Novices have been eligible for 10-10 membership are somewhat at odds with their new privileges, and for that reason the Board of Directors has voted unanimously to make some minor revisions in 10-10's By-Laws. Elsewhere in this issue you will find an announcement of a membership meeting at which this recommendation will be presented for action, as well as the text of the changes.

Find the proposed revisions and read them carefully. If you have an opinion on this, either pro or con, write me and I will see that your views are presented to the meeting. My address is 5872 W. 77 Place, Los Angeles, CA 90045.

MORSUM MAGNIFICAT

Editor Joe Williams forwarded to me a letter and accompanying issue of Morsum Magnificat. The letter was from Tony Smith, G4FAI, who is English language editor of a quarterly journal originated by PAØBFN and PA3ALM. It is intended "to provide international in-depth coverage of Morse telegraphy, from its earliest concept to the present time."

It is a well-done publication, about 44 pages + cover (no page numbers, so I had to count), and has stories, both fact and fiction, that are interesting to read, even if one is not a dyed-in-the-wool CW man. Our organization has its share of CW enthusiasts, and if anyone is interested, write to Tony Smith, G4FAI, 1 Tash Place, London, N11 1 PA, England.

GDX -- GEE!

Sorry if that lead sounds like a commercial for GTE. It isn't. It's an expression of amazement at the contents of a letter from Paul Brooker, GØAGP, No. 39986, who writes that in 1986, using 80 watts output into a two-element antenna, he worked 88 DXCC countries on 10, including each of the 7 continental areas. Thus far in 1987 he hasn't done as well, with only 8 countries logged, but he expects propagation to pick up in late April, so we may hear from him again.

In his letter, Paul lists the prefixes he has worked in each continental area, but doesn't say how many (if any) were 10-10 members. His U. S. contacts were in all districts except 6, 7, and Ø. Paul points out that British CB operates NBFM only on 40 channels, from 27.601 to 27.991, and, as a consequence, there are a lot of cheap CB rigs that convert easily to work 29 mHz NBFM. In his last letter to me, Paul said he hadn't been able to work into the U. S., but the 25th and 28th of last October, he worked 22 stations in the U. S., including 7 10-10 ers! During that same period he also worked WAC. Howzat!

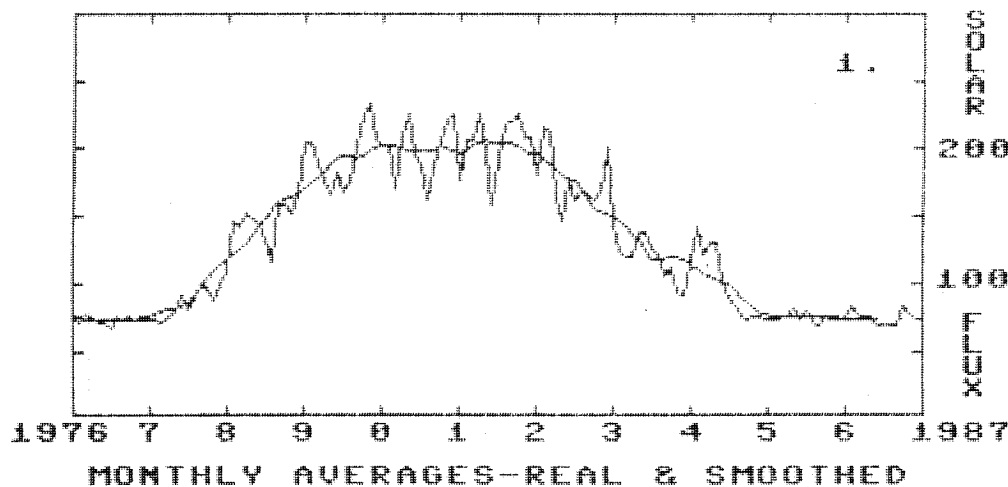
FUTURE SHOCK?

The Planning Committee is working on changes in 10-10's organization. Some of these changes may be made even before our next issue, but you'll never know the difference. When they are operative, we'll let you in on the whole show.

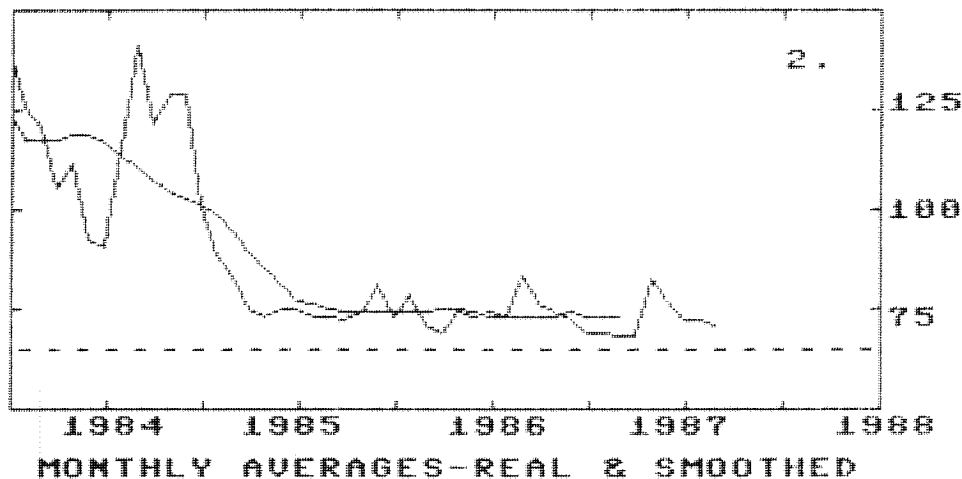
73,

Yvonne - # 4509

SUNSPOT CYCLE 21



2800 MHZ. SOLAR FLUX, 1984-



SOLAR ACTIVITY

The graphs show levels of solar flux measured each noon at Ottawa, Canada and transmitted 18 minutes after each hour by WWV. This measurement of solar activity has replaced the use of sunspot numbers in that it is more precise and does not require visual observation. The values are referred to as the 10.7 cm or 2800 MHZ solar flux. A conversion chart may be found in the ARRL Handbook.

The first plot is of monthly averages for the past eleven years and hopefully for all of Sunspot Cycle 21. Graph 2 is a blowup of the past 3 1/2 years, plotted in an attempt to detect the low point or start of Cycle 22. The dashed line represents the quiet sun level, a solar flux of 66. Solar flux values of 66 were recorded last June and July.

During periods of high activity, day to day and month to month averages vary greatly. For this reason running averages or smoothed values are used for predicting trends. These were calculated by the expression (From Shortwave Propagation Handbook by Jacobs and Cohen):

$$\text{Smoothed No. for Month } 7 = (M1/2 + M2 + \dots + M12 + M13/2) / 12$$

Unfortunately these smoothed numbers are always six months behind. The latest shown is for last August.

At this time we are in the overlap period when sunspots from the old and new cycle are present. The slight activity shown in February and October 1986 were reported to be from Cycle 21. The origin of the sunspots is determined by several means one of which is their position on the sun. Sunspots from the new cycle are at latitudes of 25-40 degrees and those from the old cycle are near the sun's equator.

Jacobs and Cohen say that predictions are as numerous (and varied) as investigators making them since noone really knows what causes sunspots or sunspot cycles. The latest ARRL Handbook shows a prediction made by the Navy for the next 50 years. Their guess is as good as anybody's.

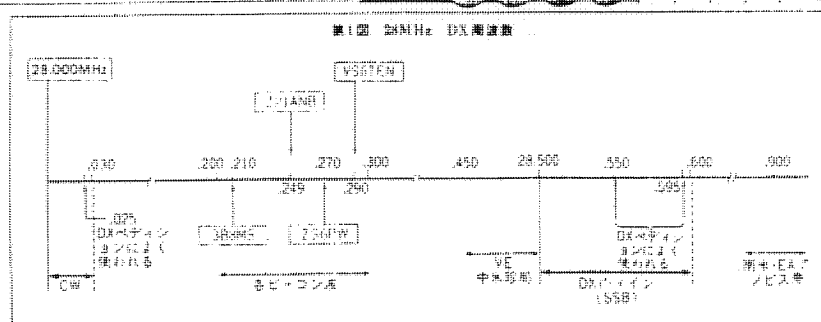
The WAG here is the low point occurred last summer and at this time we are at a point corresponding to late 1976 or early 1977 of Cycle 21.

Of possible interest, this was prepared on a Commodore C-128.

Randy Hathway, WA1WPJ, 10X 20517, Nutmeg 92C

The following article was found in a Japanese CQ Magazine and submitted by Carol Hugentober/K8DHK. Her OM, John/N8FU translated it into english. Good publicity in any language.

DX公開セミナー



CWは28,000~28,030MHz, S
S Bは28,500~28,600MHzをワ
ッチすればOKです。南米がオー
プンした時は、28,900MHz付近
もチェックしてください。南米の
ノビス局がJ Aを援えています。
28,250MHz付近には各国から
ビーコン波 (CWによるロボット
運用) が発信されています (本
誌85年7月号p.416参照)。特に
3B8MS, Z2IANBはアフリ
カ方面のオープンに活躍するの
に有効です。

DXベディションは、28,595/
28,550MHzによく出ます。また、
28,595MHzには毎日1300 JST
からA4XIZ "Bnb" がスタン
バイしており、中近東方面のパス
を確認するため、彼をコールする
のも有効な方法でしょう。

Ten-Tenて何?

10mでV Kの局には、よくテ

ン・ナン・ナンバーなるものをQ
SO中送ってくる局がいます。こ
れは、アメリカに本部を持つTen
-Ten International Net, Inc.
(世界的な10m愛好者のクラブ)
の会員番号です。ナンバーを交換
することによって会員間の親睦を
図っており、金銀・アワードの発
行やコンテストの主催もしていま
す。J Aをはじめ、世界中に会員
がおり、興味のある方はマネジャ
ーのK8DHKに問い合わせしてく
ださい。入会によって、10mの楽
しみが増えることでしょう。

この秋のコンディション

さて、この秋の入感を予想 (想
像?) してみましょう。はっきり
言って望み薄です。でも、入感す
ればノーパイル。さあ、頑張って
ワッチしましょう!

アフリカ

東南アジアは問題ありませんが、

西アジア・中近東のオープンに張
られます。1500~1800 JST 以
下時間はJST) に注意。

アフリカ

1500~1900に注意。ビーコンの
チェックをお忘れなく。

ヨーロッパ

1500~1800, UA, YU, LZ
止まりか? オープンするかのう
か?

北米

0700~1000, ひずかしいがUS
Aには熱心な10mファンがいる。
T1, TGに期待!

南米

0700~1300, LU, CE, CX
のご三家は心配なし。

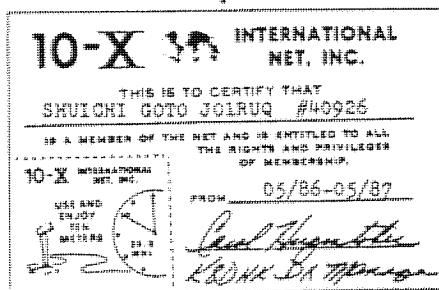
太平洋

0700~1800, VK, ZLはてめ
なお客様。比較的にカントリー
が増えます。

集え若者、叫べCQ!

10mのコンディションは東風か
ら上向いてくると思われます。そ
うすれば10mDX人口が増えてく
るでしょう。珍局も募集中してい
ます。来るべきお祭りを前に。
若者で前夜祭を始めようではあり
ませんか? このままではCB
(東南アジア・中国のAM局) のバ
ンドを占領されてしまいます。コ
ーバンドのリニア組が上がつて
くる前、DXのオープン始めにチー
ンスがあります。

See you on 10m!



Ten-Tenの会員証。ナンバーはすでに4万5千にのっている

September 1986

(パイル・アップ……pile up, 一つの局が多数の局に一度に呼ばれる状態のこと。
珍しい海外局、ベディション局がよくパイル・アップを受ける。)

337

Translation:

WHAT IS TEN-TEN

Collect 10X#s with "VK" and other places on 10 meters. In QSOs, 10-X#s SGN7.
10X Intl. Originated in the USA. By collecting a certain amount of 10X, you may
get your own 10x#. JA stations increase world relations by exchanging 10-X#s.
If you are interested, please contact Mgr. K8DHK for information on how to get
your own #. By exchanging #'s, you increase your 10 meter pleasure.

APPLICATION FOR HOUSING ACCOMMODATIONS

10-10 International Convention

Shreveport-Bossier City, LA August 7-9, 1987

IMPORTANT INFORMATION:

Hotel and rates are listed on the enclosed mini-flyer. All rooms are assigned on a "first come, first served" basis. If the Housing Bureau is unable to honor your choice(s) of hotels, we will reserve accommodations that are closest to your choice. All convention delegates are urged to make reservations through the 10-10 International Convention Housing Bureau. One night room deposit is required. Credit Cards or checks are accepted. Please make check payable to 10-10 International Convention Housing Bureau. Telephone requests will not be accepted. Reservations must be received by July 23, 1987.

PLEASE TYPE OR PRINT AND RETURN AS INDICATED IMMEDIATELY FOR BEST SERVICE.

RETURN FORM TO: 10-10 International Convention Housing Bureau, c/o: SBC&TB, P.O. Box 1761, Shreveport, LA 71166.

CREDIT CARD INFORMATION

Card Name _____

Card Number _____

Card Expiration Date _____

MAIL CONFIRMATION TO:

(Please list only one person to receive acknowledgement. If this request is submitted for a group, please be sure other delegates do not duplicate).

Name _____

Address _____

City _____

State _____ Zip _____

Home Phone(____) _____

Business Phone(____) _____

HOTEL SELECTION:

Please review the hotel information listed on the back of this page. Indicate your preference in order below. An advance deposit of one nights lodging will be necessary to hold your reservation.

1. _____

Arrival Date _____

2. _____

Departure Date _____

3. _____

Estimated Time of Arrival _____ a.m. _____ p.m.

4. _____

Estimated Time of Departure _____ a.m. _____ p.m.

Type and number of accommodations desired:

Singles (one person) _____

Triple (three persons) _____

Doubles (two persons) _____

Quad (four persons) _____

Reservations will be held only until 6:00 p.m. unless other arrangements are made directly with hotel.

List below the names of people occupying each room. If name is not known, protect the reservation by listing as "Name to Come".

Name

Room Type

1. _____

2. _____

3. _____

4. _____

5. _____

FROM THE TREASURER
GERRY GROSS - WA6FDZ - 21274
SUMMARY OF THIRD QUARTER 1986-1987

INCOME - EXPENSE

	QUARTER		YEAR-TO-DATE		
	86-87	85-86	86-87	85-86	84-85
REVENUE (ALL SOURCES)	9,888	8,247	38,772	28,018	24,343
EXPENSES					
BULLETIN, ROSTER, ETC	5,822	2,434	13,470	14,245	22,343
REGIONAL MANAGERS	760	397	2,817	1,636	1,478
OFFICERS & DIRECTORS	140	35	429	288	301
OTHERS MANAGERS & SERVICES	79	118	1,074	1,377	2,420
TOTAL EXPENSE	6,801	2,984	17,790	17,546	26,542
EXCESS (LOSS)	3,087	5,263	12,982	10,472	<2,199>

By the time this makes it into print, my visit to Dayton for the Hamvention will be history. From what I have heard about Hamvention, I will have enjoyed myself and had a chance to meet and visit with many members. Next stop will be Shreveport for the first 10-10 Convention, I am also looking forward to that trip, regardless of what everyone says the weather will be like. It's another chance to meet and visit with 10-10 members.

TEN-TEN INTERNATIONAL CONVENTION

SHREVEPORT EXPO HALL---SHREVEPORT, LOUISIANA
August 7, 8, 9, 1987

Help celebrate the 25th anniversary of TEN-TEN INTERNATIONAL by attending the first annual convention.

Meet your TEN-TEN friends from all over the world and put faces with those numbers.

Enjoy the benefits of a local HAM-COM held in conjunction with the Convention.

There will be technical forums, indoor flea market, TEN-TEN forums, new products and dealer displays, as well as family activities.

Admission \$3.00 in advance and \$5.00 after July 23rd and at the door, (valid all three days), and includes registration for Grand Prize.

Flea Market/Chapter tables available for \$10.00/each.

A TEN-TEN banquet will be held Saturday night, August 8th. Seating will be limited so please let us know if you plan to attend when you pre-register. Cost will be \$12.00/person, payable at the Convention.

Send checks payable to ARK-LA-TEX HAM-COM for advance registration and Flea Market/Chapter tables to N5HVS, Jim Burnley, P.O. Box 4252, Shreveport, Louisiana 71104-4252.

Please include an SASE (no. 10 envelope) for ticket return and motel information.

Sponsored by the SHREVEPORT AMATEUR RADIO ASSOCIATION

CONNIE'S LETTER

CONNIE HAUCK, K6BXQ
No. 19681
CHAPTER COORDINATOR



The death angel has been busy this month and the last part of Feb. A few of the SK's are WAGKFT/Wayne Certificate manager of the Keystone chapter. VE3BRF/Neal who was certificate manager for Lake Simcoe, VE2BQN/Jack chapter head of Johnny Canuck and PA3BAV/O.T. Mullie who was 41L in the Tulip chapter. We offer our condolences to the families and friends of these fine people. Each one will be very much missed on the band.

Elsewhere I believe you will read of the problems W8HIU has encountered in his efforts to erect an antenna. Joel has been put several thousand dollars already and will have many thousand more to pay before this is over. I urge those who can to give him any assistance that you can. This could be one of us and a favorable solution of his problem makes it easier for the next one.

Many chapters are moving frequency to be able to catch the novice operators so look at the changes for those who have contacted me. Realizing that the net guide was far from correct, I decided to help Bob out by including a request with each chapter report that you notify Bob of your chapter information. The problem is that I decided to do it while I was in Ky. and not one ham was home for me to verify the info on Bob. I gave him a new last name but did remember enough of the address so that all I had to do was pencil in the house number. Sorry about the name Bob but I guess the end results was accomplished. Bob called and said that he had received a lot of mail including some DX. Thanks to all of you who took the time to send the info in. The directory can only be as good as you make it. PLEASE when any changes are made in your day, frequency or time let Bob Willi/NZ5E 804 Colleyville Ter., Colleyville, Tx. 76034, know of the change. If you are a new chapter please also send your information and especially any certificate to Jim Beswick/W4YHF Rt. 5 Box 77B Ellijay, Ga. 30540. You established chapters know to send your changes to Jim. At his own expense Jim puts a lovely certificate with regular updates out. There is a small charge for this but in no way does it cover the cost but Jim makes it so everyone can afford it and that is a big help for everyone. Please check with me on any changes so that you will not land on the frequency of another chapter. I do appreciate the calls and letters from those of you who have called recently.

Last quarter I asked for two chapters to volunteer to score the CW and phone QSO parties. This would be for 1988. Harry/WB1FTQ asked that you write me as he will be moving over the next few months. Harry does have information to send you that would make the job easy for you and it would not be a big job for a chapter to do. Thank you for agreeing to do this and I shall pass your info on to Harry. I am sure that he will let me know how to reach him so that he will be able to receive his mail and contact you.

As most of you know N8CBE/Elaine has taken over the OM/YL certificate. This is not a chapter but one does need a 10-10 # to participate. Many people are still sending to Monita /N1J4X who started the certificate. She uses one of your stamps to forward your request to Elaine and then you are short a stamp which Elaine has to make up. This does not allow for any kitty when it is time to buy supplies. There are 3 certificates available and each is \$1+ 2PCS or # only for SASE. Elaine has issued 27 certificates. 15 basic, 11 VIP'S and 1 Golden 50. It is a very interesting certificate to add to your collection but please send to N8CBE/Elaine Nickoloff, 5583 E. Atherton Rd., Burton, Mi. 48519.

Those of you going to Dayton for the first time. Ask where the cafeteria is. When you locate that find a long table with many people around it deep in conversation. It may or may not have a Parrot standard attached. Most likely that will be the table at which the paper chasers collect. At least find the room and soon you will see a hat or jacket with a call that you will know and you are there! Come and join us there.

After you have had your fun in Dayton then jet on down to Shreveport in Aug. KJ5DE and the gang there have planned a convention to top all. No stone has been left unturned. Every need seems to have been thought of. If you run out of lists there is a copy place that has agreed to stay open evenings and will run off copies of whatever for a very reasonable amount. The fifth district has worked so hard to give us our first ever ten-ten convention so let us show our appreciation by supporting it.

If you can go a little more. Betty/KB6AN and Bea/N7CZQ have a lovely trip to Reno planned for August 13-16, 1987. This is a no host event but all of our meals are scheduled for a certain place. The food is good and the prices are too. The Circus-Circus will be headquarters and the hospitality room will be in the name of

Betty and William Becker. Last year it worked out beautifully . We will miss Wayne/ WA6KFT at all of the affairs but he would want us to go and have a good time. Last year Louis/HA5DW was in Reno. Louis will not be there this year but I am sure that he will be remembering the good time and how kind so many people were to him. He did so very much appreciate the good time that he had and thanks those who made it possible for him to do so. Louis was enjoyable to have around and we were all sorry when the time came to say good-bye and we look forward to a return soon. A few years ago in Dayton Simon/ZL1AIB was there to delight us. We look forward to seeing you again Simon and if you go to Shreveport and run out of lists as you did in Dayton no problems in getting more. I hear that DX is going to be in Shreveport and it is always so good to say hi to them and work them so that we may get those long awaited for numbers and they of course are anxious to get ours. Poor band conditions works both ways. I was checking the certificate directory put out by W4YHF and the only basic certificates that I don't have in the propagating ones is Tarchang, ESPO and TAMVO. THE AMERICAN EAGLE for the states. The NP I need Green Country. Many thanks to the TRAIL OF TEARS for the nice number from them. Steve ex W9ZIX who used to be very active with the Old Fort net is now in Tn. with a 5 call and has begun a nice chapter there. It will be listed elsewhere. Our chapters are the backbone of our organization so let us support them in anyway possible.

Something is happening to my mail. Last ruartge after I had mailed my material in. I got a report from K2HLC in a government envelope. I assume that the original had been damaged in the mail and they used theirs. It takes forever for things to get from here to there. So much for problems go to a convention and forget that they exist. Hope to see you in Ohio, La. or Nv.

If any chapter heads do not have the guidelines for ch, please send me an SASE and I will be glad to send you a copy. It goes out when a chapter is just starting but often is not passed on to another for whatever reason.

A recent letter from KL7IEN/Jay first ch of Alaskan Iditarod reminds us that we often misspell Iditarod. Sometime we use our imigation in spelling a word that we have not heard before or shorten it such as on lists and it is nothing like the original.

Hope to see many of you in Dayton and at the 10-10 forum which will be Sat. AM. Then on to Shreveport and finally Reno.

73.

Carver Haddock
K6FXG
Chapter Co-ordinator

F-L-A-S-H

Last issue an article was printed on building a transmitter power booster. Thanks to Ray WD8JKV, it was discovered that part, Q1, FET, Motorola, MFP-103 (radioshack p/n 276-2028 is no longer available. In checking further, I found that it was replaced by Radioshack p/n 276-2085. It comes one in a package for approximately .79 cents. There's still hope for building the project.

A LITTLE RECOGNITION

A LITTLE RECOGNITION

In the last issue I printed a poem which was sent to me by Barbara Vaughan, WB7NUU for Christmas. Neither of us knew who originally wrote the poem. I received word from Bobbie that the author is Emmett Thaxton, WD5HRK. The two of us would like to give credit where credit is due. Congratulations Emmett on a job well done.



John, K2HLC (#23236) with Dave, N2ARY
(#26527)



Jack, W2KHK (729308) with his lovely XYL



Warren, WB2ONA (731771) with XYL and Son



Don/N2ARY, G11/WB2DLT, Hugh/KA2SKO



Marv/WB2SJO, Manuel/K2LPG and XYL Myra



Ron/N2BRZ, Tom/WB2STV



Irv/KB2LG, B411/WB2SXT, Marv/WB2SJO



Steve/N2BCS, Larry/WA2SUH



Jack/W2KHK, Jack/NN2B, Paul/KB2SQ



John/K2HLC, Paul/KB2SQ, Ron/N2BRZ,
Al/K2AAZ, Steve/N2BCS, Larry/WA2SUH

Members And Guests
Attending The Bi-
Monthly Breakfast
Meeting Of The
Trotters and Pacers
Chapter. December
14, 1986

Submitted By
John, K2HLC



Morris/WB2STV

VOLUNTEER THROUGH AMATEUR RADIO

This article does not pertain to 10-10 entirely but does deal with Amateurs in general. Amateurs are especially useful in emergencies but not entirely in Disaster communications. Very often hospitals and other medical facilities are not able to communicate with the disaster center or other medical facilities in the local area. Floor to floor contact may also be lost if the utility system fails.

Usually a medical facility will have at least one licensed Amateur on the staff. The Amateur would be able to operate amateur equipment which would be purchased and installed by the facility. The Amateur operator would be in charge of the station and operate under the call sign of the Amateur.

The equipment could be two meter transceivers with ground plane antennas. Simplex operation would be best as repeaters are subject to power outages, other types of failure and interference. Ground plane antennas have an omnidirectional pattern which is desirable. The equipment would be connected to the emergency power system of the facility. All medical facilities and large multistory buildings are required to have emergency generating units, powered by diesel or gasoline engines. In California most units are powered by diesel engines. The units are required to start and be on line in ten seconds. Switching is also automatic between the generator and the building bus. Emergency generators are not operated in parallel with the public utility.

Many Health Organizations operate more than one medical center in a local area, an example is the Kaiser Permanente Medical Centers in the San Francisco area (Northern Region) and the Los Angeles Area (Southern Region). The equipment used in the Northern Region, consists of two meter transceivers and ground plane antennas. Simplex operation is used. The Southern Region will be equipped in a like manner. It may be necessary to use hand held units for floor to floor communication should the telephone system fail. Some Medical Centers in the Northern Region have "in house" telephone systems and do not use hand held units.

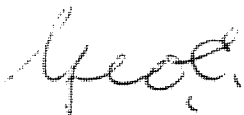
In the local area the Los Angeles County Disaster Network uses two twenty, two meters, ten meters and 160 to communicate with all Sheriff Stations in the County. Hand held radios play a reliable means of communication during any type of disaster. Mobile units are the link between the hand held radios and disaster headquarters when there is a power failure.

I was an employee of the Kaiser Permanente, then Kaiser Foundation, Medical Center and during my years maintained an Amateur station at the Center. Ten meters and two meters were in operation. The station was an auxiliary Los Angeles County Disaster Communication Center and available should the station at the Sheriff's Station in the area fail.

Members of 10-10 are all licensed Amateurs, all have radio equipment and the knowledge to use it. The use of Amateurs and amateur radio in structures in which they are employed can be useful to Management. The Amateur can be an instructor in the use and importance of amateur radio in disaster situations.

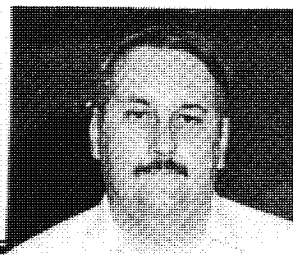
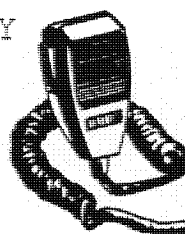
I am indebted to Mr. W. R. Schneider, Asst. Regional Administrator of Kaiser Permanente Medical Centers, Northern Region. Parts of this article were taken from an article by Mr. Schneider, published in the California Society for Hospital Engineering.

Geo. E. Elliott W6 ENC #1774



10-10 INTERNATIONAL NET SUMMER PHONE QSO PARTY

By: Harry Syring, WB1FTQ, #23934
Contest Manager



Starts: 0000 (UTC) August 1, 1987
Ends: 2400 (UTC) August 2, 1987

Ten-Ten 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 use them for awards.

RULES

1. All contacts must take place on the Ten Meter Phone band.
2. Exchange: Callsign, Name, City, State, & Ten-Ten number.
3. A station may be counted only once.
4. Single operator stations only are acceptable.
5. SSB, FM, or AM modes are acceptable.
6. All contacts must take place during the 48 hour contest period.
7. Logs must be kept in UTC.
8. A Dupe Sheet is required of all participants. Indicated computer duping is OK. (Send SASE to me for copy of dupe sheet.)
9. Chapter assignment of scores may be only by a paid-up member belonging to that chapter as a local member, and able to work that chapter net via groundwave from the location of the station working the contest.
10. Illegible or improperly submitted logs will be rejected. See below for log submission requirements.
11. Failure to comply with any of these rules or their intent may result in disqualification.

SCORING

1. Two points for each contact with a 10-10 number exchange.
2. One point for each contact without a 10-10 number exchange.

AWARDS

First place certificates to all U.S. call areas; KL7 included with 7th area. Also Canada, South America, Central America, Caribbean (including Bermuda), Europe, Africa, Asia, and the Pacific, (including KH6, all pacific islands, New Zealand, and Australia). Individual and chapter scores are published in the NEWS. Paid members only listed.

LOG SUBMISSION

Logs are accepted from 10-10 members only and must be legible, in UTC, and complete. Each line entry must show callsign, time, name, QTH, and 10-10 number (if any). A Cover Sheet is required showing your name, callsign, QTH, 10-10 number, membership expiration date, chapter assignment (if any), total contacts and total points. A cover sheet can be found on the rear page of the 10-10 NEWS. A Dupe Sheet must accompany all logs. Logs must be postmarked no later than September 1, 1987, and mailed to: LIARS Chapter, c/o Larry Berger, WA2SUH, 9 Nancy Boulevard, Merrick, New York 11566.

Next Contest: Fall CW Party - November 7,8, 1987

CHAPTER CHATTER

CASTLE CRAIG(K1VOF): We are all looking forward to the band coming alive. It has sure been dead here. MAINE-iacs(W1MGP): We have had to SK's, W1GPN#40443 and K1QJK #20506 and one member is moving out of state but we have had some new checkins so it should just about balance out. Congratulations to Frank/K1UM2 for becoming a vp. Mass. MINUTE MAN(W1FFT): Just remembering that a year ago this April W12LK/ John Schmitt became a SK and just before him W1NC/Earl White, both of these men did so much for ten-ten. We apuse to honor them. MOHAWK VALLEY(KK#8): Membership lists and individual status reports are available to all MV members for SASE to KK2B via CBA. CBA is Call book Address. NOR'EASTER (W1TAM): Checkins were good during the last qtr. OCEAN STATE(W1CRR): Band seems to be improving. HUDSON VALLEY HAMSTERS(KD#EC): You no longer need 1C & 5 different states for the scenic tour. Hope this will help those during low band conditions. TROTTERS & PACERS(K2HLC): Our chapter is alive and growing. Our semi-monthly breakfasts are becoming better and better. Last one had 36 members and yls. Had a large group from Brooklyn and Long Island. Hope to have picture for an up coming issue of the NEWS. Our 86 picnic at the qth of K2HLC was so good that we plan a repeat in 87. Watch for information later.

ANTHRACITE BREAKER(WB3AVF): Still holding our nets Sun & TUES. 9PM local time 28.660. COMMODORE PERRY(WB3IFE): IQ certificate at 3000 points. SASE. DELAWARE VALLEY(K3LBM): We have been active since 1969. Nets THUR. 1930 EST 28.660 fairly well attended. SKIPJACK(KC3RA): A new certificate Commodore at 5000 points. WHITEHOUSE(WB3BMA): Join us Tues. 0100 on 28.725.

AMERICAN EAGLE(WB4MWC): The one time only "STARCHASER" is no longer offered. CHATTANOOGA NR4R): Lots of new awards, county hunters, WPX, Classic, Worked all Chatt. Best of all join Channel chapter send your # to NR4R and W4UIQ for a 10 pt. up grade. Now about that for two chapters working together. SASE for all update info or get your guide from W4YHF for this and much-much more. March 14th we are picking up our 28.375 net with emphasis on qualifying novices and technicians for 10-10 membership. Top operators of the month were Aug. WA#CKO; Sept./K4JGD; Oct./WA4EBO; Nov./NR4R; Dec./N4MSK; Jak./KD7UX & K2LPG. CRADLE of the Confederacy (W4PLI): Called up a bunch of old timers and got them back for a couple of evenings. DEVILS' TRIANGLE(WA4ZIX): Hope we can get busy exchanging numbers and passing out certificates again. DRUID CITY(K4CIH): A large plaque awarded to the first member who reaches 500 pts. Visits from N5DAS, K8BJKV & KA5OVO. Great to have them drop by. 1000 pts up 3/100 new pts. Many thanks to all of you who sent cards during my illness. CYPRESS(KA4QFG): numbers below 75 are locals and IQ. All others 5 contacts to qualify. During June-Dec. We issued 97 certificates for the 2FCS only. ORANGE JUICE(W4DWN): W4PPQ/Kitty is in the hospital. Walt/W4DWN has had two eye operations and is doing fine now. POSSUM TROT(KU4N): we have a new net frequency 28.345 Sun. 1230 local time. WIRE GRASS PEANUT PICKERS(W4PNC): New upgrade Golden peanut when your pt. value reaches 2000. Our chapter continues to grow and thanks for your support. We still have FS for the following states- N.D.: WYO; Idaho so you paper chasers get busy. There are many IQ's out there.

BOONTOWN(N5EBA): A very nice write up in the paper about our chapter and a pix of CH giving certificates to the mayor and others recognizing them as honorary HAM radio operators. Looking on was president-elect of chamber of commerce a lady as is the mayor. Other chapter members W5TJP & W5NQD attended. Spent 6 hrs. in Jr. Hi science classes demonstrating ham radio. Started a novice class in Feb. with 13 in class. Two people drove 25 miles to join us one Sat. LONESTAR(NP5CA): A group of us will join the other chapters from Texas to travel to Shreveport in Aug. Looking forward to seeing you there. GRINNING ARMADILLOWS(W5QLD): Got behind on paper work due to illness. Now both the illness and paper work is cleared up. When sending for upgrade include proof of paid up membership in 10 for a 5 pt. upgrade. SASE if not with upgrade. Proof will be returned to you. HOUSTON SHOT (KC5CP): Frequency change to 28.488 Wed. 0200Z. Join us there. LONE STAR(KD5ZD): A great opening on ten day after the contest.... OUTLAWS ON TEN(WD5EDR): Now have two outlaws in the Soviet Union. RED RIVER VALLEY(N5FJ): Have started 500 club for those who are worth 500 or more points. Anyone who

submits 25-5000 Club #SWith calls will receive one time upgrade. Having a QSO July 3, 1987 starting at 2359Z. One point for basic, 1 for VIP and one for R. E. Lee. Our membership has doubled in just over a year. Thanks to all for being so active and supportive. We love you all. In less than a year we have 20 members with WAS and 99 with Robert E. Lee and neither of these is easy to get. At the convention in Aug. we will have a special event station Aug. 3 thr Aug. 9th on 28.585 or 28.685. CH for the Robert E. Lee is WB5AIA. REPUBLIC of TEXAS(N5ANN): The RTX Road Gang is planning a Shreveport trip for fun and an eye-ball with our 10-10 friends. The charters all made resolutions for 1987...wonder how they are doing?

DAY AREA(W6ANK): Recently gained 5 new members.KA6ADS is doing a good job with CW on 28.155.BIGFOOT(WB6SRQ): We continue to have 12-15 checkins each net. GOLDEN BEAR (WB6PCQ): SASE AND proof of paid 10-10 dues adds 15 pts to G.B., Hangtown Crossing, Earthquake.ORANGE COUNTY(WA6HEL):We are going to discontinue our net but we will still issue a certificate to any applicant. We still have quite a few charters who are active. FRESNO(WD6AIY): NewCM is JAY/WD6EKO 7459 W. Fairmont Ave., Fresno, Ca. 93772. All request should include \$1+2FCS to Jay.

CASCADE(WA7OVP): Just to let everyone know that we are alive and well. Still issue a few certificates. Planning on going to Shreveport and Reno. See all of you there. City of ROSES (ND7I): We are working on plans to be on the air to welcome the novices and see if we can introduce them to 10-10 and the City of Roses. Our new CM is KA7ACI/Howard Weber 565 Stonehill Gladstone, Or. 97027.LILAC CITY (WB7WF2): Continue to meet in homes with good attendance. Completed scoring both CW contests for 1986;quite an experience. Plan to take part in the annual Inland Empire Hamfest Sat. April 25, 1987.PHOENIX VALLEY(WB7VZI): NOTICE TO ALL include your Glendale, Peoria, Youngtown, Buckeye & Valley aww #son certificate list or five on the air because they are used for upgrades.

C.A.T.T.(W8JPY): Good news the Forum at Dayton will be on Sat. April 25, at 11:00 AM in Room 3. We will have 3 spots in the flea market-look for the CATT flag stop by to say hello. GREAT LAKES(W8HIU): We are moving to 28.480 still Tues. 7PM EST. STARK COUNTY MUTUAL AID NET(K8JZN): Each we have over 200 checkins. Sorry to report WA8FLD/Al Frick #1020 is a SK. Al had retired to Fl. a few years ago.MICH. WATER WONDERLAND(W8WVF): We are joining forces with the Great Lakes chapter for our net. CITY OF LIGHTS(W9ZGP): Our chapter wishes to thank our 9th district manager for the most efficient way she has been enrolling new members and renewing present members. She is Bernice Tielmann/N9CDO.CAREN(AJ9C):We sponsor the Steel City Certificate and in less than a year are in 200 stations 38 states and 4DX countries. Thanks to W0WYN, WB7NUU,KA5OVO,N4HSK,NK4V and KALLEV for helping the certificate off to a flying start. E.R.C. (WB9SNX):We are still holding our nets and look forward to having you join us. MILWAUKEE(W9MZZ):Our new certificate program is going well. Look forward to being re-presented at some of the conventions. Especially Shreveport. NITT(KA9SOX): Our certificates are available from WB9SES for \$1+2FCS. Include all correct log info.Require 25 pts. to include 2C or MC.Upgrade information coming soon. Still need FS from Western US.

CLIFF DWELLERS(W8DKK): Achange in the point system for our certificate will be made in the near future. Listen for us Sun. 10 AM or 6PM MST on 29.330.MINN-DAK SUNFLOWER (K0WFT): Due to personal circumstances our CM has been slow in getting certificates out. We will respond ASAP.Things are back to normal now and mail is out on time. We too are changing our frequency to 28.480. 0000Z mo. SU & W is 0100Z.GATEWAY(W8ERA): The land should be good this summer so get the mobile rig ready to check into the nets while you travel.WB8GGO/Bob logged 3,657 miles on his bicycle by late fall. Rode 100 miles in 9 hrs and 38 min. W8QX worked W6ENC in the CW contest. a check showed a contact took place 33 years when both were living in the L.A. area. W6ENC can still talk with his fingers using a straight key.

Air Capital Tentenners(K5ERJ): During our first 6 months we have 215 members.Dinner eye-ball meeting had 20-28 in attendance.

CHANNEL(G3MDH): Everything is going fine. Good participation in QSO PARTY. Sorry about the delay in getting certificates out. The problem is them computer printed. JOHNNY CANUCK(VE2ANE): Sorry to report that VE2BQN our former CH became a silent key a few weeks ago. VE2ANE has agreed to take over as CH. Lake Simcoe(VE3RG): Sorry to report that CH Neal/VE3BRF became a SK Feb. 7, 1987.Reg/VE3RG will be CH and CM. Reg is planning to be in Dayton. LAKE GENEVA(F6EAK): Marcel flew to Islands of Guadalupe & ST. BARTHELEMY(Caribbean Isles) to discuss with FG5BM about DX operation and 10-10 in this zone. RHONE ALPES(F6EAK): CH is home after having had triple by-pass heart surgery. MANCUNION(G3RRM): Former CH G3BKS died last Nov. Our problems with certs, has been solved. WE meet Thurs & SUN. TULIP(PA3ABW): Things are slow here in the Netherlands but we hope for more activity soon. SCARABOROUGH BLUFFS(VE3RG): We donated \$100.00 to get Lake Simcoe going. It was received with thanks. TARCHANG(JA3KRC): This summer we will have our 10th birthday. Thank you for supporting your activity. In Dec. we had a bonen-kai, a year end party. We all enjoyed some sake. HUNGARIAN LANDSCAPE(HA5SO):We have 162 members with 24 FC & 24 FS. For every 100 pts abov 400 pts. you will get a 2 pt upgrade. Fee is 3 IRC's for postage. We are trying to get a club station HA5TEN. TANGO(LU1CBL): Net is Sat. 1730 UTC 28.650. Basic is 15 pts. fee \$4 US dollars. Postage is very expensive here. 2 pts for net checkin & 1 pt for paid 10-10 dues. MAD SWINGERS SOCIETY(SM4GWI):In Oct. we will be five yrs. old. From July 31, 1987 to Dec. 31, 1987 all C/HM/FC/FS will be IQ for the basic. BROOKLYN BRIDGE: Something new has been added. Worked all Brooklyn. AT 15000 pts. you may apply for WAB. \$1+2FCS. 5 pts for checking into net and staying one time through. 25 for working WC selected on each net. 10 pts for paid 10-10 dues. 5 pts for each yr. paid after 87.100 pts for week of your birthday Sun. to Sun. Must notify CM of bd. Contact program, only 1 contact per call per 3 mo. period. same call area 1 pt., other areas 2 pts. DX is 3 pts. At 100 contact pts. add + 5 pts. SASE to N2E2P for complete info.

SNOWBIRD-SEARCH

SUNCOAST#	CALL	EACH 10X CONTACT=1PT	EACH SUNCOAST CONTACT=1PT	EACH SNOWBIRD CONTACT=5PTS	TOTAL POINTS
1457NC	WB8JET	11	5	5=25	41
1583HC	WB7VZI	16	16	16=80	112
1400HC	KC4SP	20	7	5=15	42
349HC	WB2SXT	19	13	12=60	92
1448	WB2DLT	30	19	17=85	139**
1582	KD2IJ	23	22	16=80	125
1431FS	W2KRK	15	15	14=70	100
1315HC	WB3HCU	22	12	9=45	79
1207HC	WA2KWC	18	15	14=70	103
1538	W9WYN	9	5	1= 5	19
1469	KA2SKO	15	15	14=70	100
1423FS	KA5OVO	10	4	3=15	29
1480	W2YFP	18	14	14=70	102

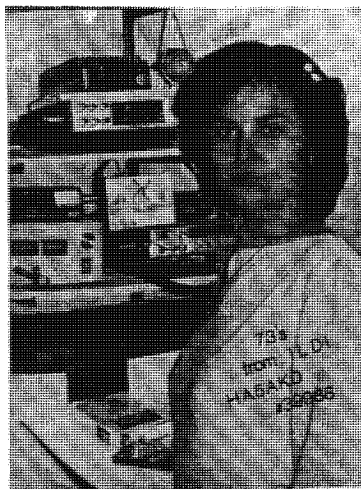
Reports were received from the following chapters. CHOCTAW BAY(WF4X); MUSIC CITY(W4HXJ); TIDEWATER TEN-10(WA4BGC); OLD NORTH STATE(W4NJS); MASON DIXON(WA3SRE); ALL AMERICAN CITY(N4DRC); BLUE & GRAY(KF4FO); BLUE BONNET(WA5JDU); BAUKITE(K5NE); 10 BAR X(K5DIT); COWTOWN(KF5CA); Dallas COWBOYS(KA7KAW); GREEN COUNTRY(W5NNL); MS. LIGHTHOUSE(N5AQJ); HOOT OWLS on TEN(K6PTT); RIVER CITY ARC(WD6DFB); CHIEF SEATTLE(KA7A); CRATER LAKE(K7TDK); GOLDEN SPIKE(W7ZKL); NORTHEAST NEVADA(W7ABX); CROSSROADS VILLAGE(K08S); MID-LID(KG8S); MICH ROBINS(WD8PPD); Shawnee(WA8NRC); MO-KAN TENNERS(WA8HQQ); NORTH STAR(K0SE); PIKES PEAK(KC0TQ)E.A.T.T.(VE6ATT);SURREY DOGWOOD(VE7CLC);BERLIN BEARS(DL7ZR); BRISBANE SUN VALLEY(VK4BGM);PENDLE WITCH(G3YWI).

Welcome back to the Colorado Bighorn and Colorado Centennial who are joining forces for a net on 28.440 Wed. 0230Z.Check certificate guide for certificates from these two chapters.

NEW: South Texas Light Horse Brigade(KA58PE); Sun. 2200 W. 28.488
TRAIL of TEARS(KD5ON):Basic is 30 pts \$2+2PCS to KD5ON Steve Brown Rt. 15 Box 200C Cookeville, Tn. 38501
ChiefKill1Buck(WB8VCR): Mon. 0100Z 28.660.Basic 20 pts or 1C/HC \$1+2PCS to KA8PGV
Bob Retherford 1881 Hazel St. Apple Creek, Oh. 44606

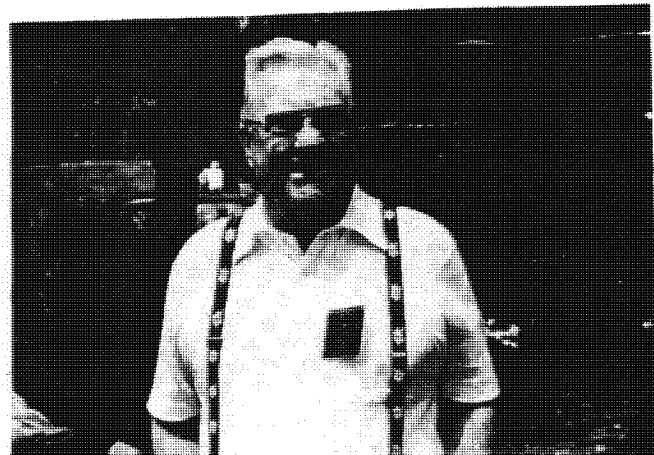
Results of the Closed Contest M denotes member and O is officer.

K4HTU 55/88	WA3RBQ 18/20	W5JO 6/6m	N8GFI 21/28 o
K6LHR 23/48	W3DCN 21/24 o	K6LHR 23/48	ND9V 21/26 m
	W4HTU 55/88 o	WB6RXE 36/55 m	NJ0P 20/35 m
	N4ILE 22/28 m	KD7UZ 19/21o	N8DES 23/33 o
	N4TPA 13/23	W7ISP 19/22	ZL1LE 4/6 o

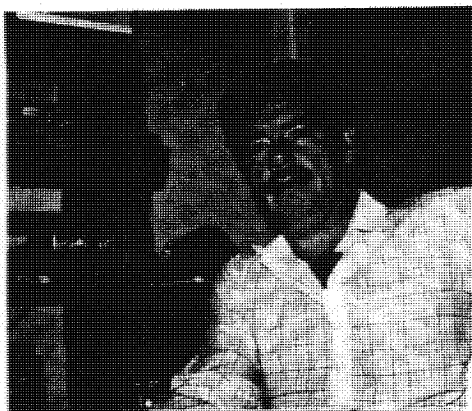


ILDI/HA5AK1

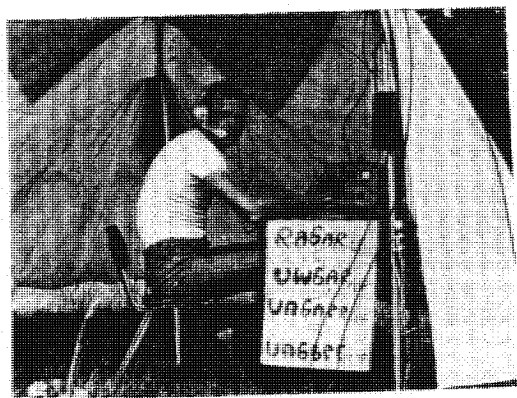
Submitted
By
Carol
K8HDK



Meet the new chapter head of
The Cypress Chapter
Bill Evans. KA4QFG



Retana Family, Luis Sr./TI2LC, Ricardo/TI2QL, Luis Jr. TI2LCR



Yuri/UA6PR

PICTURES
SUBMITTED
BY
CAROL
K8DHK



DXpedition to Tskhinvali
Tom/RAGAR, Yuri/UA6PR, Mike/UA6BPF, Serge, UA6APR



Fred Zwengli/WB9CSA



Miki/HA8XX

1987 WINTER QSO PARTY

SCORED BY THE LIARS CHAPTER

TOP TEN	DX DISTRICT LEADERS	U.S. DISTRICT LEADERS
1.N2EOC.....514	SO. AMERICA...CX2AAL...248	1.WA1WFI.....244
2.N6HC.....441	CARIBBEAN.....0	2.N2EOC.....514
3.N6RZ.....381	CENT. AMERICA.....0	3.WB3FGU.....340
4.WB6FOD.....355	EUROPE.....FSIL.....03	4.K4HTU.....287
5.WB3FGU...340	CANADA.....VE7IH....45	5.WA5JDU.....229
6.KW7E.....326	PACIFIC.....ZL1BWM...182	6.N6HC.....441
7.WB7NUU...300	AFRICA.....KA1BFC/ZS6. 7	7.KW7E.....326
8.KD4GW/6...297	ASIA.....UA0FH....20	8.WD8PFD.....116
9.WB6CMX....293		9.KD9WF.....257
10.K4HTU....287		10.N0DES.....264

DX RESULTS INDIVIDUAL STATIONS

CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS
CX2AAL	144	248	VE7IH	25	45	VK3ATE	10	15
LU1BJW	116	219	VK3BDY	28	44	JH1UUT	11	10
LU6AJA	105	190	G4ZYV	27	37	ON6XN	9	15
ZL1BWM	133	182	G4YVX	25	31	ON5HN	9	14
CE3AEZ	62	117	ZL1B2K	15	28	G4XGM	9	14
VK2NCB	75	99	G3MDH	18	24	ON4UDX	8	10
FSIL	75	83	VK6RG	13	23	LU1CBL	7	11
ZL1LE	49	77	UA0FH	18	20	ON4GN	6	11
PA3CAZ	56	60	DL7AIU	13	20	ON4BG	6	10
ZL1KG	34	60	DL7GG	12	19	DL7ZR	5	9
ON7YO	46	53	G4TLQ	12	16	G4DRF	6	8
G4XAH	41	49	G4WEY	16	10	KA1BFC/ZS6	7	7
						DK7FF	3	3

CHAPTER STANDINGS

CHAPTER	LOGS	POINTS	CHAPTER	LOGS	POINTS
1.City Of Lights	60	8053	32.Old North State	6	348
2.Trotters and Pacers	32	4588	33.Brooklyn Bridge	3	347
3.Fort McHenry	35	4536	34.Pike's Peak	4	346
4.Nutmeg	35	4064	35.Michigan Robins	5	345
5.Republic Of Texas	32	3276	36.Fresno	3	319
6.Cliff Dwellers	16	2698	37.Colorado Bighorn	4	293
7.Bay Area	16	2026	38.Crazy Eight	8	285
8.Milwaukee	19	1862	39.N.I.T.T.	1	255
9.Cradle Of Liberty	16	1616	40.Grinning Armadillo	2	217
10.Golden Bear	10	1596	41.Devil's Triangle	1	209
11.Houston Shot	17	1433	42.Cascade	2	184
12.Cypress	8	1290	43.Down Under	3	160
13.Minuteman	14	1197	44.Channel	7	158
14.Steel City	7	1138	45.Blackhawk Valley	3	147
15.Hudson Valley Hams	6	1123	46.Michiana	2	144
16.Grand Canyon State	6	1121	47.Music City	7	138
17.LIARS	8	1106	48.Wiregrass P.P.	3	133
18.WhiteHouse	9	1104	49.Suncoast	1	128
19.Air Capital	15	603	50.East South Pacific	1	117
20.Cowtown	6	754	51.Borinage	6	116
21.City Of Roses	6	706	52.Sky Blue Waters	3	116
22.Murphy's Law	4	638	53.Delaware Valley	2	107
23.Nor'Easters	5	627	54.Billy The Kid	1	101
24.No-Kan	13	585	55.Oise Valley	1	97
25.Gateway	14	582	56.Buzzard Roost	1	56
26.Blue Bonnet	4	525	57.Berlin Bears	3	48
27.CATI	11	515	58.Silver Dollar	1	41
28.Norwalk Keystone	4	474	59.Parrot	2	37
29.Mid-Lid	8	468	60.Ten Bar X	1	37
30.Tango	3	420	61.Shawnee	1	36
31.Lindbergh	3	401	62.All American	1	19

RESULTS BY CALL AREA - INDIVIDUAL STATIONS

CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS
AREA 1											
WA1WPI	127	244	N1JW	78	153	AE1D	51	99	WA1AKS	34	68
K1IEQ	123	225	W1DSK	77	151	KA1CFO	49	98	K1MRV	33	64
W1GUC	113	221	N1BIZ	77	148	K1SVP	50	95	W1IIP	32	64
K1LDO	105	203	KB1ND	73	144	KA1CCG	47	94	WA1MUT	32	62
W1EQ	101	195	KA1EXM	68	138	KA1ERS	47	94	WA1RED	31	62
WB1GMM	99	195	W1FAB	65	128	N1BTF	48	88	W1JZU	31	61
KA1LEV	101	186	K1QFD	65	127	W1QMT	44	88	WA1YZA	30	60
K1CKD	97	179	N1CKD	64	122	N1AND	44	86	K1BCI	30	60
W1KZH	89	174	W1ZGP	62	122	WA1ZNT	44	86	W1IMV	30	60
W1MME	89	165	KA1LLX	58	113	K1EPI	43	84	K1LEZ	29	57
WB1EPD	85	165	K1AYR	58	112	W1FFT	40	79	N1BPC	28	56
N1API	82	161	WA1TTC	56	109	W1BKH	38	76	KA1VS	25	50
KA1EOL	80	156	K1YWW	56	107	KE1E	37	74	KA1EB1	23	46
W1NRG	79	155	W1SIX	52	100	WB1FTQ	35	70	WB1GLZ	22	44
						W1KKG	36	69	W1AUG	21	42
AREA 2											
N2EOD	277	514	W2KRK	89	173	W2HAJ	72	141	WB2MAN	56	110
N2BIN	129	243	K2HCP	89	171	KA2PFU	71	137	W2KZE	50	100
KD2EC	119	226	KA2QSR	87	168	WB2CLW	72	136	N2BBZ	50	99
WA2SUH	116	218	W2ZWB	85	163	KA2BBH	72	136	WB2ZSW	50	97
WA2JQK	110	206	KB2SQ	87	162	K2AAZ	71	136	W2EDT	50	94
NC2G	106	202	W2ESK	87	162	KA2DKS	70	134	N2EGG	47	90
K2HLC	105	202	WB2SXT	82	159	NN2B	66	128	WB2COL	45	88
KX2W	105	202	KD2NN	81	152	N2EZL	64	126	N2DNY	44	85
WB2SJD	103	197	WB2DLT	79	150	KA2VKW	67	125	K2LFG	43	83
W2LOT	101	194	WB2STV	77	149	N2GRW	65	125	WB2ONA	39	58
N2EIP	98	186	KA2SKD	78	148	WB2LLH	61	119	N2QV	39	58
WA2KWC	94	180	NC2M	76	147	WB2HIW	61	119	K2BJA	34	48
W2GSA	94	180	KD2IJ	74	143	N2DXQ	56	110	K2HTD	15	29
									KA2FFI	06	12
AREA 3											
WB3FGU	176	340	WB3HAN	66	128	WB3HAE	50	95	N3CIX	29	57
K3TC	141	262	K3ALO	68	127	W3DCN	49	94	WB3ANX	27	54
W3BNQ	115	222	KA3IDL	67	127	W3EXX	49	94	WA3PIN	26	51
WB3FSB	116	216	K3DBM	66	126	KD2HS	47	91	K3VY	26	51
W3JZP	97	185	WA3YLO	65	124	WA3YHE	47	91	KH3D	25	50
N3AMX	95	185	K3ZT	63	124	WA3YJA	49	90	K3DYX	25	49
W3FQN	95	179	WB3DJU	61	120	K3FFG	43	85	K3ZIX	25	47
ND3G	90	173	K3TUJ	60	116	KB3MR	43	85	NA3H	24	44
WA3TRI	85	167	WA3MIK	59	114	W3PHV	43	83	W3UHM	24	44
WB3EAW	83	164	N3DDV	59	114	W3TEV	40	76	WB3EHR	24	40
WA3R8Q	82	159	K3TX	57	112	WB3IHQ	39	73	KD3UM	20	39
WB3AEX	79	154	WA3WOD	58	111	KA3LCF	37	71	KA3AVB	23	38
K3CD	75	146	N3EDJ	56	109	N3FAS	37	70	KD3HO	22	36
WA3GLQ	73	141	KA3FDL	54	106	KD3CM	35	70	WA3YTI	17	37
KA3IDL	72	141	W3ARK	53	103	WB3BMA	37	69	W3KTW	17	33
WB3HJC	72	139	W3HII	53	101	K3GDI	34	67	WA3ITL	15	26
KA3GMP	71	137	KD3WX	50	98	W3LEM	30	59	WB3RGH	13	22
						N3BQS	30	57	N3CZK	07	13
AREA 4											
K4HTU	147	287	WA4SYZ	65	126	WB4VBL	32	64	W4DYL	10	19
AA4KN	111	218	NK4H	58	113	AA4LO	28	56	W4DKC	09	18
N4ILE	108	209	W4PNC	53	105	WA4GZZ	24	48	W4FYB	07	14
KA4OFG	105	207	W4NXM	45	86	W4EHN	23	46	KB4KVY	07	14
N4JGQ	104	191	KJ4KX	36	71	KA4VAN	23	46	K4E2S	07	14
WV4V	99	182	W4NJS	36	70	N4BQI	23	45	KA4HMV	07	14
KB4TCF	90	166	N4FBY	35	70	WD4EEB	18	35	K4VEH	06	12
N4FPA	80	156	WA4IWL	34	68	WA4RHE	17	34	KA4SYG	06	12
N4JCS	71	140	WD4IGA	34	67	WK4F	14	28	W4WJV	04	08
						KF4HL	10	20	KF4FP	05	07

RESULTS BY CALL AREA - INDIVIDUAL STATIONS

CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS
AREA 5											
WASJDU	131	229	WC5L	67	127	NSAFV	48	91	KD5XH	23	46
NSJOK	128	228	WSVNB	64	120	KCSFX	44	88	WSUFA	23	45
W5NDK	112	213	WSPNL	62	118	KESID	43	86	WD5EDR	23	44
NN5Y	110	208	WSADH	61	118	KDSEE	43	85	K5DRG	22	43
W5GVP	102	190	AF5A	61	118	KA5SLR	45	84	KF5SB	21	42
WASJDM	101	190	NSANN	59	114	W5SRQ	42	80	KK5P	21	42
KFSUN	100	187	W5EHF	62	113	N5DIU	41	79	N5SF	21	42
KC5CP	96	169	K5BPK	59	113	W5SUXL	40	79	K7VAY	23	41
N5DAS	88	168	K55VV	56	108	W50YEA	39	78	K5DIT	19	37
WD5BFO	86	163	KJ5L	57	107	WJ5D	37	74	W55U	17	34
WD5JKV	84	161	KD5ZZ	54	107	N4NKK	33	65	W5SIGG	16	33
WSKND	83	158	KASLKQ	55	106	KASKAW	34	64	W5SRPJ	16	31
WJ5O	81	154	NN5G	54	106	W5KHN	33	63	KASGAD	15	30
W5SRDM	79	150	N5ACH	53	104	KCSAC	32	60	K5TGE	14	28
KCSNA	76	146	KE5OX	56	101	KE5US	29	58	W5RL	12	24
NZ5C	69	132	WASHZM	50	93	KASOVQ	26	49	N5FTF	10	19
						KASMXJ	24	48	W5SA	06	12
AREA 6											
N6HC	244	441	W6LII	92	175	KA7CII	58	116	WA6OHT	24	47
N6RZ	217	381	W6ETD	84	160	WA6VLS	55	106	K6ABV	23	46
WB6FQG	193	355	K66QB	76	145	N6FZS	54	103	N6FNT	22	44
KD6GW	168	297	K66AN	71	132	K66A	53	102	K66UQ	22	44
WB6CMX	151	293	K66YX	71	130	WA6HYD	52	93	KE6CZ	20	40
WD6EKO	144	267	WA6TDL	66	129	KA6AQS	46	89	KA6LNC	22	39
WA7NZL	120	222	WB6OMH	66	127	W6ANK	45	89	W6EKM	16	32
K6DZO	115	221	K6FJ	65	123	WD6I	42	82	K66PY	12	24
WB6IJY	110	213	N6LW	64	123	W6TKF	38	73	WB6DYF	06	12
WV6G	106	197	N6ECT	63	121	N6JM	31	62			
AREA 7											
KW7E	181	326	N7BFO	79	145	WA7DVP	48	94	NY7T	26	70
WB7NUU	159	300	WB7SDC	73	141	KB6DP	46	91	NN7T	27	68
WB6JET	110	206	N7FAK	60	117	WB7QIV	46	90	KB7LC	21	41
KA7LPP	100	186	W7ISF	56	109	WB7SYO	41	81	WB0CCF	19	37
KA7ACI	86	167	KA7EQO	49	94	W6GSW	38	72	KD7RX	18	34
						WA7JCJ	37	70	KB0PK	17	31
AREA 8											
WDBPFD	62	116	NBBBJ	39	77	KD8TH	24	48	KONJD	19	38
NBGF1	53	106	KABFON	32	62	NBBK	23	42	N8DVP	19	37
KCBIM	55	100	NBCBE	31	60	WBRNB	23	40	W8TTY	16	32
KGBS	46	89	WBJSB	30	56	WBXJU	21	40	KF8Y	12	24
WD8MOJ	47	86	KBDHK	27	53	W8UXS	20	39	WB8UPN	12	24
N8DVF	46	85	NBFU	27	52	W8KTR	20	39	K8BYW	11	20
N8BYN	40	79	W8FJY	27	52	N8BEL	19	36	W8BYEW	04	03
AREA 9											
KD9WF	138	257	KB9SH	91	173	N9AQB	58	114	N9EOM	38	76
KA9JNL	134	255	KC9OZ	96	172	AI9U	56	111	N9BTF	39	72
KD9WE	133	247	WD9DID	88	168	WA9TSG	59	106	W9JNG	37	71
W9ZGP	129	243	WD9COP	83	163	N9DAJ	54	107	WA9QMO	35	70
AJ9C	130	238	W9PQH	84	161	N99K	55	106	KA9KDZ	35	69
NA9A	123	234	KD9UM	82	159	K9KMY	53	105	K9CD	36	66
N9CQO	124	232	WB9BZE	82	157	WD9ENF	54	104	WA9AAC	34	67
KA9BDK	122	231	WA9TRG	82	157	W9KCM	53	101	KB9PA	34	66
WD9FCQ	117	228	W9DNV	80	156	WB9CQD	52	100	W9STR	28	56
KE9I	116	225	W9MZZ	81	154	KB9FB	52	98	WA9TWE	28	56
KA9MOM	116	219	KD9KO	80	153	KD9RD	48	93	K9HND	28	55
N9AKE	115	219	KD9WD	76	147	AK9Y	46	91	KC9EV	28	57
K9EUI	110	206	WD9FCR	76	147	WA9YRL	47	93	WA9AYJ	27	57
W9CEQ	106	201	WB9MRL	75	145	N9DX	45	90	KD9CI	25	49
W9WYN	102	194	WB9TRJ	75	144	W9EXD	45	89	WA9SDI	23	45
N9FXQ	104	193	N9AAI	73	143	WB9BAY	42	83	WA9OKB	23	44
WB9NYC	101	188	W9ETU	74	142	KE9BD	42	82	W9ASP	19	38
WA9OHU	98	186	N99D	74	141	WA9ZYG	41	80	NK9Y	18	36
ND9Y	97	185	KA9FCF	72	139	W9MDE	41	80	W9IEC	10	19
KD9XP	97	185	KA9MTY	69	131	WA9SLT	41	80	KC9HP	09	18
WD9HOW	96	185	W9LDR	69	131	N9AXW	41	80	W9ATF	08	16
AD9K	93	179	N9ASC	68	128	KA9MXM	40	78	K9EVM	08	16
WA9SIJ	94	178	WB9TND	64	123	NJ9C	39	77	KA9NEA	06	11
			WB9JW	60	115				KC9WF	05	10

RESULTS BY CALL AREA - INDIVIDUAL STATIONS

CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS	CALL	QSO	PTS
AREA 0											
N0DES	141	264	N0HAX	70	135	W0BRJE	43	83	W0ERT	37	61
NJ0P	133	250	N0DGY	70	129	W00NGV	43	83	K00XW	31	61
KE0D	120	246	K00TQ	62	120	W00ND	47	82	W00BX	31	61
K00NF	111	207	K00VY	59	117	K000R	40	80	W00CKD	30	57
N0DCK	108	203	KA0MTX	54	106	W0ES	38	76	W00PBO	28	53
KR0K	108	200	W00YZW	55	100	KA0WMZ	34	68	K0PHE	28	54
W0AMR	106	200	W00IBA	52	100	K5ERJ	34	67	N0CYR	26	51
W0LNH	102	193	K0PVI	53	99	W00EDK	33	65	W0GXY	26	51
K00EI	85	162	W0SGUL	47	90	KT0H	34	65	KA0QWX	25	49
K0WZX	85	160	N0GZF	47	93	K00IR	33	62	KX0A	24	47
W00AEI	23	45	W0MRI	20	40	N0ADK	18	34	W00GJH	15	30
W00BXU	22	44	K0WEX	20	39	N7PM	17	34	NF0Q	16	29
KM0B	22	43	N0BZM	20	38	NS0P	17	34	W0QX	14	26
W00QKN	21	41	N0DBG	19	38	W00LVD	17	34	W0POF	14	28
N0FLK	21	41	W00APK	18	36	W0GCN	18	33	W0PUR	12	24
K00BK	21	41	W0ZH	18	36	W00ONU	17	33	W00ZWW	11	22
W0HIK	20	40	W00RHR	18	36	W0NFN	16	32	KA0CWU	09	17
						W0LGH	15	30	W00VHE	07	14

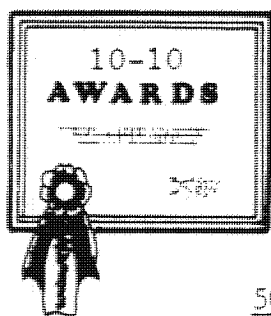
MEET THE WINNER

Chuck Kovacs, N2E0C #37549, lives in Central Western New Jersey. His station consists of a TS-520B, with a 1KW Amplifier into a 5 element monobander at 50 feet. Chuck is a member of the Trotters and Pacers Chapter. His involvement in the past five years with 10-10 phone contests consists of 4 FIRSTS in the Second Call Area, and placing THIRD, SECOND, and FIRST overall in 3 of the five. Congratulations, Chuck.

SILENT KEYS

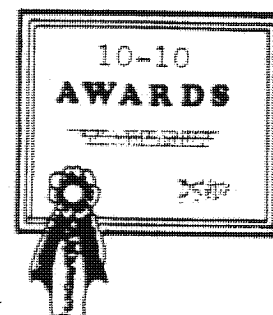
536 W9NUY Clarence K Gittings, Cammaron IL.
 650 W06WS Will Conner, Cardiff CA.
 1771 VE4TC Tom Cotter, Birdshill Manitoba
 1819 W0LHR Clarence Madland, Park River N.D.
 1928 W0KKH W. Herbert Combs, Jensen Beach FL.
 2431 W0HIY Harold U Green, Danville CA.
 3057 W0DSP Andrew G Woolfries, Cedar Falls IA.
 3288 W0KDK Steven J Foley, San Francisco CA.
 4304 W9HXV Charles N Cooke, LaPointe WI.
 4948 VE3UTI Mildred E Graham, Belleville ONT.
 5357 W2HPI Irving W Littlefield, Angola N.Y.
 6084 K4CQI Francis J Sachse, Orlando FL.
 6504 K60WP Carlton F Borchert, San Diego CA.
 6991 W40UJ Melvin R Cochrane, Ocala FL.
 7323 W0UQJ Martin W Reeves, Branson MO.
 7648 K6RQT Ronald Q Perrey, Rancho Pulos Verdes CA.
 7914 W1LST Harold R Frantz, Penbody MA.
 8409 W4TB Donald E Morrison, Lehigh Acres FL.
 8418 K5DEC Walter E Whitcomb, Oklahoma City OK.
 8751 W0USG Paul T Bregan, Yuba City CA.
 8834 W00UH Donald E Klos, Tustin CA.
 9409 W0TSH Avery F Ross, Glendale CA.
 9768 W1EHW John D Harrow, Norwell MA.
 10453 VE3FWH George F Beaumont, Burlington ONT.
 11178 W47UTX Harold D Herl, Phoenix AZ.
 11192 K7SD Stuart B Davison, Boise ID.
 11817 W05NH Florence P. Fineberg, El Paso TX.
 12666 W0YLD Edward A Tebow, Grafton IL.
 14721 K04JZ Ken L Norris, Loxahatchee FL.
 15950 W00HAE Ronald C Smith, San Diego CA.
 16340 W4RY Charles M Lewis, Treasure Island FL.
 17779 VE2BQN Jack Singleton, Ste Therese QUE.
 20558 W1THH John J Fryer, Lowell MA.

20610 W1ZLK John H Schmitt, Watertown MA.
 20827 W0KML Raymond V Lett, Huntington W.V.
 20834 W0HQQ Herman E Kingery, Huntington W.V.
 23227 N2FD James E French, Ballston Spa N.Y.
 23670 W0KFN Ravel F High, Hope AR.
 26820 K4HLP William G. Grayson, Mobile AL.
 27172 K6GHI Richard E Smith, Simi CA.
 27562 W0SRPL Robert C King, Kingston OK.
 27651 W2RKH Homer H Giesenhauer, Albany N.Y.
 29743 W04RVS Martin R Maurer, Hendersonville N.C.
 29966 K04XK William E Magie, Hill City S.D.
 30091 K7SMS Alden T Klovstad, Malta MT.
 30536 K03LY David Crum, Albrightsville PA.
 30678 W0H5W William H McKeever, Klamath Falls OR.
 31629 W00FT Wayne Martin, Cudahy CA.
 31644 W0KRI Harvey Somers, Dalbo CA.
 31696 W0LEKH John G Risley, San Luis Obispo CA.
 33103 W0QXI H. Joseph Shock, Anderson IN.
 33681 K04XE Clifton M Craig, Raleigh N.C.
 33772 W00UY John G Hallyburton Sr., Sunnyvale CA.
 35148 K0CZX Jack P Hudson, Dekalb IL.
 35154 W00WF Carl Lindstrom, Rhinelander WI.
 35404 N0UOD Edward L Henderson, Birmingham MI.
 36232 K44UXN Oscar Siegel, Neptune Beach FL.
 37047 W0GNY Robert F Edwards, Beach Grove IN.
 37783 W44CYX Kenneth M Raupach, Alexandria VA.
 38499 VE3BRF Bell Boyle, Barrie ONT.
 38566 K47PKJ Russell Winn, Deming N.M.
 39048 K06ET Jack E Woodward, Alhambra CA.
 39148 N05DO Edmund Schoppert, Brooklyn Park MN.
 39197 N00D Verne A Anway, Verdala MN.
 40375 K8WNI Rudy W Eppley, St. James City FL.
 40810 K55DH Jules F Robertson, Pineville LA.
 41470 N5APK John Miller, Mooringsport LA.



10-10 AWARDS

INTERNATIONAL-500-OF-THE-WORLD



500 Bar

1771 KZ3D
1772 WA7OVP
1773 WB7QIV
1774 TI2TEB
1775 W0MIB
1776 W2HJK
1777 WA0ZWW

TOP TEN

WA5JDU 15200
K5MRU 13600
W0RWC 12800
WA9LIC 11100
PJ2WG 9200
WB7NUU 8400
KS6A 8300
W1KZH 8200
WB1DBZ 6200
K4KAH 7900

500 Bar

1778 KE5YU
1779 WB0RHR
1780 N5JQF
1781 K6BRV
1782 AA4KN
1783 KA3IDL
1784 WLSBFO

1000 BAR

873 KA3GMP
874 VE2ERB
875 N4FFA
876 WA2MQN
877 WA7OVP
878 WB7QIV
879 WE9QLE

2500 BAR

183 W2LOT

5000 BAR

NCNE

10-10 WAS

818 KD7UZ
819 KC4IF

10-10 WAC

108 WBIEC
109 WB9JDM

7500 BAR
11 WE7NUU

10-10 COUNTRIES AWARD

35

117 KA5OVO

45

87 CX2AAL

55

55 W1MME

75

21 CE3AEZ

Members attaining the 500 Bar are automatically members of the International 500 of the World, Grace Dunlap, K5MRU, Manager.

V.P. 100 AWARDS

103 W5ADH
104 NX5T
105 W4PNC
106 N0DES

V.P. 200 AWARDS

31 HK1GAD
32 N8GFI
33 WB2MNO
34 KA4VAN

V.P. 300 AWARDS

13 WA2ZLK
14 N4CQM

V.P. 500 AWARD

8 W9WYN

LUCKY 13

304 KA0MTX
305 KA0SQL
306 CE3AEZ

Members of the International 500 of the World are encouraged to use the frequencies between 28.3 mHz and 28.55 mHz and above 28.9 mHz. These frequencies seem to be getting little attention. Let's use them !

MEET the NET OFFICIALS

Chuck Imsande, W6YLJ, 10-10#19636

Born in New York in 1928, Norm Lefcourt's family moved to Atlanta, GA in 1941. While at Tech High School in Atlanta, he got the Ham Radio Bug and helped get the school station, W4YC, ready to get back on the air at the end of World War II. Soon after WW II, the FCC once again began issuing Amateur Radio Operator and Station Licenses and Norm received W4IRT in 1946. In 1949 Norm moved to Los Angeles and changed his call to W6IRT.

Norm recalls that in those days, shortly after WW II, there was an abundance of Military



Norm Lefcourt, 10-10 Vice President,
W6IRT, 10-10 #14981

surplus equipment on the market and 10 meters was a natural for much of this surplus equipment. It did not take Norm long to find a Tank transceiver, PE-103 Generator and mount a Tank whip antenna on the car, a rusty old 1934 Oldsmobile, and that was the beginning of W6IRT/mobile. Norm still is an avid mobile operator today, with a converted CB transceiver operating QRP on 10 meters. It was only natural that with all of Norm's 10 meter activity that he joined 10-10 in 1976 and received 10-10 #14981.

Norm and XYL Dottie have been married 35 years and have 4 children. Son Robert, N6ASE, is the only other ham in the family and lives in Seattle. Norm can usually be found participating in the 10-10 contests and is the Chapter Head or the 10-10 QRP Chapter. He calls the net together every Tuesday night at 8:00pm local (Wednesday 0400Z) on 28.310MHz. Norm also operates a QRP 10 meter code practice station on 28.888MHz. This QRP station is a converted CB rig, running about 5 watts and has been in continuous operation, 24 hours a day - 7 days a week, in North Hollywood, CA, since 1980. Norm has received QSL cards for his code practice station from all parts of the world.

Weekends finds Norm spending time with his other hobby, salt water fishing from his 17 foot boat in the Santa Monica Bay. Norm spends from 2 to 3 hours a week on the radio at the home QTH in North Hollywood where a Kenwood TS-820 and a 4 element triband antenna make up the home station equipment.

Norm is serving his second term as 10-10's Vice President. Having been with RCA Service Company for 21 years, Norm is planning to retire within the next couple of years at which time he will be able to devote more time to 10-10 activities.

1987 ARK-LA-TEX HAM-COM
10-10 INTERNATIONAL NET, INC.

25TH ANNIVERSARY CONVENTION

SHREVEPORT, LA ● AUG. 7-9, 1987

10-10 BANQUET ● 10-10 FORUMS ● LADIES' PROGRAMS

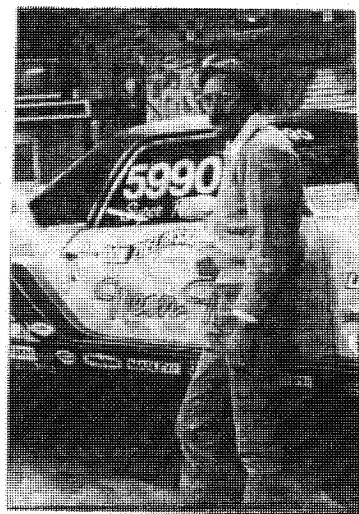
\$3.00 Advance Registration or Information to Jim Burney, N5HSV,
P.O. Box 4252, Shreveport, LA 71104-4252

AND HE DRIVES TOO

Many hams have other interests besides radio. Some are collectors, sports enthusiasts, model builders, etc.. Lets look at one of our members, Don Zielinski. Besides ham radio, Don loves auto racing. His career began at the age of 15, when he was driving midget race cars. From that time until now, he has driven Super Stocks, Late Model Stocks, Sprint Cars, and Fuel Burning Hydroplanes. Don drives an El Camino which he named "Neon Freon". He was elected President of The Flainsmen of Colorado Facing Club, for 1986-87.

Don is also an avid pilot, owning his own 1952 Twin Beach Taildragger. He also collects beer cans as a hobby.

(picture and information courtesy of Bonnie Pugliese, Editor of Driveshaft Magazine)



10-10 INTERNATIONAL NET, INC.

NOTICE OF INTENTION TO RECOMMEND MODIFICATION OF BY-LAWS

Recent action of the Federal Communications Commission, effective March 21, 1987, enhancing radiotelephone privileges of Novice and Technician Class amateur radio operators has greatly increased their opportunity to become members of 10-10 International Net, inc., by making available to them the 28.3 - 28.5 MHz portion of the 10 meter band. Certain portions of 10-10's By-Laws are in conflict with this change. The Board of Directors recommends that these portions be changed. This recommendation will be presented to a membership meeting to be held at Sir George's, 4780 East Pacific Coast Highway, Long Beach, California, on June 7, 1987.

The recommended changes are as follows, shown in ~~striked~~ type:

ARTICLE III: QUALIFICATIONS FOR MEMBERSHIP

A licensed amateur radio operator wishing to become a member of 10-10 must qualify as follows:

- A. Submit a list of contacts with members of 10-10 on the 10 meter band. This list must number 10 contacts for all station operators/ ~~other than Novices~~, located in the contiguous 48 states of the United States, and for all others/ ~~including United States Novices~~, 5 such contacts.

ARTICLE IV: MEMBERSHIP DUES AND FEES

- A. The Registration Fee is \$1.00. It applies to all new applicants ~~except Novices~~.

Anticipated effect of change: This change in 10-10's By-Laws, to become effective if and when adopted, will place Novice and Technician operators on the same basis as all others with respect to attaining membership in 10-10.

LOST MAIL

A note was received from the First Call Area Manager Al Kaiser, N1API, in regards to lost mail. It appears that sometime around December of 1986, the post office lost quite a bit of mail in Al's area. If anyone had sent Al renewals, applications, etc., he would appreciate it very much if you would resubmit.

DX with BOINGER

If you're an apartment-dwelling DXer, you've no doubt had your share of the age-old ANTENNA HASSLE. Sad to say, few landlords sympathize with a ham's need for a good skyhook. For those of you whose nerves are just about shot from the continual harping about your antenna, there is one that will bring fast relief. It's called The Boinger. Here is a good antenna for those who have antenna space problems. Simply put, it's an inconspicuous canned antenna, that'll sit on your windowsill, drawing about as much attention as yesterday's newspaper.

The Boinger is essentially an end-fed helically-wound longwire. The only big difference between it and the longwire is that it is vertically oriented. It is made from a SLINKY TOY. Since the coil is vertical, gravity will help pull it down for you. Rigging it to a fishing reel will take care of pulling it back up again. You don't have to be 20 stories up to take advantage of this antenna since the helical winding allows you to pack tremendous wire length into a short distance.

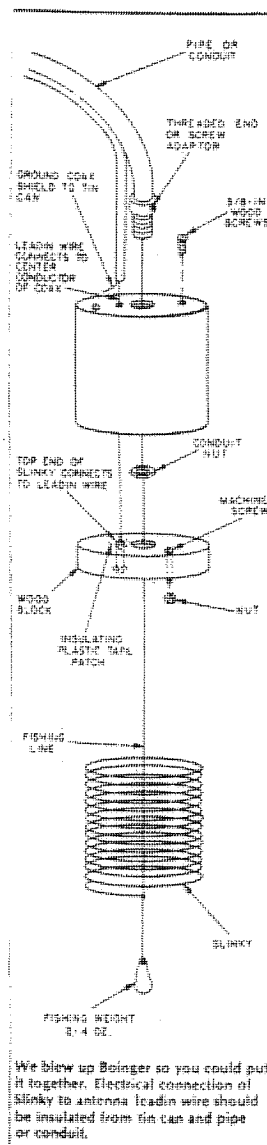
To build, you'll need the following items, all of which shouldn't run more than \$5 to \$10. Slinky. Actually it's a highly stretchable coil which folds down to only a few inches, but can stretch clear across the street.

Tin Can. To house the spring, about four inches in diameter by five inches deep. A salted peanut tin is perfect.

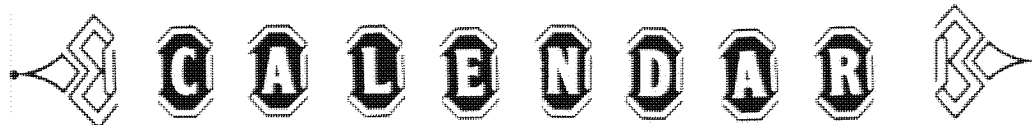
Some odds and ends from your fishing gear. A handful of lead weights and a fishing reel, with heavy duty line.

One half inch Conduit Pipe. Cut to the length you need. Aluminum electrical conduit is easy to bend, and you'll need a screw and adaptor to secure it to the can. If you use iron pipe, it can be threaded at the can end, but it's hard to bend. However, elbow pieces are available. Lock at 1/2 inch copper tubing. It's easy to work with and can be soldered to the tin can. You will also need clamps, screws and a piece of 1/2 inch thick wood to fit in the can.

Construction: Solder an insulated leadin wire to the top end of the Slinky Coil or secure it with a machine screw. Don't touch can with wire. Bend the pipe into a flattened out Z, with the center strut at right angles to the ends. Lay the pipe down flat and bend one end so it points straight up. Putting the wood-coil assembly into the can, drill a hole through both, big enough for the pipe to fit through. Slip the end of the pipe (the end you made the last bend in) through the hole in the top of the can and wood, clamping both below and above with epoxy glue or threaded pipe and nut solidly joining. Slip the wire through a hole in the can top, and tape it along the length of the pipe. Now thread the fishing line into the hatch with two wires across the bottom loop of the slinky and tie the fishing line, along with a few weights. Mount the fishing reel on your window sill, and bolt the pipe to the outside wall. Attach the leadin wire to your rig and let out some line on the reel. BOING!!! Gravity and the weights will stretch out your multi-antenna as far as you need. When finished, the coil will reel up and fit neatly in the can. You may have to adjust the coil to fit your needs.



Taken From Electronics Hobbyist
Fall and Winter 1976



APRIL
24-26

Dayton (Ohio) Hamvention.

MAY
2- 3

10-10 Spring CW QSO Party. Scoring by Sky Blue Waters Chapter. See Winter, 1987 issue for details.

JUNE
7

10-10 Membership Meeting, Sir George's, 4780 E. Pacific Coast Highway, Long Beach, CA. Voting on By-Laws Amendment.

AUGUST
1- 2

10-10 Summer Phone QSO Party. Scoring by LIARS Chapter. See p. 14 this issue for details.

7 - 9

First 10-10 International Convention, Shreveport, LA. See pp 8-9 this issue for details.

13-16

10-10 Paperchasers' Bash, Reno, NV.

10 METER BEACONS

JANUARY 15, 1987

FREQ	CALL	OPERATION	LOCATION	NOTES
*28.050	PY2COB		Sao, Paulo, Brazil	15W, Vert.
28.175	VE3TEN	C	Ottawa, Canada	
28.195	IY4M		Bologna, Italy	20W, 5/8 GP Ant.
28.200	GB3SX	C	Crowborough, England	8W, Dipole
28.200	KF4MS	C	St. Petersburg, Fla.	75W, GP
28.201	LU8ED		Argentina	5W
28.2025	ZS5VMF		Natal, RSA	5W, GP at 1850 ft. ASL
28.203	DLØIGI	C	W. Germany	100W, Vert. Dipole
*28.2075	W8FKL	C	Venice, Fl.	10W, Vert.
28.208	WA1IOB	C	Malboro, Mass.	75W, Vert.
28.210	3B8NS	C	Mauritius	GP Ant.
28.210	K4KMZ	I	Elizabethtown, Ky.	20W, Vert.
28.2125	ZD9GI	C	Gough, Is.	GP
28.215	GB3RAL	C	Slough, Berkshire	20W, GP Ant.
*28.215	LU4K1		Cape Horn	
28.2175	WB9MVY	C	Oklahoma City, Ok.	4W, GP
28.220	5B4CY	C	Cyprus	26W, GP Ant.
28.222	W9UXO	C	Chicago, Ill.	10W, GP Ant.
28.2225	HG2BHA	C	Tapolca, Hungary	10W, GP Ant.
28.2275	EA6AU	C	Mallorca, Balearic Is.	10W, 5/8 GP Ant.
28.230	ZL2MHF	C	Mt. Climie, NZ	50W, Vert. Dipole
28.232	W7JPI/AZ	C	Sonoita, Az	5W, 3EL YAGI-NE
28.2325	KD4EC	C	Jupiter, Fl.	7W, GP Ant.
28.235	VP9BA	C	Hamilton, Bermuda	10W, GP Ant.
28.2375	LA5TEN	C	Oslo, Norway	10W, 5/8 GP Ant.
28.240	OA4CK	C	Lima, Peru	10W
*28.2405	5Z4ERR		Kenya	
28.2425	ZS1CTB	C	Capetown, RSA	20W, 1/4 Vert.
28.245	A92C		Bahrain	NW/SE Dipole
28.2475	EA2HB	I	Spain	6W, GP
28.248	K1BZ	C	Belfast, ME	5W, Vert. Dipole
28.250	Z21ANB	C	Bulawayo, Zimbabwe	15W, GP Ant.
28.253	WB4JHS	I	Greensboro, NC	7W, Vert.
28.255	LU1UG		Gral Pico, Argentina	5W, GP Ant.
28.2575	DKØTE	C	Arbeitsgen, W. Germany	40W, GP Ant.
28.260	VK5WI	C	Adelaide, SA, Australia	10W, GP Ant.
28.262	VK2RSY	C	Sydney, NSW, Australia	25W, GP Ant.
28.264	VK6RWA	C	Perth, WA, Australia	
28.266	VK6RTW	C	Albany, WA, Australia	
28.2685	W9KFO	I	Eaton, Ind.	3/4W, Vert.
28.270	ZS6PW	C	Pertoria, RSA	10W, 3EL YAGI on G-land
28.270	VK4RTL	C	Townsville, QLD, Australia	
28.2725	9LIFTN	I	Freetown, Sierra Leone	10W, Vert. Dipole
28.275	AL7CQ	C	Jackson, Miss.	0.5/1W, Broadside Loop
28.2775	DFØAAB	C	Kiel, W. Germany	10W, GP Ant.
28.280	YV5AYV		Caracas, Venezuela	10W, Rotary Beam
28.280	LU8EB		Argentina	5W
28.284	VP8ADE	C	Adelaide Is, NR Antarctica	8W, V Beam to G-land
28.286	KAIYE		NR Rochester, NY	2W, Vert. Dipole
28.287	W8OMV		NR Ashville, NC	5W, GP Ant.
28.287	H44SI	C	Solomon Is.	15W
28.288	W2NZH	I	Moorestown, NJ	3W, GP Ant.
28.290	VS6TEN	C	Hong Kong	10W, Vert.
28.2925	LU2FFV		San Jorge, Argentina	5W, GP Ant.
28.296	W3VD	C	Laurel, MD	1.5W, Vert. Dipole
28.299	PY2AMI	C	San Paulo, Brazil	10W, Vert. Dipole
28.300	ZS1LA	C	Stillbay, RSA	20W, 3EL YAGI NW
28.315	ZS6DN	C	Irene, South Africa	100W, Vert. Ant.
28.888	W6IRT		California, USA	5W, GP Ant. Code Practice
*28.890	WD9GOE		Freeburg, IL	
28.992	DLØNF		W. Germany	1W, Delta Loop

* Revision

10-10 NET GUIDE

SUNDAY

CHAPTER	OTH	FREQ.	SUMMER	WINTER	CHAPTER	OTH	FREQ.	SUMMER	WINTER
1-----					7-----				
LOUSTER TRAP	NE	28815		1700Z-SU	ARIZONA SUNSET	AZ	28475	2200Z-SU	2200Z-SU
MINUTEMAN	MA	28150		0030Z-SU	GOLDEN SPIKE	UT	28875		2100Z-SU
S. NE. NUTNEG	CT	28690		0100Z-SU	SILVER STATE	NV	28777		0000Z-MO
2-----					WYOMING TEN TEN	WY	28670		0400Z-MO
BROOKLYN BRIDGE	NY	28850	1600Z-SU	1900Z-SU	3-----				
FOHARK VALLEY	NY	20765	2ND SUN	0100Z-MO	CROSSROADS VILLAGE	MI	28820		1900Z-SU
STATEN ISLANDER	NY	28745	1600Z	1700Z-SU	NICHIANA	MI	28435	2330Z-SU	0030Z-MO
TWIN TIERS	NY	28805		1800Z-SU	HIO-LID	MI	28820		1900Z-SU
3-----					SARA'S BOX	MI	28840		2100Z-SU
ANTHRACITE BREAKER	PA	28660		0200Z-MO	STARK COUNTY	OR	28800		1645Z-SU
CRADLE OF LIBERTY	PA	28695		0100Z-MO	0-----				
FORT MC HENRY	MD	28370		1600Z-MO	LAND OF LINCOLN	IL	28650		0100Z-MO
4-----					MILWAUKEE CHAPTER	WI	28805		0200Z-MO
AMERICAN EAGLE	VA	28340	2100Z	2200Z-SU	STEEL CITY	IN	28420		1700Z-SU
BLUE AND GRAY	KY	28760		1930Z-SU	0-----				
CHOCTAW-HATCHEE BAY	FL	28692		1900Z-SU	AIR CAPITAL	KS	28775		2200Z-SU
MASON-DIXON	VA	28820		1400Z-SU	CLIFF DWELLERS	CO	28330	1600Z-SU	1700Z-SU
OLD NORTH STATE	NC	28740		2100Z-SU	CLIFF DWELLERS	CO	28330	0000Z-MO	0100Z-MO
OLD NORTH STATE	NC	28140		2200Z-SU	LEWIS AND CLARK	MO	28840		1600Z-SU
PALMETTO	SC	28770		0200Z-MO	HIO-PAK SUNFLOWER	MI/MD	28865	0000Z	0100Z-MO
POSSUM TROTTERS	NC	28545	1730Z-SU	1730Z-SU	MOTHER OF THE WEST	MO	28610		1900Z-SU
POSSUM TROTTERS	NC	28150	2200Z-SU	2200Z-SU	PIKES PEAK	CO	28695		1600Z-SU
TIDEWATER NET	VA	28660		2100Z-SU	SOUTH DAKOTA	SD	28700		1800Z-SU
5-----					SKY BLUE WATERS	MN	28715		1700Z-SU
BAUXITE	ARK	28765		0230Z-MO	DX----				
GOLDEN TRIANGLE	TX	28700		2000Z-SU	CHANNEL	G	28745	0500Z-SU	1000Z-SU
LIGHTHOUSE	MS	28700		0000Z-MO	CHAPTER OF SURINAGE	GU	28705		1000Z-SU
LOWE STAR	TX	28460	0100Z-MO	0200Z-MO	JOHNNY CANUCK	VE	28930		1500Z-SU
PALO DURO	TX	28705		1600Z-MO	DODGWOOD	VE	28675		0400Z-SU
S TEXAS LT HORSE SHOE	TX	28485	2200Z-SU	2300Z-SU	HUNGARIAN LANDSCAPERS	HA	28555/725		1400Z-SU
TRUTH OR CONSEQUENCES	NM	28512		1800Z-SU	LAKE GENEVA	HB	28850		1500Z-SU
6-----					HAD SWINGERS	SH	28610		1500Z-SU
BIG FOOT	CA	28710	1st SUN	1600Z-SU	PENDEL WITCH/MANCUNION	G	28670		1400Z-SU
BIG FOOT	CA	28710	2,3,4 SU	0400Z-MO	MONT-VENTOUX	F	28410		0800Z-SU
GOLDEN BEAR	CA	28805		2100Z-SU	OTAGO 45 SOUTH	ZL	28905		2300Z-SU
ORP NET	CA	28760		2200Z-SU	PHONE ALPS	F	28770		0730Z-SU
WILD BURRO	CA	28698		2300Z-SU	SCARBORO BLUFF	VE	28730		1800Z-SU
					TULIP	PA	28795		0900Z-SU
					YUKON COLD PAINTERS	VY	28705		1900Z-SU

MONDAY

1----- MOKEASTER	NH	26703		2359Z-MO	GOLDEN BEAR	CA	28610		0330Z-TU
2----- TROTTERS AND PAGERS	NJ	28755	2300Z-MO	0000Z-TU	GREAT VALLEY	CA	28630		0300Z-TU
3----- DEAVER VALLEY	PA	28850		0000Z-TU	CHIEF SEATTLE	WA	28625		0400Z-TU
4----- KENTUCKY CARDINAL SEVEN RIVERS SIR WALTER RALEIGH WACKY WINGWINGERS WHITEHOUSE	KY FL NC FL DC	28760 28900 28687 28690 28725		0100Z-TU 0000Z-TU 0100Z-TU 0030Z-TU 0100Z-TU	7----- PHOENIX VALLEY SILVER STATE THUNDERBIRD	AZ NV AZ	28675 28777 28575	0200Z-TU	0200Z-TU 0300Z-TU 0200Z-TU
5----- BAUXITE CANYON GRAS CANYON	AK LA OK	28765 28715 28320		0130Z-TU 0030Z-TU 0200Z-TU	8----- CHIEF KILLBUCK CITY OF LIGHTS OLD FORT	OH IL IN	28660 28720 28695		0100Z-TU 0130Z-TU 0030Z-TU
6----- BAY AREA	CA	28775		0400Z-TU	0----- MOTHER OF THE WEST PIKES PEAK	MO CO	28150 28845		0300Z-TU 0200Z-TU
					0X----- BERLIN BEARS HUNGARIAN LANDSCAPERS	MO HA	28810 28555/725		1700Z-MO 1630Z-MO

TUESDAY

1----- CASTLE CRAIG MINUTEMAN S. NE. NUTNEG	CT MA CT	28675 28660 28690		0000Z-WE 0030Z-WE 0030Z-WE	5----- HOUSTON SHOT REPUBLIC OF TEXAS	TX TX	28666 28500		0200Z-WE 0030Z-WE
2----- LINDBERG/LIARS	NY	28780	0000Z-WE	0100Z-WE	6----- FRESH CHAPTER ORANGE COUNTY ORP NET	CA CA CA	28845 28755 28310	0300Z	0400Z-WE 0300Z-WE 0400Z-WE
3----- ANTHRACITE BREAKER FORT MC HENRY MARYLAND-DC	PA MD MD	28660 28370 28770		0230Z-WE 0000Z-WE 0100Z-WE	7----- CASCADE GRAND CANYON STATE	OR AZ	28650 28400	0200Z-TU	0330Z-WE 0200Z-TU
4----- ALL AMERICAN CITY CHATAHOOGA CHOOCHOO CITY OF FIVE FLAGS DEVIL'S TRIANGLE OLD DOMINION OLD NORTH STATE SUN COAST	AL TN FL FL VA NC FL	28625 28545 28670 28525 28313 28740 28795	2330Z-TU	0030Z-WE 0030Z-WE 0100Z-WE 0100Z-WE 0050Z-WE 0100Z-WE	8----- CATT GREAT LAKES HIGH WATER WONDERLAND SHAMREE	OH MI MI OH	28300 28350 28850 28350		0100Z-WE 2359Z-TU 0000Z-WE 2400Z-TU
5----- BLUE BONNET GOLDEN TRIANGLE	TX TX	28625 28625		0100Z-WE 0200Z-WE	9----- EGYPTIAN RADIO CLUB STEEL CITY	IL IN	28720 28420		0100Z-WE 0130Z-WE
					0X----- EDMONTON AREA LONDON CHAPTER	VE G	28520 28805		0400Z-WE 1930Z-TU

CHANGES, DELETIONS, ETC., TO N2SE, 804 COLLEYVILLE TCR.

COLLEYVILLE, TX., 76034.

WEDNESDAY

CHAPTER	1-----	GTH	FREQ.	SUNWEL	WINTER	7-----			
MURPHY'S LAW	1-----	RI	26820		0000Z-TH	LILAC CITY	WA	28195	0300Z-TH
MIANTIC WAY	2-----	CT	26150	2330-WE	0030Z-TH	LILAC CITY	WA	26750	0400Z-TH
MOHAWK VALLEY	3-----	NY	28675		0100Z-TH	NICHIGAN ROBINS	MI	28600	0030Z-TH
STATEN ISLANDER	4-----	NY	20745	0000Z-TH	0100Z-TH	TRI CITY	MI	28580	0100Z-TH
COMMODORE PERRY	5-----	PA	28835		0130Z-TH	BLACKHAWK VALLEY	IL	28925	0300Z-TH
FORT MC HENRY	6-----	ID	28130		0100Z-TH	MILWAUKEE CHAPTER	WI	28505	0200Z-TH
						SEN CIRKSEN	IL	28550	0130Z-TH
CRADLE OF CONFEDERACY	7-----	AL	28772	0200-TH	0200Z-TH	COLORADO BIG HORN	CO	28440	0230Z-TH
CYPRESS	8-----	FL	20665		0100Z-TH	COLORADO CENTENNIAL	CO	28440	0230Z-TH
DRUID CITY	9-----	VA	28425		0100Z-TH	GATEWAY	MO	28650	0200Z-TH
MASON DIXON	0-----	VA	28820		0100Z-TH	MO-KAN TENNERS	MO	28495	0200Z-TH
WIREGRASS P'NUT PKRS	1-----	AL	28535	0030Z-WE	0130Z-WE	NORTH STAR	TX	28657	0100Z-TH
						T.R.D.T.	TX	20700	0200Z-TH
COLTOWN	2-----	TX	28710	2000CT	0200Z-TH	WAR EAGLE	IA	28615	0100Z-TH
HOT OWLS	3-----	CA	28810	0300-TH	0400Z-TH	KING SALMON	VE	28650	0400Z-TH
KINGS VALLEY	4-----	CA	28702		0400Z-TH	RHONE ALPS	F	28150	1530Z-WE
						RHONE ALPS	F	28770	0630Z-WE

THURSDAY

CHAPTER	1-----								
HUDSON VALLEY HAMSTERS	2-----	NY	28595	2500Z-TH	0000Z-FR	RIO GRANDE	TX	28690	0200Z-FR
LIARS/LIQUOR	3-----	NY	20730	0000Z-FR	0100Z-FR	TEN DAR X	TX	28640	0300Z-FR
DELAWARE VALLEY	4-----	PA	28660		2330Z-TH	10-10 BUSINESS NET	CA	28800	0330Z-FR
MUSIC CITY	5-----	TN	28495	0200Z-FR	0100Z-FR	NORTHERN NEVADA	NV	28711	0400Z-FR
O.J.	6-----	FL	20525		0100Z-FR				
OLD NORTH STATE	7-----	NC	28740		0030Z-FR	NICHIANA	MI	28550	1700Z
DALLAS COWBOYS	8-----	TX	28580	0100Z-FR	0200Z-FR	N.I.T.T.	IL	28470	0100Z-FR
HOUSTON SHOT	9-----	TX	28108		0200Z-FR				
RED RIVER VALLEY	0-----	LA	28450	0000Z-FR	0100Z-FR	LAND OF LINCOLN	NE	28650	0100Z-FR
OAKIE RELAYS	1-----	OK	28633/153		0200Z-FR	MANCINIUM/PENDLE WITCH G		28870	1400Z-TH

FRIDAY

CHAPTER	1-----								
OCEAN STATE	2-----	RI	28765	2300Z-FR	0000Z-SA	TRUTH OR CONSEQUENCES	NN	28512/590	2330Z-FR
BROOKLYN BRIDGE	3-----	NY	28850		0000Z-SA	WILD BURRO	CA	28606	0400Z-CA
FORT MC HENRY	4-----	MD	28370		0100Z-SA	CITY OF MELBOURNE	VK	28580/512	2330Z-SA
SKIPJACK	5-----	ID	28450	0130Z-SA	0030Z-SA	DOMI UNDER	ZL	28530	2230Z-FR
WIREGRASS P'NUT PKRS	6-----	AL	28535	0030Z-SA	0130Z-SA	NORTH SEAS	ON	20835	1600Z-FR

SATURDAY

CHAPTER	1-----								
MURPHY'S LAW	2-----	RI	28950		1700Z-SA	MILWAUKEE CHAPTER	WI	28805	1500Z-SA
MIANTIC WAY	3-----	CT	20650	2000Z-SA	2000Z-SA	PARROT	IN	28813	1500Z-SA
ELECTRIC CITY	4-----	NY	28790	1400Z-SA	1500Z-SA	MO-KAN TENNERS	MO	28642	1600Z-SA
TROTTERS AND PACERS	5-----	NJ	20755	1330Z-SA	1430Z-SA	WAR EAGLE	IA	28900	2100Z-SA
CHATAHOOGA CHO CHO	6-----	TN	28375	1700Z-SA	1800Z-SA	ALASKA IDITIROD	KL	28349	2000Z-SA
DRUID CITY	7-----		28655		1400Z-SA	BIRDWING	VK	28525	2300Z-SA
LILLY THE KID	8-----	NH	20565		2100Z-CA	BRAZIL CHAPTER	PY	28750	1800Z-CA
BOONTOWN	9-----	TX	28400	1630Z-SA	1730Z-SA	BRISBANE SUN VALLEY	VK	28506	2300Z-SA
OUTLAW	0-----	TX	28444		1900Z-SA	CANTENBURY	ZL	28715	2200Z-SA
REPUBLIC OF TEXAS	1-----	TX	28560		1800Z-SA	DOGWOOD	VE	28615	0300Z-SA
KEYSTONE	2-----	CA	28765		1800Z-SA	ESPO	CE	28477	2100Z-SA
RIVER CITY ARC	3-----	CA	28870		2000Z-SA	FESTIVAL CITY	VK	28540	2330Z-SA
SHOG	4-----	CA	28785		1900Z-SA	FLAGSTAFF	VK	28545	0100Z-SA
CHIEF SEATTLE	5-----	WA	28625		0400Z-SU	GOLD COAST	VK	28595	2300Z-SA
CITY OF ROSES	6-----	OR	28825		1700Z-SA	HERNANDARIAS	LU	28720	1700Z-SA
COLUMBIA RIVER	7-----	WA	28775		1000Z-SA	LAKE GENEVA	MO9	28850	1500Z-SA
LILAC CITY	8-----	WA	28390		1000Z-SA	LONDON	G	28955	1400Z-SA
NORTHERN NEVADA	9-----	NV	20711		2030Z-SA	MANCINIUM	G	28870	1300Z-SA
CHRISTOPHER COLUMBUS	0-----	OH	28640		1900Z-SA	MONT-VENTOXX	F	20150/725	1500Z-SA
SHAWNEE	1-----	OH	28895	1700Z	1800Z-SA	POWDER VALLEY	VK	28570	0000Z-SU
						TARCHANG	JA	28580	1200Z-SA
						TANGO	LU	28650	1730Z-SA

DAILY

CHAPTER	1-----								
CRAZY EIGHTS	2-----	PA	28880		0100Z	CHIEF SEATTLE	WA	28625	0400Z
SUZZARD ROOCT	3-----	SC	28750		0130Z	SKY BLUE WATERS	MN	28715	0230Z
OLD NORTH STATE (DX)	4-----	VA	28840	MO-FR	1430Z				
OLD NORTH STATE (UX)	5-----	VA	28635	SA-SU	1430Z	LA GROUPE 10 METRES	F	26700	1700Z
GRINNING ARMADILLO	6-----	TX	28495		0100Z	OTAGO 45 SOUTH	ZL	28050	0100Z
						RHONE ALPS	F	28850	1800Z

10-10 INFORMATION AND AWARDS

MEMBERSHIP

Work 10 members on 10 meters. Log each 10-10 number, call sign, op's name and QTH. Send list to your Call Sign Area Manager (see P. 31), with \$1 Registration Fee plus \$4 for the first year's dues. You will receive a certificate and permanent 10-10 number. You must pay dues annually to remain in good standing and participate fully.

AWARDS

If you apply for any of the following 10-10 awards, you MUST include proof of paid-up membership -- a copy of your membership card or of the address label from the News. Your application will be rejected if you fail to comply.

BARS AND PLAQUES

Log the 10-10 numbers of members you work on 10 meters, all bona-fide number exchanges. List 100, no more, no less, thus:

1. List numbers in serial order, showing also call, band, and location.
2. Submit only one list at a time.
3. Log books or copies of log pages are not acceptable.
4. Give your name, address, call sign, and 10-10 number, and show which Bar you are requesting.
5. Enclose a 4" x 9 1/2" SASE (stamped, self-addressed envelope) postage 22¢ first oz., 17¢ ea add'l oz.
6. Bar applications 100-900 go to Bobbie Vaughan, WB7NRU, 8323 W. Roma, Phoenix, AZ 85037. Bars 1000 and up and plaque applications go to Charles Busby, KC5FX, 4621 Catchin Dr., Ft. Worth, TX 76119.

A 500 Certificate costs \$1. Plaques for 1000, 2500, etc., contacts cost \$3.75, plus 39¢ postage (U. S.) DX ops send \$4.95 total via Int'l Postal Money Order. Always include proof of paid-up membership.

INTERNATIONAL 500 OF THE WORLD

With your 500 Bar comes an Honorary V. P. Number, membership in the International 500 of the World, and added activities including the following two awards:

1. The V. P. Certificate. Certificates go to members who work 100, 200, and so on, other V. P.'s. But contacts must be made between 28.3 and 28.55 MHz, or above 28.9 MHz. The purpose is to promote band-edge occupancy. Each contact must be maintained for at least 5 minutes. Send your list in order of V. P. numbers to Grace Dunlap, K5MRU, Box 445, LaFeria, TX 78559. You must also include the 10-10 number of each V. P. on your list. Do not send an SASE. A special envelope is required, so send a first-class stamp. Overseas members send 3 IRC's. Include proof of your paid-up 10-10 membership.
2. The Lucky 13. There are 15 100 kHz points between 28.3 MHz and 29.7 MHz. Work 13 of them and you qualify for the Lucky 13 Award. Contacts must be other V. P.'s. Forms and rules are available from Bobbie Vaughan, 8323 W. Roma Ave., Phoenix, AZ 85037. Send a 4" x 9 1/2" SASE.

WORKED ALL CONTINENTS

This certificate is awarded to 10-10 members who can show proof of having worked a 10-10 member in each of the six continental areas - North and South America, Europe, Africa, Asia, and Oceania. Send a 4" x 9 1/2" envelope to Chuck Im-sande, W6YLLJ, 18140 Bromley St., Tarzana, CA 91356 for detailed rules and application form. Cost of the certificate is \$2 U. S. A., payable when you apply with QSL proof of contacts, and includes return postage.

WORKED ALL STATES

Work and get QSL confirmation from one 10-10 member in each of the 50 states. List states alphabetically with full data on each contact. Mail cards and list to Susan Brackeen, KAICAD, P.O. Box 7081, Johnston, RI 02919. DX members save by sending non-returnable copies of cards. All pertinent data must show, but more than one card per sheet is OK. Also include state list with all information, plus \$2.00 U. S. funds for certificate and return postage. Be sure to include your own name, call sign, address, 10-10 number, and proof of paid-up 10-10 membership. Do not send cash!

COUNTRIES AWARD

The Countries Award is given for confirmation (QSL's) of QSO's exchanging 10-10 numbers with members in 25 or more countries. Cost is \$5, U. S. funds. For complete rules and application form, send a 4" x 9 1/2" SASE to Alan Sherman, K1AS, NR4, Box 422, Danielson, CT 06239, U. S. A.

Make any checks payable to 10-10 International Net, Inc. Foreign applicants use International Postal Money Order. NEVER SEND CASH. Canadian, Australian, New Zealand members are reminded that dollar amounts quoted are U. S. dollars. Your bank has exchange rate information.

Remember, award applicants must include proof of paid-up membership - a copy of your membership card or the address label on your most recent copy of the News. If you fail to show such proof, your application will be returned without action. Either the membership card or the label shows the expiration date of your membership.

MANAGERS

Ten-Ten International Net, Inc.
Monitoring 28,800 KHz—Daily Except Sunday

U.S.A. CALL SIGN AREAS

1. Al Kaiser	N1API	194 Glen Hills Rd.	Meriden,CT	06450
2. Larry Berger	WA2SUH	9 Nancy Blvd.	Merrick,NY	11566
3. Jim Duppins	WA3RBQ	2317 Windsor Ave.	Baltimore,MD	21216
4. Dave Buschow	WD4MPG	2319 Contest Lane	Haymarket,VA	22069
5. Grace Dunlap	K5MRU	Box 445	La Feria,TX	78559
6. Dick Rauscher	W6ANK	4371 Cambria St.	Fremont,CA	94538
7. Willie Madison	WB7VZI	10512 W. Butler Dr.	Peoria,AZ	85345
8. John Hugentober	N8FU	4441 Andreas Ave.	Cincinnati,OH	45211
9. Berniece Tielemann	N9CDO	Rt. #1 Box 207	Lenzburg,IL	62255
Ø. Alice Hathaway	NØDES	1221 S. Santa Fe Av.	Pueblo,CO	81006

*Mid-May to mid- October, K5MRU's address is Box 13, Rand, CO 80473

The 4th Call Area has been further divided as follows: VA,NC,SC: Malcolm Spangler, K4KUT, Box 481, Shelby, NC 28150; KY, TN: Ollive C. Justice, N4IT, P.O.Box 683, Pikeville, KY 41501; AL, GA: Jim Beswick, W4YHF, Rt. 5, Box 77B, Ellijay, GA 30540; FL: WD4MPG (See address above).

DX AREAS

ALL DX AREAS EXCEPT VK AND ZL: Carol Hugentober, K8DHK, 4441 Andreas Ave., Cincinnati, OH 45211 USA.

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

ZL: T.J."Mac" McKenzie, ZL3RK, 73 Cygnet St., Christchurch 9, New Zealand.

Order Form

QTY	ITEM	PRICE	AMOUNT
___	Annual Dues,U.S.A. Members New ___Renewal___	\$4.00	___
___	Annual Dues,Foreign Members New ___Renewal___	\$5.00	___
___	Registration Fee*	\$1.00	___
___	10-10 Stamps (100)	\$1.00	___
___	Membership Roster (Postage paid)	\$4.50	___
___	Membership Roster by AIR(Not avail.U.S.,CANADA,MEXICO)	\$6.50	___
	Total		___

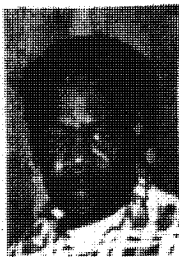
SEND ORDER TO YOUR CALL AREA MANAGER.

*Registration fee is required of all new members. Make any checks payable to 10-10 International Net, Inc. DO NOT SEND CASH. Canadian, Australian, New Zealand applicants are reminded that dollar amounts quoted are U. S. dollars. Your bank can tell you how much to send in your own currency to make up the required amount in U. S. funds. Other DX member orders,through K8DHK, payable by International Postal Money Order only.

Complete the following by typing/printing and mail to your CALL AREA MANAGER

10-10 No. _____ Call _____ Name _____
Address _____ City _____ State _____ Zip _____

Please enclose an SASE or stamps !



FROM THE DESK OF ...

THE EDITOR

JOE, WA9TSG



Working with the Ten-Ten News is an experience in itself. Most difficult is making decisions as to what to and not to print. A good example is with this issue. I received quite a few articles for this issue. More than there is enough room for. I there for had to omit some of them. This doesn't mean they won't eventually get printed. Some areas have to take priority.

Dayton is just around the corner. Good News! 10-10 Form has been moved to Saturday. This gives every one a chance to attend, and eliminate the rush of getting on the road towards home. I hope to see as many of you there as possible.

The most enjoyable part of being editor is letters and good wishes I have received. It makes one feel that it's worthwhile. It makes you feel you are finally doing a part to help benefit all.

Ten meters seems to be opening up a little. Hopefully we will have good propagation and bring us good contacts.

Until next issue, 73's

Cover Sheet

Spring CW qso party Chapter _____

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

SEND CONTEST RESULTS TO:

Dale Saukerson, NØAOZ

3024 30th Ave., South

Minneapolis, MN 55406

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. 1
GARDENA, CALIF.

TEN-TEN INTERNATIONAL NET, INC.

