



founded 1970

# THE BULLSHEET

Official News Bulletin of the  
Texas DX Society

An ARRL Affiliated Club



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The Texas DX Society, PO Box 540291, Houston, TX 77254-0291

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## Announcements

**Meeting Notice** - The Texas DX Society meets on the second Friday of each month, except when the date is changed by the Board of Directors. This month the March meeting will take place on Friday, March 9 at St. Johns School, at the corner of Claremont and Westheimer Roads. Claremont is the name of Buffalo Speedway after it crosses north of Westheimer. There is a parking lot entrance just north of Westheimer; park in the lot and follow the walkway to enter the school building. The meeting will take place in the auditorium/lecture hall and will begin about 7:30 P.M. Visitors are welcome to attend these meetings and may obtain help in finding the location by checking in on 147.96/36 MHz.

**Weekly DX and Contest Net** - Each Tuesday night a 9:00 P.M. local time the Texas DX Society sponsors a net on 147.96/36 MHz. The purpose of this net is to exchange information of interest to DXers and contesters. The agenda includes current DX and contest information, QSL routings and related announcements. Stations checking-in are urged to report DX heard or worked locally, band openings, contest claimed scores, and any other information that might be of interest. Participation is not limited to members of TDXS, but is open to all and everyone is encouraged to join in.

**Program** - The program for the March TDXS Meeting will feature Dr. William T. Schrader, a.k.a. "Tuna", K2TNO. By popular demand he will once again display his wizardry with receiver performance measurements. With several new "rice boxes" having appeared on the amateur scene since his last exhibition of "lectric magic, chances are good that there could be new front runners in the race for top honors. Anyone who would like to enter his favorite radio is welcome, especially if it's hot off the production line.

**DX Packet Cluster** - The TDXS Packet Cluster DX Bulletin Board, operating on 144.95 MHz with the call KE5IV, is located in Hempstead, TX. The Cluster runs the AK1A software and uses AX25 Level 2 protocol. A digipeater (ALD) is located on the north side of Houston to provide improved access to the cluster. There is an alternative path on 144.91 MHz, also under KE5IV's call, with a high, multi-element 2 meter beam pointed at Houston. It is linked into the the same computer that runs the Cluster. This allows those in Houston the option of connecting directly with Hempstead and has the virtue of giving faster response. K5FP operates another packet cluster located in Galveston county which is quite active on 144.93 MHz. It is usually connected with KE5IV. Stations in the southern parts of Houston may find it easier to connect with this cluster. Also, both clusters are frequently linked into Austin and Dallas for added DX coverage, especially during contests.

**Bullsheet Mailing List** - TDXS wishes to provide the Bullsheet to all amateurs in the area with an interest in DXing and contesting. Donations to help defray publication and mailing costs are appreciated. Visitors to our club meetings will receive the 'Sheet for three months free of charge simply by signing the Attendance List and including their mailing address. Articles or other newsworthy items are hereby solicited by your editor. Articles should be submitted in the form of either ASCII files or as MS Word or Word-Perfect word processor files. Files may be uploaded to the TDXS area on K2TNO's Bulletin Board at 713-798-4955, or sent direct to the editor on 5 1/4" diskette. Contact W5ASP at 713-974-3455 to arrange these file transfers. If necessary, files may be sent to "Dr. William Schrader" via FAX at 713-790-1275.

**WARC-FEST '89** - On September 10, 1989 the TDXS hosted a "Sunday afternoon social" on the WARC bands. This event was sponsored by TDXS to observe the 10th anniversary of the WARC band allocation and to promote the expanded use of these vital frequencies. While the turnout was moderate those who stopped by did seem to enjoy themselves. Of those who furnished us with a summary of their combined phone and cw activities K6LL/7 reported 263 contacts, listing some 105 QTHs. K5DX was similarly active with 232 contacts among 68 QTHs. Others heard from were AA4UF, WB5KYK, WB0B and XQ3DPD (CE3DPD). HP1AC's summary was the sole "CW only" report though K5MA had been quite active for a while. As promised, these operators will receive Certificates of Merit to commemorate the event. Thanks to all who participated.

## Dispatches From the UK

Our correspondent-on-the-Thames G0/K5TU reports experiencing 90 mph winds on a recent 6 1/2 hour nighttime journey to Heathrow airport in route to a "pheasant shoot" in Scotland. He made it okay and has a freezer full. Kim also reports hearing the gang during CW Sprint, with LZ0 loudest in spite of weak signals with polar flutter. His plans include a stateside visit the week prior to OTC and then July/August for 3-4 weeks vacation.

Andy GM0ECO, our correspondent-on-the-moors, is now in residence at Briarhill Farm Cottage. This modest abode is blessed with 2 acres of "garden" quite suitable for his antenna farm. The first 30' of tower is in place and sports a newly assembled TH7. Everything was going just fine until a violent blast of Scottish wind and rain sent one of the 15 meter traps south. A phone call to Hy-Gain revealed that "Oh yes, we did have a bad run of end caps a while back...they tend to leak, shorting out the traps...". Repairs are underway and he should be QRV by ARRL DX Phone. Your editor keeps a schedule each Tuesday/Thursday on 28650 (or 21205) MHZ at 1800 Z. Stop by if you get a chance.

## Outgoing QSL Cards

The ARRL provides a service to it's members which allows them to send DX QSL cards to foreign countries at minimum cost and effort. TDXS members can take advantage of this service by getting their cards to K5LZO, who will in turn forward them to the ARRL Outgoing QSL Service. TDXS pays the nominal service fee of \$2 per pound as well as the postage. Those wishing to use this route for their cards must sort their DX QSL cards alphabetically by country as shown on the ARRL DXCC Country List. This means that the prefix ES or LY goes with the Russians, XQ and 3G with Chile, AZ and L2 to Argentina, etc. However, it is not necessary to sort within a given country, i.e. all Russians may be lumped together...don't sort RA, UT, LY separately. Keep in mind that QSL's for DXpedition operations usually go the country of the operator, e.g. JW9XG via LA9XG, 3D2XR via SM7PKK, etc. Many foreign stations have stateside QSL managers. These cards may be included with the "K's". By the way, most caribbean stations turn out to be nonresidents, so send such QSL's to the operator's home country. There are number of DXCC countries not served, e.g. many U.S. territories (KH3, KH7, KH9, etc.) and countries such as Taiwan, Egypt, Nepal, etc. A complete list currently appears in September 1989 QST, page 65. Finally, each TDXS member must include their QST address label with each group of cards submitted. Contact K5LZO if you have any questions (before you drop the cards on him!).

## The Prez Sez...

de Ken, KE5TV

Well, I think we all survived ARRL DX CW despite poor conditions, lack of operators, and antennas that worked last contest but required the 2 minute drill to have them ready by 0000Z. Some of the ramblings heard on the 3.8 MHZ band, the repeater, and LL are listed in the table below.

I need a volunteer for the position of Contest Chairman. Because of work and home responsibilities, Brent, NT5D, does not have the time. Please let me or someone on the Board know, if you are interested.

Bob, N5RP, has suggested the Club could use the Recreational Center in his subdivision. There was a meeting going on at the time, so the Board will have to inspect at a later date. Remember, the facilities at St. John's School cost the TDXS \$50 a meeting.

All Full Members should be receiving a ballot shortly on the proposed Constitution Amendment. Please fill it out and return it as soon as possible.

If you hear some members, or should I say ex-members, talking on the repeater about not receiving their Bullsheel, a subtle reminder about dues, plus \$10 readmittance fee, should cure it.

You will note this article is a lot early, but the Editor has fun things planned !

## ARRL CW DX TEST High Claimed Scores

Call	Class	QSO's	Mults	Score
W3LPL	M/M	4410	560	7.4M
K1ST	M/M	4136	506	6.27M
K5NA	M/M	3695	507	5.6M
NR5M	M/2	2569	436	3.36M
K1VR	M/S	2161	386	2.5M
K3ZO	M/S	1800	371	2.0M
KF3Q	M/S	1183	337	1.2M
NC1D	M/S	1180	340	1.2M
N5EA	M/S	1125	270	0.9M
N5RZ	SO/AB	1813	388	2.1M
WM5G	SO/AB	1737	377	1.96M
K0RF	SO/AB	1907	320	1.83M
K8AZ	SO/AB	1663	368	1.84

## REPEATER NEWS

Last month's Repeater News incorrectly gave the new location for the TDXS "primary" repeater as the First City Bank building. It is in fact the One Houston Center building. As of now the contract authorizing the use of the facility is again being bounced back and forth among the lawyers. Stay tuned for further episodes in this seemingly endless saga.

## DX Report

de Bob, AK5B

It looks like this edition of the Bullsheat, at least my column, will be put together a little earlier than usual. It seems that our esteemed Editor will be spending a week submerged in the Caribbean, and then I'll be with the crew at XE2FU hollering away during ARRL DX SSB. So with that in mind, please excuse any of my late-breaking news that may seem like old news to you! First, the newest news, heard today February 22nd. Walvis Bay has been accepted for new country status. Per the INDXA Net, via NY5L our contributor from Huffman, the ZS1 or ZS9 cards from Walvis Bay will be accepted for credit after June 1st. By this time, those of you that have the T33 Banaba Island and 3D2 Conway Reef QSLs can submit them, i.e on or after March 1st. Don't throw away your 4W0PA QSLs just yet. Per the same net, the ARRL has received more documentation. The problem is that it is in Arabic. After translation the paper work may be deemed satisfactory. Don't know anyone in these parts that has worked him, but if you have, keep your fingers crossed. Or as LZO sez, "just another 4W". Rumors are still flying in regard to the upcoming ST0 operation. One bulletin has it called off while the nets say to hang in there, that talks are still going on. Be sure to keep up with the latest via our Tuesday net on 2 mtrs. Spratly is again being mentioned. This time, according to QRZ DX, two different operations !! One is to be put on by JA and UA operators, using the call 1S0XV. They will go by helicopter, along with 10 soldiers and a Doctor, to be QRV on March 15-30. The other group, with Ron ZL1AMO and maybe Robin DU9RG, will give it a try later this year, maybe August or September. Last month, I talked about Jim Smith VK9NS and his efforts to get permission to operate from A5. Well guess that's still on, but now he is also hot on the trail to S2, Bangladesh. Nothing firm, but Jim feels his contact with the Prime Minister may bear fruit. To update last months comments, all of the XW8s are now ok with the League. Also, Lloyd and Iris went from A9 to VK2GDD, then to ZL0AKH. This may be their last stop on their way back to the states, but don't be surprised to hear them on from FO, Tahiti. OK, I guess that's about it for this month. I'll let you off easy cuz of the two week (actually one week...ed.) lead time, but I promise to make it up to you next month. CU then...Gud DX es 73.

## UPCOMING EVENTS

- March 6.....NA Sprint CW Logs "DUE"
- March 9.....TDXS Monthly Meeting
- March 10.....Lafayette Hamfest (Lafayette, LA)
- March 10.....JA International DX CW
- March 10.....County Hunter's 10M CW Party
- March 13.....NA Sprint Phone Logs "DUE"
- March 17.....County Hunter's 10M Phone Party
- March 24.....CQ WW WPX Phone
- April 4.....ARRL DX Logs "Postmarked"
- April 6.....International DX Convention (Visalia, CA)
- April 8.....US/USSR MM (??)
- April 14.....NA QSO Party CW

(All dates in UTC)

## CONTEST NEWS

### Rumored Scores:

#### NA Sprint CW:

K5LZO.....300 by 45  
 K5GA.....310 by 42  
 KG5U.....265 by 40  
 K5RC.....150 by 35  
 K2TNO.....1 "Crispy Critter" by 0 (\*)  
 (\* No doubt the basis for a forthcoming article!)

#### NA Sprint Phone:

K5LZO.....310 by 45  
 W5ASP.....251 by 42  
 K5RC.....68 by 31  
 WB5N.....142 BY 38

#### ARRL DX CW:

NR5M.....M/M....2,550 Q's & 436 Mults.  
 (K2TNO,K5GA,K5LZO,N5RP,NM5M,WB5N,KI3L,  
 KESIV)  
 N5EA.....M/S....1,125 Q's & 270 Mults.  
 (N5EA,W5ASP,W5VAH,WA5ZVE,W5PWG,W5VWN)  
 KG5U.....QRP....160 Q's & 80 Mults.

#### 1989 CQ WPX SSB Results:

W05G (W5WMU Op.)..SO/28MHZ..#4/USA.  
 W9AGH/S.....AB  
 WBSRUS/T.....SO/28MHZ..#1/USA Tech  
 K5LZO (w/ K5GA).....M/S

## DXpeditions

**South of the Border** - Yet another trek to XE2FU's Nuevo Laredo hacienda was made last week to observe the ritual festival known as ARRL DX SSB. Among the devout crew making this pilgrimage were K5LZO, K5VMX, AK5B, WB5N, and NT5D. Outlanders KD5SP and NM5M expected to join the group prior to their crossing of the Rio Bravo del Norte. Was there a new record lurking in their logs?

**Islands in the Sun** - Your editor recently slipped out of town for a brief visit to the Caymans. This was brought about not only by the "urge to submerge" but the chance to play radio as ZF2NE/ZF8 during ARRL DX Phone. (Hope you're all in the log!) Should be back just in time to drop this issue in the mail.

**Cajun Country** - KE5FI crossed the Sabine into Acadia to defend his 5th District 28MHz S/O title won last year in the ARRL DX Phone contest. Chuck again operated from W5WMU's station. He went looking for a record setting performance this year...let's hope it worked out for him!

**DXCC News**

(de Joe, W5ASP)

It's official now! The long awaited letter from Don Search arrived. Our own Jim Lane, N5DC, has made the Honor Roll. The elves in Newington have credited him with 326 DXCC countries worked. With the 13 deletions (he's kind of an "old timer") that gives Jim 313 good ones, just above the magic 311 level of the current total of 321 countries listed.

**DXAC News** - At the January ARRL Board of Directors Meeting the 5-Band DXCC Award was made endorsable for both the 17 and 12 Meter bands. These endorsements will be available for those who already have qualified for 5BDXCC on the 80-10 M bands.

The ARRL Awards Committee has voted to accept the DXAC's recommendation that Walvis Bay ZS9 be added to the DXCC countries list. QSL cards may be submitted on or after June 1, 1990. (Also, the ZS9 worked during ARRL DX CW will count as a separate multiplier.)

**DXCC Standings** - The annual listing of the DXCC membership appears in the March issue of QST. TDXS calls are listed below. Honor Roll members are marked with an asterisk (\*). (If I missed anyone, sorry but the print is a bit small and the list quite long...ed.)

Mixed - K5DX..359(\*) K5AAD..349(\*) K5RC..339(\*)  
 N5EA..332(\*) K5BZU..329(\*) K5YCP..329(\*)  
 N5DC..326(\*) W5DOZ..319(\*)/[SK] W5SG..315  
 KC5M..314 AK5B..311 WB5BIR..308 KE5TF..303  
 KP5MY..302 KC5CP..301 W5ASP..290 WN4KKN..274  
 NN5O..267 KD5SP..226

Phone - K5DX..354(\*) W5JWM..351(\*) K5YCP..329(\*)  
 KC5M..312 W5SG..308 W5LLU..295

CW - KC5M..294 AK5B..281 W5ASP..272 WN4KKN..205

**QNU...Quote (w/ Comment)**

de Joe, W5ASP

Having just finished checking my logs from the February '90 NA Phone Sprint, I was surprised to find that there were very few TDXS calls listed. Except for the six other TDXS members who entered the contest, there were only three members whose calls even showed up in the logs. (By the way, there was no TDXS Phone Sprint team this time.)

I looked back over the past few years of Sprint results and found the following. TDXS teams have placed 2nd, 3rd, 4th, 5th and 7th in five CW Sprints, with a 2nd last fall as part of the "Texas" team. The TDXS Phone teams have had a 1st, three 2nd, a 3rd, and a 4th place finish. (For a supposed CW oriented group we seem to do okay with a mike!) Over this period, February '87 through February '90, there have been 19 members in one or more CW sprints and 22 in Phone. Yet with this record it appears that TDXS can no longer field a Sprint team nor even support those who do enter. Maybe the sunspots have something to do with it?

**DXer's Toolbox**

What with the current uproar amongst the various republics of the U.S.S.R. time may be running out for the devoted Oblast hunter. For those of you not familiar with this sport, a few words of explanation. The Central Radio Club of the U.S.S.R., i.e. QTH for the infamous Box 88, issues numerous awards for contacts with Russian amateurs. Among the more notable of these is the R-100-O award requiring contact with 100 (or more) different oblasts. There are about 177 of these discrete geopolitical regions. As the assignment of the various oblasts is changed frequently, a up-to-date list is the key to success. For the benefit of our readers there follows a current list courtesy of K1KI, the stateside guru on such matters. Also, to assist in the crucial matter of QSLing, the "Official Oblast Hunter's Calendar" is reproduced below.

	ЯНУАРИЙ	ФЕВРАЛЬ	МАРТ	
Пн	1 8 15 22 29	5 12 19 26	5 12 19 26	Пн
Вт	2 9 16 23 30	6 13 20 27	6 13 20 27	Вт
Ср	3 10 17 24 31	7 14 21 28	7 14 21 28	Ср
Чт	4 11 18 25	1 8 15 22	1 8 15 22 29	Чт
Пт	5 12 19 26	2 9 16 23	2 9 16 23 30	Пт
Сб	6 13 20 27	3 10 17 24	3 10 17 24 31	Сб
Вс	7 14 21 28	4 11 18 25	4 11 18 25	Вс
	АПРЕЛЬ	МАЙ	ИЮНЬ	
Пн	2 9 16 23 30	7 14 21 28	4 11 18 25	Пн
Вт	3 10 17 24	1 8 15 22 29	5 12 19 26	Вт
Ср	4 11 18 25	2 9 16 23 30	6 13 20 27	Ср
Чт	5 12 19 26	3 10 17 24 31	7 14 21 28	Чт
Пт	6 13 20 27	4 11 18 25	1 8 15 22 29	Пт
Сб	7 14 21 28	5 12 19 26	2 9 16 23 30	Сб
Вс	1 8 15 22 29	6 13 20 27	3 10 17 24	Вс

**1990** фото В. Жаворонкова

	ИЮЛЬ	АВГУСТ	СЕНТЯБРЬ	
Пн	2 9 16 23 30	6 13 20 27	3 10 17 24	Пн
Вт	3 10 17 24 31	7 14 21 28	4 11 18 25	Вт
Ср	4 11 18 25	1 8 15 22 29	5 12 19 26	Ср
Чт	5 12 19 26	2 9 16 23 30	6 13 20 27	Чт
Пт	6 13 20 27	3 10 17 24 31	7 14 21 28	Пт
Сб	7 14 21 28	4 11 18 25	1 8 15 22 29	Сб
Вс	1 8 15 22 29	5 12 19 26	2 9 16 23 30	Вс
	ОКТАБРЬ	НОЯБРЬ	ДЕКАБРЬ	
Пн	1 8 15 22 29	5 12 19 26	3 10 17 24 31	Пн
Вт	2 9 16 23 30	6 13 20 27	4 11 18 25	Вт
Ср	3 10 17 24 31	7 14 21 28	5 12 19 26	Ср
Чт	4 11 18 25	1 8 15 22 29	6 13 20 27	Чт
Пт	5 12 19 26	2 9 16 23 30	7 14 21 28	Пт
Сб	6 13 20 27	3 10 17 24	1 8 15 22 29	Сб
Вс	7 14 21 28	4 11 18 25	2 9 16 23 30	Вс

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# RUSSIAN PREFIXES, OBLASTS and ZONES CROSS-REFERENCE

<p>UA0A 103 KRASNOYARSKIY UA0B 105 TAVREYSKIY AUT UA0C 110 KHABAROVSKIY UA0D 111 YEVREYSKAYA AUT UA0P 153 SARATOVSKIY UA0H 106 EVREYKIYSKIY AUT UA0I 138 MAGADANSKAYA UA0J 112 AMURS KAYA UA0K 139 CHUKOTSKIY AUT UA0L 107 PRIMORSKIY UA0O 85 BURYATSKAYA UA0Q 98 YAKUTSKAYA UA0S 124 IRTUTSKAYA UA0U 166 CHITINSKAYA UA0W 104 KEKASSKAYA AUT UA0X 129 KORYAKSKIY AUT UA0Y 159 TUVINSKAYA UA0Z 128 KAMCHATSKAYA UA1A 169 LENTINGRAD CITY UA1C 136 LENTINGRADSKAYA UA1M 88 KARELSKAYA UA1O 113 ARKHALGZELSKAYA + FUL UA1P 114 MENETSKIY AUT UA1Q 120 VOLGOGRADSKAYA UA1T 144 NOVOSIBIRSKAYA UA1U 149 PSKOVSKAYA UA1Z 143 MURMANSKAYA UA2F 125 KALININGRADSKAYA UA3D 170 MOSCOW CITY UA3J 142 MOSCOWSKAYA UA3L 147 ORLOVSKAYA UA3G 137 LIPETSKAYA UA3I 126 KALININSKAYA UA3L 155 SMOLENSKAYA UA3M 168 YAROSLAVSKAYA UA3N 132 KOSTROMSKAYA UA3P 160 TULSKAYA UA3Q 121 VORONEZHSKAYA UA3R 157 TAMBOVSKAYA UA3S 151 RYAZANSKAYA UA3T 122 GORGOVSKAYA UA3V 123 IVANOVSKAYA UA3V 119 VLADIMIRSKAYA UA3W 135 KURSKAYA UA3X 127 KALUZHSKAYA UA3Y 118 BRYANSKAYA UA3Z 117 BELGORODSKAYA</p>	<p>UB-F 70 ODESSKAYA UB-G 78 KHERSONSKAYA UB-H 71 POLTAVSKAYA UB-I 73 DONETSKAYA UB-J 67 KRYVSKAYA UB-K 72 ROVENSKAYA UB-L 77 KARKOVSKAYA UB-M 59 YOROSHLIOVGRADSKAYA UB-N 57 VINNYTSKAYA UB-P 58 VOLYNYSKAYA UB-Q 64 ZAPOROZHSKAYA UB-R 81 CHERNOGOVSKAYA UB-S 74 IVANO-PRANKOVSKAYA UB-T 79 KHMELNITSKAYA UB-U 65 KIYEVSKAYA UB-V 66 KIROVGRADSKAYA UB-W 68 LVOVSKAYA UB-X 82 ZHITOMIRSKAYA UB-Y 82 CHERNOVITSKAYA UB-Z 69 NIKOLAYEVSKAYA UB5- 61 (Deleted 1963) UC-A 188 MINSK CITY (1984) UC-C 9 MINSKAYA UC-I 8 GRODNENSKAYA UC-L 5 BRESTSKAYA UC-O 7 COMELSKAYA UC-S 10 MOGILEVSKAYA UC-W 6 VITEBSKAYA UC-Z 11 (Deleted 1960) UD-C 2 MAKHICHEVANSKAYA UD-D 1 AZERBAIJZHAN UD-N 3 NAGORNO-KARABAKHSKAYA UF-F 12 GEORGIA UF-O 15 YUGO-OSETINSKAYA AUT UF-Q 14 ADZHARSKAYA UF-V 13 ABKHAZSKAYA UG-C 4 ARMENIA UH-A 191 ASHKHABAD CITY (1984) UH-B 180 (Deleted 1988) UH-E 44 MARYTSKAYA UH-H 43 (Deleted 1988) UH-I 193 TURKMENSKAYA UH-Y 45 TASHAUZSKAYA UH-Y 46 CHARDZHOUSSKAYA UI-A 189 TASHKENT CITY (1984) UI-B 53 TASHKENTSKAYA UI-C 49 KASHADARINSKAYA</p>	<p>UI-D 173 SYDARINSKAYA UI-F 47 ANDIZHANSKAYA UI-G 54 PERGANSKAYA UI-I 51 SAMARKANDSKAYA UI-L 48 BUKHARSKAYA UI-O 50 NAMANGANSKAYA UI-Q 185 (Deleted 1988) UI-T 52 SURKHANDARINSKAYA UI-U 55 KHOREZMSKAYA UI-V 181 (Deleted 1988) UI-Z 56 KARKALPAKSKAYA UJ-J 40 TADZHIK UJ-K 182 (Deleted 1988) UJ-N 192 KHATLOVSKAYA (1988) UJ-R 42 GORNO-BADAKHSHANSKAYA UJ-S 41 LENINABADSKAYA UJ-X 183 (Deleted 1988) UJ-A 179 (Deleted 1988) UJ-B 16 TSELINGRADSKAYA UJ-C 28 NORTH KAZAKHSTANSKAYA UJ-D 29 SENTPALTINSKAYA UJ-E 25 KOKCHETAVSKAYA UJ-P 27 PAVLODARSKAYA UJ-G 190 ALMA ATA CITY (1984) UJ-I 17 AKTYUBINSKAYA UJ-J 19 EAST KAZAKHSTANSKAYA UJ-K 24 KYZIL-ORDINSKAYA UJ-L 26 KUSTANAYSKAYA UJ-M 22 URALS KAYA UJ-N 31 CHIRKENTSKAYA UJ-O 20 GURYESKAYA UJ-P 23 KARAGANDINSKAYA UJ-Q 18 ALMA-ATTIRSKAYA UJ-R 178 DZHEZKAZGANSKAYA (73) UJ-T 21 OZAMBULSKAYA UJ-V 30 TALDY-KURGANSKAYA UJ-Y 176 (Deleted 1988) UM- 32 (Deleted 1959) UM- 35 (Deleted 1959) UM-H 36 KIRGHIZ UM-N 177 (Deleted 1988) UM-Q 33 ISSYK-KULSKAYA UM-T 184 (Deleted 1988) UO-O 39 MOLDAVIA UP-B 38 LITHUANIA UQ-G 37 LATVIA</p>
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UR-R 83 ESTONIA  
UT-J 187 SEVASTOPOL CITY (1984)  
UT-U 186 KLEV CITY (1984)  
4K0- 171 ARCTIC (Del 1984)  
4K1- 172 ANTARCTICA (Del 1984)

Misc: UA6A=UA6B UP-B=UP-P  
UR-R=UR-T  
Calls may begin with R or U,  
RI=UI etc  
Ukraine - UB=UT=UY  
R.S.P.S.R - UA=UM=UV=UW=UZ  
Calls issued before 1971 may not  
follow this oblast pattern.  
Club calls can be identified  
by a W,X,Y,Z in the 2nd letter  
after the number.  
PJL stations are in UA10 (113).

**ITU ZONES FOR RUSSIAN OSOS**

19 - UA1-A-C-F-N-O-Q-Z
20 - UA1-Q1EXC FRANZ JOSEF)
21 - UA9-C-F-G-J-K-X
22 - UA9-H-J-K
23 - UA9-A-B
24 - UA9-A-B-H-S-O
25 - UA9-O
26 - UA9-C-I-Q
27 - UA9-T-K-O-X
28 - UA9-K-X
29 - UA1-A-C-F-Q-T-W
30 - UA2 UC UP UO UR
31 - UA3
32 - UA4-A-C-F-H-L-N-P-S-U-Y
33 - UA6 UD UF UG
34 - UL -M-O
35 - UA4-H-N-P-W
36 - UA9-A-C-F-G-L-M-Q-S-W
37 - UH UI UJ
38 - UL-A-B-C-E-F-G-I-J-K-L-M-N
39 - N-O-P-O-R-T-Y
40 - LM -M-N-T
41 - UA9-H-O-P-U-Y-Z
42 - UA9-A-W
43 - UL -D-F-G-J-V
44 - LM -M-P-Q
45 - UA8-T
46 - UA9-A-O-S-W-Y
47 - UA8-V
48 - UA9-C-D-J-O-Q-U-S
49 - UA9-C-F-I-L
50 - UA9-X-Z
51 - 4K1D
52 - 4K1A-4K1B
53 - 4K1C-4K1G
54 - 4K1H
55 - 4K1F
56 - UA1-Q(FRANZ JOSEF LAND)
57 - 4KO(ICE ISLANDS - UPOL)

**CO ZONES FOR RUSSIAN OSOS**

12 - 4K1H
13 - 4K1F 4K1J
14 - UA2 UP UO UR
15 - UA1(EXCEPT UA1-P + FUL)
16 - UC
17 - UA3 UA4 UA6
18 - UA9-S UA9-W
19 - UA1-P(EXCEPT ISLANDS)
20 - UH UI UJ UL UM
21 - UA8-T-V
22 - UA9-H-M-O-U-Y-Z
23 - UA9-A-B-H-O-S-U-W
24 - UA9-C-D-F-I-J-K-L-Q-X-Z
25 - UO UF UG
26 - UA9-Y
27 - 4K1B 4K1C 4K1K 4K1L
28 - 4K1G
29 - 4K1A 4K1D
30 - UA1-P(ICE ISLANDS ONLY)

**Note that**  
Russian call signs are  
taken from the following  
ITU Call Groups:  
RAA-RZZ, UAA-UZZ,  
and 4JA-4LZ