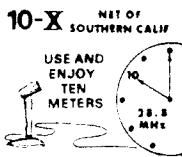


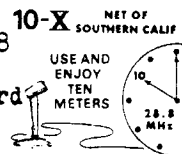
K6CQN—Joseph S. Plumb, #7999
14002 Carpenters Street
Bellflower, CA 90706



QUARTERLY BULLETIN NO. 2 JULY 1975



Officers for 1975: Morrie Goldman W6EHM 4189 President
Tim McDaniel WA6MOJ 1258 1st VP; Grace Dunlap K5MRU 218
2nd VP; Jim Paine W6OI 109 Sec-Treas; Fran Levy W6MXT
296 Rec Sec; Claude Martin W6LRY 437 Cor Sec & Int Coord
George Elliott W6ENC 1774 Net Coord; Joe Plumb K6CQN
7999 Bull Mgr; Hans Tromholt WB6YII 181 Editor



Ten-Ten International Net of Southern California, Inc.

Monitoring 28,800 Khz—Daily Except Sunday @1800Z

HIGHLIGHTS OF THE April 13, 1975 QUARTERLY MEETING

After much discussion it was resolved that W6ENC and W6EHM would prepare a letter sent to all U.S. Chapter Heads and Net Control Stations. Members checking into the local nets would be urged to express their views regarding Docket 20282. Of prime concern would be the allocation of the 29.0 to 29.7mhz segment of the 10m band to the new Experimenter Class; denying it to the General Class and Advance Class operators. To reclaim this privilege, the General Class must upgrade their technical skills and the Advance Class must apply for an additional Experimenter Class license. We suggested that an original and 14 copies to the FCC may deter many of our members from expressing their opinion. Should the FCC proceedings on Docket 20282 still be open, let your representatives in Congress know of your concern.

Resolved-effective immediately: To qualify for membership, applicants must include a \$1 initiation fee with dues (\$2) for at least one year. In turn, new members would receive the Roster in addition to the "Black Cat" Cert., dues card, by-laws, and the current Bulletin.

Next Quarterly Meeting: Sunday, July 20, 1975 at the Royal Coachman 313 N. Azusa Ave. W. Covina, Ca. Social Hour starts at 12:30PM. \$3.65 includes dinner, tax & tip. For reservations, send full amount to our VP, Tim McDaniel WA6MOJ 2346 Royal Oaks Dr Duarte, CA91010 (by July 17, 1975).

QUARTERLY TEN-TEN NET REPORT—from the President W6EHM 4189

In the previous Bulletin we anticipated that Ten-Ten number 10869 would be issued in March 1975. Poor band conditions prevailed but we came quite close. We issued 10796 to VE7CKK on March 31, 1975. During the first four

months of 1975, we gained 395 new members and processed 687 renewals. We are maintaining our active membership status and it is most encouraging that 25% of the renewals in April 1975 were from members requesting re-instatement. Should the 10m band open for an extended period we may yet achieve our goal of 66% active members by Jan. 1, 1976. Most important of all-we need the continued active support of our Chapter Heads and the enthusiasm of all our active members.

Our Treasurer Jim Paine is completing the annual financial statement and we intend to publish his report in the next Bulletin. He assures me that we have an adequate cash reserve to cover all our immediate operating expenses including the publication of the quarterly bulletin. In spite of the inflated economy, there appears to be no need to increase the annual dues from \$2 per year in 1975.

**THE TEN-TEN INTERNATIONAL NET AWARDS PROGRAM REPORT-from Frank Orcutt W4JO
386 Awards Manager**

Our Awards Program was initiated in 1965. Over 800 members have participated and we have issued more than 2750 Bar Awards to date. The 25, 50, and 75 Star Awards were abandoned several years ago. The records show 814 members earned the 100 Bar Award, 580 the 200 Bar; 371 the 300 Bar; 264 the 400 Bar; 201 the 500 Bar; 125 the 600 Bar; 106 the 700 Bar; 92 the 800 Bar; 82 the 900 Bar; and 74 with the 1000 Award. The balance of the Awards are at various levels from 1000 to just above the 3000 point. The Plaque is awarded at the 1000, 2500, and 5000 level.

BAR AWARD RULES: Remember to be fair to those who have achieved these awards. We must adhere strictly to the rules to make these awards meaningful. These rules are the same as the contest rules, despite rumors to the contrary. First, all contacts must be made on 10m; your word is sufficient, don't enter the frequency of each contact. Any legal mode may be used. You may operate from any number of locations, even aeronautical or maritime mobile. Each 10/10 number has one official "handle". You may change your call and QTH any number of times, but your 10/10 number belongs to you personally for life. The following log entries shall be submitted: DATE-TIME-CALL-HANDLE-CITY-STATE or COUNTRY-10/10 NUMBER.

LOGS: Don't send your log book. Submit only the above information. You may have a waiver on the time and enter "morn, noon, nite", but your chances of winning the Certificate of Excellence is automatically eliminated. Use both sides of the paper if it saves postage. Remember we must return your logs, too! Make your logs in increments of 100 always starting with #1 and ending with #100. We do not count off for errors, but we do for duplicates. You may be asked to make these up when you apply for your next Bar Award. To avoid duplicates and to save precious checking time, it is suggested that you arrange your qualifying list in numerical order by Ten-Ten number.

YOUR FIRST AWARD: The 100 Bar is always the hardest. Start your first "100 List" with your first 10 required for membership. Now you will need 90 more, not too bad. To eliminate duplicates which are forever showing up, start now to arrange your contacts in numerical order by Ten-Ten number.

CERTIFICATE OF EXCELLENCE: This certificate is issued for the best log submitted during each monthly period. Competition is so great for this coveted award that for some time now, we must judge these on a cumulative point system in addition to earned credit for that month. During the past 12 months, the following have been our winners: W5YZL, WB6GLI, W0QHY, K0MG, W6MI, W5JLY, W6RP, WA1NVP, W7PKM, WA5JDU, W8NQR, WA5IQG. These are our "Hall of Fame" A-1 Operators who have submitted nearly perfect logs, no duplicates and range from 500 to 1500 entries. We have three or four on the top of the waiting list, you may be next.

W.A.S. CERTIFICATE: This certificate is issued for working all 50 States of the Union from one location. Each State contacted must be made after Jan 1, '73. and confirmed by QSL, preferrably bearing a Postmark. Mobile operation permissible within the daily travel radius of the home QTH. Both operators must have a 10/10 number at the time of contact. Mobile/Portable/Fixed operation in another State from the home QTH is disallowed for the official accredited certificate bearing a serial number. To assure safe return of your QSL cards and your certificate enclose \$1 (stamps OK) for First Class mailing postage.

1000 PLAQUE: This is the top award for 1000 plus contacts with member stations. The inflated economy has caused us some embarrassment in the procurement of this coveted award. We have two very good leads and results are forthcoming. In the interim, Certificates of Achievement are being awarded to cover the waiting period. Awards won since the first of the year to: W6LHI, WB4GLD, W8IEC, W8JSM, WB0GGO, W3HVM, W6ANK, W8NDJ, W1RKU, W6ZMX, W0QHY, WA80XS; with 8 pending with their 900 Bar safely under their belt.

2500 PLAQUE: This is the top award for 2500 plus contacts with member stations. This is probably the greatest challenge of all time in ham circles. Only the most active, most exacting, and highest A-1 operators have half a chance. Meet K5MRU No.1; W0RWC No.2; W8NQR No.3; and WA5JDU No.4, who have made the grade. Our hat's off to WA5JDU who graciously relinquished No.3 to W8NQR because of an inadvertent error.

CONTACTS THRU OSCAR-7: Launched Nov. 16th 1974 with the call W3OHI and issued the 10/10 number 10000, is still going strong. Many have reported Two thru Ten contacts to acquire their Nr. 10k, and have advised us of the many Ten-Ten contacts credited to W3OHI. Keep these reports coming in so we can notify AMSAT. Calenders (monthly mailing) listing daily orbits of OSCAR-7 and OSCAR-6 are available from Ham Radio magazine, thru subscription to the weekly HR Report. Subscribers to the HR Report will find this activity calender the greatest aid to what's going on in Ham Contests, Conventions, etc.

INTERNATIONAL 500 Of-The-World: Mentioned in the last bulletin as the 500 Club and known over the air as the "VP Club" held their Fourth Annual Birthday Party" on May 3, 4, 5th. Over 50% of the active membership of the 500 Club reported in from all 10 districts of the U.S.A., thanks to the L.I.A.R.S. contest, ending May 4th and the publicity from the HR Report Calender. The "500 Club" members have earned their 500 Bar in the Ten-Ten International Net to become eligible for membership. 100 Ten-Ten members have joined the ranks making the total membership now 201.

The "VP Contest" with a one year duration ended May 5th 1975. K5AK won the First Place Certificate and a surprize memento-an antique VT-5 Radio Tube for over 100 VP contacts (118 to date). K5MRU won Second Place with 97, and K4BKX made Third Place with 93. This contest has proven so popular among the 500 Bar holders that it will continue indefinitely, with certificates issued for the first 100 contacts with members of the 500 Club.

SOLAR ACTIVITY EXPERTS: The Ten Ten International Net is blessed with several Solar Activity experts. Thru their guidance and expert advice we hope to plan more summer activities to carry us thru the low sun-spot cycle. With the Solar Flux at a 11 year low of "67" for seven straight days, we are proving the 10m band can be opened into 15 or more States plus DX. We will prove it again during the Ten-Ten QSO Party July 13 and 14th 1975.

Signed: Frank J. Orcutt W4J0 386 Awards Mgr 2752 SW 3rd St Miami, FL33135

CHAPTER HEAD AWARD OF EXCELLENCE: We are pleased to announce that our Net Coordinator has selected Carl A. Suriano W7HUL 6857 to receive this special award. As Chapter Head of the new Chief Seattle Chapter he reports his Chapter is now nearing the 100 mark and still growing strong. Many of the members are taking exams to upgrade their operating priveleges because of

proposed Docket 20282 concerning the upper portion of the 10m band. We are still on a daily schedule on 28.625mhz at 1830 and 0400 CDT; averaging about 10 check-ins. We encourage our check-ins to stay in to exchange info, etc. The North Seattle Radio Club has expressed an interest in our Novice Net on 28.120mhz and we expect a flood of requests for membership in the Ten-Ten Net to show up.....Signed: Carl Suriano W7HUL 6857 O/R Chief Seattle Chapter

TEN-TEN NET INFORMATION

Membership applications, renewals and Ten-Ten Stamps are handled by your Dist. Mgrs. Make checks or money orders payable to: Ten-Ten Net, Inc. We still need your 10-10 no. and expiration date for correct renewal. Our busy Dist. Mgrs. appreciate a S.A.S.E. enclosed for renewals and 10-10 Stamps.

Districts 1,2,3 Leroy Pasewalk 213 WB6MGM 18815 Yukon Av Torrance, CA90504
Districts 4,5 Grace Dunlap 218 K5MRU Box 13 Rand, CO80473
District 6 Morrie Goldman 4189 W6EHM 21518 Marjorie Av Torrance, CA90503
District 7 Ed Mernagh 1435 WA7DGO 26 So. 67th Av Phoenix, AZ85043
District 8 Dr Bob Hurd 5380 WB8FOX 3126 Athens Rd Cuyahoga Falls, OH44224
District 9 Ken Kern 2991 K9BEH 1808 12th St Bedford, IN47421
District 0 Rollie Hall 1545 W0LST 72 Walden Burnsville, MN55337
DX Call Areas: Claude Martin 437 W6LRY 3603 Syracuse Baldwin Park, CA91706

Important Notices: Notify applicants to submit a list of 10 members contacted on 10m. DX need only 5 contacts. Dues \$2 for 1 year plus a \$1 initiation fee must accompany the list.

Renewals & Reinstatement: Dues are still \$2 per year. Members in arrears of dues more than 6 months will be reinstated to active status by paying a \$1 reinstatement fee. Dues for at least 1 year must be included. Expiration date will be based on date of receipt by your call area District Manager. Bulletins will be mailed only to paid-up members within 6 months of the mailing date.

Roster Requests: Your call area Dist Mgrs now have a supply of the new Roster listing 10000 members plus. This attractive 32 page booklet is still available for \$1.00.

Ten-Ten Stamps: Our QSL Stamps make an attractive addition to your QSL cards and letters. Order from your Dist Mgr for \$1 per sheet of 100 Stamps.

Bulletin Copy: We solicit your articles or letters for future Bulletins. We are indebted to Ed Tilton W1HDQ #8481 for his excellent article on Cycle 20. Thanks Mary (YL of W6OBJ #5200), for typing it for publication.

A Letter from Mary: "While reading the mail on Ten the other nite I heard a Ham beaming over his solution to a TVI problem. His neighbor mentioned interference on Oh 2. The Ham suggested they go up on the roof and take a look at his TV antenna. Sure enough, the flat line was in pretty bad shape and only one wire was connected. The Ham resoldered all connections, taped the bad spots and installed a high pass filter at the receiver. The neighbor was overjoyed with the improved picture on the TV. The Ham then went home and pointed his beam directly at the neighbor's TV antenna and got on the air- NOT one flicker of interference on the screen! AND the neighbor is happy to have an electronic genius living next door..." Signed: Mary YL of W6OBJ WB6TECH due 6/27, then I'll try the code again"

CYCLE 20 NEARS THE BOTTOM
PROSPECTS FOR TEN DURING THE LOW-ACTIVITY YEARS
By Edward P. Tilton, WHDQ*

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

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

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

What does a solar flux of 145 mean, especially when reached via a sustained upsweep like this one? This is equitable with a level of solar activity higher than that of the smoothed-sunspot-number peaks of all but three of the solar cycles on record. If you were on 10 that weekend, you know what it did for the band. Suddenly it was 1947, 1958 or 1969 -- all over again -- at least for a couple of days! The band was open all over the world, high latitudes and low -- north-south, east-west, short paths or long paths. Countries to which the great circle routes lie through or near the auroral zone were worked all over the place, as in the best days of high-sunspot years.

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

Anticipating Ups and Downs How do we know when things are likely to be good? Information given around the clock on WWV and WWVH has the best available clues. There are two propagation bulletin periods hourly, at 14 and 18 minutes after the hour on WWV (WWVH has them a half-hour later). The 14-after information is changed every 6 hours, at 0100, 0700, 1300 and 1900 UT. It gives propagation quality, in 9 steps, useless to excellent; the state of the earth's magnetic field (quiet, unsettled, disturbed); and a coded forecast containing a letter and a number: W, U or N and numbers 1 to 9, in order of quality. (W -- warning, disturbed conditions; U -- unsettled; N -- Normal. 1 -- useless; 9 excellent). Also given are the geomagnetic K-index, scale 0 to 9, and the solar flux index, which is currently running around 70. Both the K-index and solar flux are given with their expected direction of change, if any -- which is very useful information for short-term forecasting of propagation conditions.

The 18-after bulletins cover some similar information, but are more statistical in form. They are very useful for people who have limited time for checking, since they normally are changed only at 0300 UT. You can compile a very good statistical record from the 18-after information, by using only about 30 seconds once every 24 hours. You get the solar flux and geomagnetic A-index for the previous day, the state of solar activity (which may or may not track with the solar flux index) and the condition of the magnetic field, also for yesterday; then a prediction for today.

Cycle 20 - continued

W1HDQ*

Various other bits of information on geomagnetic storms, solar flares, etc, are given, when available and relevant. Incidentally, the bulletins will be showing the effects of Cycle 21 before long. It has already started.

There is not enough space to go into detail on uses of the WWV information here, but they provide the means for any amateur to make his own assessment of propagation conditions on the bands he's interested in. In fact, it is from just such information that the professionals make up their forecasts. These matters are dealt with at some length in a two-part article scheduled to start in QST for June. Explanatory brochures on the WWV information are available from The Office of Telecommunications Services, National Bureau of Standards, Boulder, Colorado 80302.

I record the 14-after bulletin information at least twice each day; oftener if possible, and the 18-after bulletin once. Simply tabulating the information doesn't show you much without some study, so I make monthly charts of it, which show almost everything at a glance. Particularly useful in long-term forecasting is the 27-day recurrence of nearly all effects of solar activity -- the result of the sun's rotational period.

Visual observation of sunspots by the projection method mentioned in several recent issues of QST (see December and January "World Above 50 Mc" particularly) is very helpful, especially when done regularly, so that you build up a record. Some solar activity capable of affecting radio propagation cannot be seen by this method, but anything you do see, particularly at the low part of the solar cycle, is significant.

All this takes time, obviously. It may even tend to become "the tail that wags the dog" but we guarantee that it will make your record in catching 10-meter openings better than it ever will be by just casual checking of the band to see what's doing. But checking is important too, if you don't just listen. As the DX propagation chances get farther and farther apart, we need sustained activity more and more. Comparing the state of 10-meter activity this time around -- and I'm completing my 4th 11-year cycle on 10 meters -- I have to say that the 10-10 Net has been a major factor in keeping interest alive this time. I hope these few words will help to keep the good work going. We've said nothing here about the kinds of propagation that are affected little, if any, by the solar cycle. Perhaps there'll be space for a Part II, to that end. For now, keep trying!

IARU 10-Meter Beacons To provide a round-the-clock check on 10-meter propagation through the low years of the sunspot cycle, member societies of The International Amateur Radio Union set up beacons at strategic points around the world. Insofar as possible, these stations run 24 hours per day. Most have about 50 watts output, to omnidirectional vertical antennas. Most run continuous carrier, identified every 90 seconds with 850-Hz fsk. (Tune the signal in with 850-Hz note, and you'll hear the ID as normal cw). All have been heard at W1HDQ at least once within 6 months, except VP9BA and ZL2MHF. The latter, and PY1CK are recent additions to the beacon program. VP9BA is believed to have been off the air since early 1974.

DLØIGI -- 28.195	5B4CY -- 28.180	VP9BA -- 28.165	3B8MS -- 28.190
VE3TEN -- 28.175	PY1CK -- 28.160	GB3SK -- 28.185	ZL2MHF - 28.170

*VHF Editor, QST, 1939 - 1972. Temporarily reactivated as a fulltime member of the ARRL Technical Staff, July, 1974. 10-10 #8481

NOTE: We wish to express our appreciation to Ed Tilton W1HDQ who prepared this article exclusively for publication in our Bulletin. A more comprehensive treatment of the subject is available in QST June 1975 page 23, "The DXer's Crystal Ball" by Ed Tilton W1HDQ.

Results of the Ten-Ten International Net Contest, February 8-9, 1975

*K1KYC 159/388	*W2LOT 192/507	W4LATD 59/157	W6EWO 56/143
*W1FPH 121/300	*WB2MAN 192/491	W4NET 58/157	W6SC 54/130
K1LUA 123/278	WB2FVX 191/482	WB4HLG 60/154	W6NOC 57/126
W1RWU 92/229	WA21FS 160/422	W4LWL 49/144	K6SUC 51/121
K1HEF 102/219	W2KDI 150/353	K4KKJ 49/136	WB5HPF/6 51/116
W1PCJ 79/198	WB2TLD 120/293	WB4ZPX 50/135	W6YZD 42/106
W1WZE 92/194	WA2JLM 111/285	K4HPF 51/133	W6BNH 42/92
W1HRK 88/189	WA2VVX 101/256	W4UF 44/127	WB6BVZ 36/93
W1KZH 90/182	WB2NDR 100/224	K4WP 44/114	W6SZ 33/79
W1KK 73/182	WB2MNO 79/209	K4CKX 40/111	W6YKZ 25/65
K1DNW 77/176	WA2KTO 79/196	WB4WDH 38/109	K6GNG 28/62
W1LFZ 76/176	WA2MHL 76/179	WB4RUA 30/83	W6KKJ 26/59
K1ZOC 72/173	W2RHS 54/147	WB4PPY 27/78	W6PCL 25/52
K1GTZ 78/172	WA2SUH/2 66/137	WB4UFF 13/34	K6ABV 14/29
W1RZO 76/171	WA2MFM 55/135		W6RYH 4/7
W1HMC 75/160	W2WV 52/132	*W5YZL 469/1308	
W1NRG 71/155	W2FVS 54/131	*W4BJDU 375/998	*K7PXI 270/743
W1NC 71/152	WB2APO 54/123	K5MRU 303/851	*W7PKM 182/514
W1NKZ 74/149	WA2DDE 45/114	WB5HG 290/811	W7LED 149/411
K1MYF 63/149	WA2FBV 42/107	WB5FII 261/718	W7ATK 111/310
K1YWW 63/143	W2UMT 46/105	K5AK 259/711	W7GX 84/238
W1SAH 67/142	WA2GEZ 44/103	W5TNG 240/680	W7HRR 77/211
W1AY 68/131	WB2FUH 32/78	W5CPI 233/662	K7BLU 78/210
W1LGH 48/130	W2EAM 34/73	K5RNM 232/640	W7PMW 70/198
W1QZQ 62/128	K2HTO 22/54	W5TKE 204/587	W7PJK 69/196
W1RZA 62/128	K2AMN 20/51	W5EL 192/537	W7RCF 44/123
W1DSK 48/118	K2PAY 18/41	K5ETA 120/332	W7QNO 44/116
K1IDM 54/117	WA2TDB 15/39	WB5FHA 102/289	K7QXG 42/115
W1BJI 56/113	WA2ZDA 17/36	W8HQ/5 104/278	K7RSB 39/108
W1HEK 51/110	W2DYS 15/33	WB5GJD 86/239	W7DCO 38/102
W1SYX 44/105	WB2VLD 6/16	W5VVO 85/238	W7YWR 39/100
K1JDL 41/105		W5SUK 71/210	W7IRZ 12/31
W1EPH 42/104	*W3KDD 189/496	K5TRZ 68/186	
W1ORG 45/99	*W3INW 161/401	W5FZO 60/174	*K8NWD 205/510
W1NGL 42/99	W3TRI 146/375	K5DEC 13/38	*W8JAQ 184/481
W1NBR 50/98	W3HVM 124/329	W5IZW 9/23	W8IMY 162/415
W1HDQ 46/98	W3ETB 97/245	K5LZJ 6/18	WB8GUJ 152/386
W1RMU 48/96	K3WUB 88/209	W5FOE 9/17	W8JSM 150/381
K1CPJ 46/96	WA3RBO 82/203	W5BVZ 6/11	W8SRF 135/311
K1EPI 36/95	W3QZT 60/136		W8MYD 121/300
K1MUT 41/87	W3BXG 41/109	*K6SVL 509/1269	W8JKN 120/287
W1JJR 41/85	K3LBM 43/97	*W6PXP 377/948	W8NQR 111/286
K1VHF 41/79	W3HCE 27/68	WB60JN 205/501	WB8EDG 116/284
W1IDY 35/75	WA3TAV 32/63	W6NAU 188/479	WB8RIB 107/264
W1DFL 34/69	K3PGC 17/40	W6ZMX 169/437	W8DSO 109/253
K1EPX 29/60		W6EYY 160/410	W8WEX 104/243
W1RGF 27/52	*W4ROY 353/978	WB6POQ 139/352	WB8LNF 95/236
W1QCH 24/52	*W4OZF 288/784	VP5JD/W6 142/338	W8NIX 104/233
W1EMI 23/52	WB4OSN 256/692	WB6EXW 133/325	W8DAF 88/209
K1TVG 26/51	W4UGE 228/611	W6WOY 126/310	W8IEC 90/208
W1RPE 23/51	W4JHE 219/593	W6OHT 125/299	WB8KMC 81/208
K1YNY 21/44	K4TSY 187/534	WB6SWH 112/263	W8I ZM 76/204
W1CDK 20/43	WB4LFV 174/471	W6LUL 105/254	W8AYB 74/183
W1ACJ 20/40	K4FRG 143/386	W6LOD 101/253	WB8GKH 84/181
W1ZER 16/39	K4EKX 131/365	W6DX 97/238	W8ATK 72/181
W1HYN 14/34	W4ULL 122/355	W6EED 89/222	W8NDJ 76/179
W1HRV 14/29	K4HTU 122/349	W6ANK 90/221	K8NST 80/175
W1PVP 11/27	W4BYT 114/318	W6YVK 71/188	WB8JJI 66/174
W1DHT 11/25	W4KFV 96/265	W6MJO 70/181	W8DWJ 75/170
K1EWY 10/22	K4LNC 76/213	WB6NNL 73/176	W8OXS 74/165
W1IKN 8/19	K4DUQ 66/182	W6UFY 65/162	K8MAJ 70/160

WB8JYO	69/144	WB8DHW	16/35	WQQHY	138/359	WQJAEZ	13/27
WB8NRX	59/133	WA8RNB	17/33	WQERZ	127/332	WQJDP	10/19
WB8RQG	62/131	W8HNX	15/32	KQWEX	111/293		
WB8OIQ	56/128	W8QF	10/25	KQTEA	96/255	*KL7HDX	9/25
WB8OIR	55/126	W8GGL	12/24	WAGZOL	86/218		
WB8CKW	50/123	W8DPR	10/23	WQML	80/204	*KH6IGC	235/663
WB8MBF	51/121	WB8CNQ	10/19	WQHKU	69/186	*KH6ILF	200/559
K8MKA	51/109	WB8KAU	8/17	WBQCGJ	57/162	KH6EKK	129/369
WB8PDI	52/105			WQNB	62/161	KH61JA	104/293
W8NKJ	46/100	*K9EGA	194/539	WQYINQ	57/155	KH6AHZ	28/83
WB8ASQ	50/99	*WB9LPC	119/335	WQST	63/146		
W8RNB	42/98	W9LKT	107/294	KQBQI	53/132	*VE2XL	18/33
WB8MSY	38/81	WB9MDB	102/283	WBQEXC	50/126	*VE3CYK	12/27
WB8NKG	33/71	W9ATF	88/253	WBQLFY	43/98	*VE5SM	17/48
WB8RMD	33/66	WB9FNR	91/260	WQFC	33/80	*VE7DT	70/165
WB8NWQ	21/54	WB9PJJ	74/206	WAGCNS	30/76		
WA8RLY	25/53	K9FZV	72/204	KQBVY	28/62	*TT2WI	125/360
WA8VKR	23/53	WA9TWE	37/104	WQECR	24/56		
K8NTK	25/49	K9KKX	18/45	WBQFKW	25/50	*LU7FAG	234/671
W8KOI	18/49			WQUMUD	21/47	*HK3CTJ	90/260
K8ONI	22/48	*WBQCEI	290/783	WQATV	22/46	CE3YY	75/219
WB81BQ	22/47	*WAGMOJ	209/586	WBQCCF	17/42		
K8ZGV	23/46	KQWZI	187/523	WBQFKR	19/38	*JH3GCN	9/21
W8HU	21/46	WBQGGO	187/496	WBQEMI	13/34		
WA8MJY	22/44	WQCDC	147/407	KQFZX	14/31	*ZLLARO	81/221

Chapter Scores

Nutmeg (Conn.-Mass)	2972/6638	Rio Grande (South Texas)	550/1523
C.A.T.T.(Cincinnati Area)	2554/6420	Sky Blue Waters (Minn.)	490/1199
L.I.A.R.S.(N.Y.-N.J.)	1879/4605	Golden Bear (California)	394/1002
Michigan Robins	1858/4194	Maryland - D.C.	339/876
Gateway (St.Louis Area)	1543/4064	Red River Valley (La.)	232/640
San Francisco Bay Area	1558/3769	Hoosier Hills (Ind.)	179/498
Sun Coast (Florida)	1226/3347	Minute Man (Mass.)	63/143
Southern California	1293/3210	Middle Tennessee	27/78
Thunderbird (Arizona)	1017/2799	Northern New Jersey	17/36
Delaware Valley (Pa.)	766/1914		

Thank you for sending your log - 329 received, compared to 187 last year. Again, some logs did not have dates and times of contacts. Contest logs definitely should have this information.

Certificates of Award have gone to all first and second place winners. Congratulations to the winners and my thanks to everyone for your participation.

There is one more contest coming up this year: the Summer QSO Party, July 12-13 (rules are the same as for the February contest and are listed in the March Bulletin. Send logs to: Grace Dunlap K5MRU/Ø, Box 13, Rand, Colorado 80473, to be postmarked no later than Aug. 31, 1975.

Good luck & 73,

Grace

Grace Dunlap, K5MRU #218
Contest Manager

NOTE: Members are not to send an SASE for copy of July Contest results. Complete results will be published in our Fall Bulletin.

CHAPTER HEAD ACTIVITIES REPORT- Net Coordinator George Elliott W6EFC

The following is the list of Chapters that have supplied the time, day(s) and frequency of their callup.

Rio Grande Chapter- Santa Rosa, Texas. Thursdays 8:PM Central time. 28,790 MHz
Thunderbird Chapter-Phoenix, Arizona. Mondays 1900 MST, 28,790.MHz. Certificate available. Contact 5 certificate holders plus 50¢ domestic & \$1.00 DX.
Sky Blue Waters Chapter-Minneapolis, Minn.Monday through Saturday 9:00PM local time on 28,715 MHz. CW 28,150 MHz. Saturday only.
Gateway Chapter-St. Louis, Mo. Wednesdays & Thursdays 11:30 AM local time on 28,650 MHz. Certificate available.
SweetHart Maryland DC Chapter-Tuesday through Friday 2000 EDT on 28,775 MHz. Three Certificates available.
The Tremblers, Nicaragua. No information on callup. A Certificate is in the making.
The Long Island Amateur Radio Service- (LIARS)Long Island New York. Daily Callup on two SSB frequencies which were not given. CW Fridays. Certificate available.
Chief Seattle Chapter-Seattle, Wash. Daily callup at 1830 CUT on 28,625 MHz. Certificate available.
SunCoast Chapter-New Port Richey, Fla. Wednesdays 0100 CUT no frequency given.
Stark County Mutual Aid Net-North Canton, Ohio. Callup Sunday 11:45 AM local time on 28,8 MHz.
Dallas County Ten Meter Chapter- Dallas, Texas. Callup Sunday & Thursday at 0230 CUT on 28,600 MHz.
Nutmeg Chapter- Meriden, Conn. Tuesday & Sunday on 28,000 MHz. Time not listed.
Bay Area Chapter-Fremont (San Francisco Bay Area). Monday on 28,775 MHz. at 8:00 PM local time.
Red River Valley Chapter-Shrevesport, La. Thursday 7:30 PM local time on 28,636 MHz.
Michigan Robin Chapter-Farmington Hills, Mich. Wednesday 7:30 PM or 0030 CUT on 28,800 MHz.
Hoosier Hills Chapter-Bedford, Ind. Day not listed. 28,700 MHz. at 0200 CUT.
Happy Hoosier Net-Indianapolis, Ind. Callup on 28,525 MHz. at 2400CUT. Not a Ten Ten Chapter but very active on Ten Meters. Reported by K9BEH.
Gold Dust Chapter-Saskatoon, Sask.-Callup 1800 CUT to 2100 CUT on various days and frequencies.
Green County Chapter- Tulsa, Okla.
Please note. The Suncoast Chapter in New Port Richey also has a CERTIFICATE.
Blue Grass Chapter-Nicholasville Ky. Wednesday 8:00PM local time on 28,600 MHz.
Hemet Chapter-Hemet, Calif.-Time and frequency varies.
Golden Bear Chapter-Sacramento, Calif. Monday 7:30 PM local time. Monday 28,610 MHz.
Delaware Valley Chapter Erie, Penna.Thursday at 8:00 PM local time on 28,660 MHz
New Zealand Chapter-Ngatea Hauraki Plains, New Zealand. Tenth day of the month and monitor 28,600 each Sunday at 0700 CUT. Try 1600 to 1800 CUT Saturday or Sunday as more of the boys down under are on the air.
Whaling City Chapter- New Bedford, Mass. Callup 0600 CUT or 7:00 PM local time on ? certificate available.
The Hudson Valley Chapter-Hurley, New York. (Kingston) Callup at 9:30 PM local time on 28,650 MHz.
New Chapter in Birmingham, Ala. Chapter Head is WA4BNU
The Three Minute Northern New Jersey Chapter- 1900 to 2100 local time on 28,950 MHz.
Derby City Chapter-Louisville, Ky. Varies.
MinuteMan Chapter-Saugus, Mass.
Milwaukee Chapter-Milwaukee, Wisc. No information on callup of the Chapter.
Ten Tuners Chapter- Cincinnati, Ohio.Tuesday at 0100 CUT on 28,800 MHz.The Ten Tuners are listed with the ARRL. The Chapter has a C.A.T. certificate available, they are also very active in the weather watch.
The Blue Spruce Chapter-Denver Colo. Wednesdays at 8:00 PM local time on 28,713 MHz.
Mid Tennessee Chapter-Lobelville, Tenn. Callup at 7:30 PM local time on 28,750 MHz.
The Chapter in England is active but can only make contacts with the G stations.

Reports from the various Chapters show that they have been busy in their efforts to keep the ten meter band in use.

The Thunderbird Chapter in Phoenix reported 217 check-ins with 31 visitors. The Thunderbird certificate is now in 19 states and in Nicaragua. The Chapter holds "Eye-Ball" meetings every second month in a restaurant in Phoenix. Amateurs are invited to attend the meeting. Contact Ed. WA7DCO for details.

The Sky Blue Waters Chapter in Minneapolis is very active and hold meetings with speakers on a regular basis. The Chapter had 1604 check-ins for the first quarter. The Chapter has callups every day except Sunday. There was a meeting with the Dakota Division director who discussed the proposed docket. From a survey it seem that everyone is not sure about all phases of the docket. One thing seems sure is that everyone wants to keep all of the ten meter band.

The Bay Area Chapter in and around San Francisco report having good turnouts at all callups. Chapter Head Dick W6ANK was on vacation to Las Vegas and Death Valley Dick reported no "Hamming" in the Valley or Vegas but a lot of rest. Rest in Vegas Dick? Thanks to Larry K6PNQ for filling in for Dick as NCS.

The Maryland DC Chapter has three certificates available. Jim Hart is the designer and has been helping others get started with their certificate. Jim sent me a new fancy Ten Ten Net Certificate, with all the bars and VP number.

The new Chapter in Managua, Nicaragua has six members and soon will have a nice certificate with aerial photos. The name of the Chapter is "The Tremblers. It must shake down there Frank' We'll be looking for the certificate. Frank Nolan YN1FVN is Chapter Head.

The Minuteman Chapter in Mass. reports a complaint and a question, When will Ten open up. I wish I could supply accurate information. Warren had a visit from W7OIP Phil Rand who he worked on eleven meters. Dating yourself Warren?

The Long Island Amateur Radio Service (LIARS) Chapter have two SSB nets that are very active. They have a CW net on Friday nights and have hopes that the number checking in will increase. Rich Levy WB2MAN is the Chapter Head. We are waiting for the report on the out come of the Chapter Contest. Richard planned a cross country trip in May but we did not hear him on ten.

The Chief Seattle Chapter in Seattle is nearing the one hundred mark in membership. The Chapter is on daily at 1830 CUT on 28,625 MHZ. The Chapter is also on at 0400 CUT. The North Seattle Radio Club is interested in the Chapter ten meter novice CW net. Carl expects an increase in the number of novice members.

The SunCoast Chapter in New Port Richey, Florida has increased in membership the Chapter Head Clinton Paine reported 13 members checking in with the NCS. The members of the Chapter wanted to know what happens to the Chapter Head reports and there may be others with the same thought. The reports are filed and will be turned over to the successor to this office so whoever it may be will be able to know what was received and what the answers were. A copy of the reply is also filed. The chatter in the bulletin and quarterly reports are also made up from the Chapter Head reports.

The Chapter in England with Francis Rose as Chapter Head is getting things rolling over there. Francis reports that most contacts are local G stations but everyone is welcome to check into the Chapter.

The Hoosier Hills Chapter in Bedford, Indiana is on the air at 0200 CUT on 28.70 MHZ. Ken Kern reports a mild winter and ten meters was also mild to say the least. The Chapter is very active. Ken is also District 9 Manager.

The Ohio Chapter of the Ten Ten Net of, So. Calif. Stark County Mutual Aid Net Wm. Parks, Chapter Head reported that they had 12 members that did not miss a check-in for the first quarter. Nine others missed one or two times. This a very good record. The average number checking in was 55.8 members. The Chapter is also engaged in "Operation Sky-Warn". The Akron-Canton Meteorologist put on a training session and 26 Amateurs attended. If a warning is issued a member will be at the airport for direct reports from the surrounding area. The Ten Tuners of Cincinnati are also in the Weather Watch program.

The Gateway Chapter in the Greater St. Louis area of Missouri had an increase of 17;7 % over the past quarter. The Chapter used films from the USAF on antennas and used a classroom of the University to show them. The attendance was poor due to freezing rain and sleet. The Chapter had a good showing for the contest. I donnot know who to congratulate on the 1000 plaque as both the Chapter Head Jim W0QHY and Bob W80GO signed the report. However congratulations.

The Dallas County Chaptersent in a very detailed report of the Chapter doings. The report included the attendance record of the members, the NCS stations, the number checking in and a complete list of the members that checked in each month along with a letter. Jim W5RYA is the Chapter Head. Such a report takes time and dedication to the job.

The Ten Tuners of Cincinnati have been involved in the weather watch program for some time and are one of the important links for the weather bureau. In one case the Ten Tuners reported trouble before the Weather Bureau was aware of the situation. The Ten Tuners are growing under the leadership of Del W8EDG. Del is going to have an assistant due to the rush of business and his gentleman farming activities. The Ten Tuners have affiliated with ARRL.

The Meriden Conn. Chapter Head says not much to report as the ten meter band is very quiet. Fred WA1HMC works ten as long as there is anything on then 15 and finally 20 which he says he does not like. One member of the Chapter has worked 1000 and is waiting for his plaque.

The awards manager Frank Orcutt sent in a nice letter regarding some of the clubs that used to issue certificates in days gone by such as the Flamingo Net which he tells me has issued 1200 certificates when the Ten Ten Net was young. The Everglades Chapter has fallen by the Wayside but Frank is trying to get someone to reorganize the Chapter and restartit. The Orange Net is 100% Ten Ten as each member must have a number. I don't think there is a Chapter head for the group so I better get a letter off to one of the organizers and find out what gives. Frank keeps busy with the VP work and other awards.

The Chapter in Shrevesport has a new Chapter Head, John Mussey K5RNM. The Chapter is now known as the "Red River Valley Chapter". John has applied for a VP number and has WAS Certificate #8. My error the WAS goes toK5PHV. I am sure the State of louisana will be heard from.

The Michigan Robin Chapter, Ed. Kohler Chapter Head reports a lot of growth since the last report. Ed says the callup on Wednesday is not for merely the members to check-in but to have a round table as well. All Amateurs are invited to check in and join the discussions. The Robins have a novice program in operation. The Robin members monitor 28.6 MHz during the day.

The "Down Under" Chapter in Ngatea New Zealand monitors 28,600 MHz every Sunday and has rollcall the 10 th. of each month. George Currie is getting things going in New Zealand.

The Whaling City Chapter in New Bedford, Mass. is a very active group in that area. Carl Bissonnette is the Chapter Head. Carl has the same question, when will the band open. We all wish we knew the answer to that. They have had some openings to South America. The Chapter has a very nice certificate and all that is necessary to get one is to work any member of the Chapter.

The Hudson Valley Chapter in Kingston (Hurley) New York is growing. The Chapter meets with the Overlook Radio Club on the air at 9:30 PM local time the second Friday of each month. Bob Baron is the Chapter Head. Bob is selling the Ten Ten Net instead of bonds that he formerly sold.

When sending in a change of address or change of callsign be sure to include the certificate number. I do not have an alphabetic listing. Some of the cards that are received give the name, old & new address but no callsign or certificate number. If the certificate number is included in the change the records can be easily changed otherwise there are problems. Please include the certificate number and both the old and new callsign if a new call has been issued.

There will be a new Chapter in operation starting June 19, 1975 in Coventry Rhode Island. Paul Williams wants everyone to know that the Rhode Island Area Chapter meets every Thursday at 8:00 PM local time on 28,615 MHz. Paul here's the notice.

Richard (Dick) Freeman in Truro, Nova Scotia says "There has not been all a large change in band conditions in NS". The same holds true elsewhere Dick but we are always glad to hear from you. Dick is doing missionary work for the Net by putting Ten Ten stamps on all stationary he send out.

I hope no Chapter or Chapter Head has been skipped or errors made in the day(s) they have roll-call or in the time or frequency used. If mistakes have been made it is not intentionally made. I hope Morrie don't think I have been vaccinated with a phonograph needle with so much chatter.

"73" Geo. E. Elliott W6ENC Net Co-ordinator #1774. "30"

BULLETIN SUPPLEMENT TO THE ROSTER

8305-W5FHF	10,317-WA5KYY	10,430-WB5HPF/6	10,493-KØKMD	10,551-WA4UPR	10,690-W6RMP	10,749-WA2VZC
9004-HK6CKS/1	10,318-WA5UBN	10,431-WB6WFV	10,494-WBØMNS	10,552-WA4JUP	10,691-WB6KFR	10,750-W1MLLT
9087-omit	10,319-WB5HIG	10,432-WB6RHX	10,495-WBØOPL	10,553-W4VUN	10,692-WB6CFV	
9967-WB9LPC	10,320-WB5MHS	10,433-WA6ITW	10,496-WØDBT	10,554-W5WDM	10,693-WA6CFW	10,791-PY1ZBG
9968-W9SDQ	10,321-WA4OZY	10,434-W6TJI	10,497-WØMEW	10,555-WA4BBV	10,694-WA6VQF	10,792-VE3FZR
9969-W9NNC	10,322-WB5JCG	10,435-WB6OFM	10,498-KØRPW	10,556-WA4BIM	10,695-W6BJB	10,793-LU6DWZ
9970-WB9KTA	10,323-WB4PLC	10,436-WA6UGU	10,499-WØMQ	10,557-W4AKB	10,696-WA6LIX	10,794-KP4EGH
9971-KØMPU	10,324-WB4LQI	10,437-WB6IPY	10,500-K9QNC/0	10,558-WB4ZWF	10,697-WA1STZ/6	10,795-VP2KJ
9972-WB9COWJ	10,325-WB4LTF	10,438-WA6FNV	10,501-WBØMJK	10,559-WB5LDU	10,698-W6PWH	10,796-VE7CGK
9973-WA9PQY	10,326-K4LRO	10,439-W6NUT	10,502-WNØNHD	10,560-WB5ETS	10,699-W6QWH	10,797-KZ5AS
9974-WA9CTN	10,327-W4JCK	10,440-K6SK		10,561-W5DCH	10,700-W6FWG	10,798-KZ5RS
9975-WB9KDW	10,328-K5RSS	10,441-W6JOP	10,526-ZL1EKS	10,562-WA5TCP	10,701-W6PLO	10,799-HC2HX
	10,329-W5TSF	10,442-WA6SVW	10,527-LU7EAZ	10,563-K4HFQ	10,702-K6MHO	10,800-LU2DNC
10,089-WB8FOH	10,330-WB4CSS		10,528-K4BWO	10,564-WB4ZIC	10,703-K6TCN	10,801-OA4AML
10,090-W8JEU		10,470-WBØJLR	10,529-W5HVP	10,565-WB5NRC	10,704-K6DIS	10,802-OA4SS
10,091-WB8MES	10,365-W7JYR	10,471-WBØIWL	10,530-W5IFP	10,566-WB4YQV	10,705-WBØMAS/6	10,803-VE3GFW
10,092-WA8VKR	10,366-WA7YDR	10,472-WØEI	10,531-K4WQ	10,567-WB5OJZ	10,706-K6YYQ	10,804-JH7AQH
10,093-WB8PTC	10,367-W7AE	10,473-WBØCIX	10,532-W4QCP	10,568-WB4SQN	10,707-WB6QOX	10,805-ZL1BHV
10,094-WBØQED		10,474-WBØLNF	10,533-W4UBE	10,569-W4GVD	10,708-K6CI	10,806-JAØUMN
10,095-K8ZKJ	10,412-WB6KJS	10,475-WBØNQZ	10,534-K4IEJ	10,570-WB4PRY	10,709-WB6EMR	10,807-VE3HPB
10,096-WB8AGN	10,413-WA6EGJ	10,476-WAØNDN	10,535-WA5VUM	10,571-K4NWU	10,710-WA6ZTN	10,808-VE3BEW
10,097-WB8TUU	10,414-K2UVG/6	10,477-WØFXL	10,536-W4DRP	10,572-WB4ECB	10,711-W6WBK	
10,098-W8MFW	10,415-WB6DCF	10,478-WBØLFO	10,537-W9MDV	10,573-K4JPD	10,712-W6JDS	CORRECTIONS
10,099-W8KXL	10,416-WA6EHM	10,479-WAØAFD	10,538-W4KQP	10,574-WA5GHF/4	10,713-WB6HPI	-K8RQO
10,100-WA8SXL	10,417-WA6HAE	10,480-WAØZVP	10,539-W5TGA	10,575-WB4WXP	10,714-W6IMX	1823-WA7YTF
10,101-WN8RUQ	10,418-WA6YFD	10,481-WAØOZN	10,540-WA5TPO	10,576-WA4EUD	10,715-W6ZM	8948-WB8ONA
10,102-WB8DSG	10,419-W6OPO	10,482-WØMJO	10,541-WA4GLC	10,577-K5VFA	10,716-K6DZO	8948-XP1AA
10,103-WA8AFS	10,420-WB6RAB	10,483-WØMYR	10,542-WB5LLK	10,578-WN4GZG	10,717-WB6VQC	555-W7PP/0
10,104-WB8OZV	10,421-K6VIB	10,484-KØUPV	10,543-W4CEC	10,579-VE7CGR	10,718-WB6ESF	997-WØALI
	10,422-WB6CEI	10,485-WBØCTT	10,544-W5BXC	10,580-WB8KYA		8022-WBØDKK
10,310-K4WHT	10,423-WA6UCE	10,486-KØFFM	10,545-K4DTP	10,581-WA8TMY	10,739-HR1MM	8107-KØKCH
10,311-WB5IZW	10,424-K6EHX	10,487-WBØHOG	10,456-K4AUU			9587-WAØATV
10,312-W5ZWX	10,425-K6MG	10,488-WBØFQD	10,457-WB4TKI	10,686-VE7CFX	10,744-W3GIG	9884-WAØDJT
10,313-WB5NLE	10,426-WB6LWQ	10,489-WBØPTB		10,687-VE7QMD	10,745-WA2GCL	9902-KØPVI
10,314-K4GVD	10,427-W6RYH	10,490-WØZQA	10,548-WA4AUH	10,688-WA6AHF	10,746-WB2YJY	9914-KØØCC
10,315-WB5LDN	10,428-W6MMG	10,491-KØMPO	10,549-WA4DOU	10,689-WA6FSS	10,747-WA1UME	9921-W1ZUW/0
10,316-WB5GUV	10,429-W6ODM	10,492-WØPGL	10,550-WA4VWZ		10,748-K1MBX	