



# THE BULLSHEET

Official News Bulletin of the

Texas DX Society

An ARRL Affiliated Club

December 1995

Volume XIX

Number 12

The Texas DX Society, P.O. Box 540291 Houston, TX 77254-0291

President	Bob Perring, N5RP
Vice President	Dale Martin, KG5U
Secretary	Ron Marosko, KK5DK
Treasurer	Mike Davidson, KC5CP
Legal Chairman	Chuck Dietz, KE5FI
Contest Chairman	Joe Staples, W5ASP
Field Day Chairman	Bob Burns, W5SJS
Repeater Chairman	Brent Levit, NT5D
Bullsheel Editor	Dave Sarkozi, WB5N
DX Chairman	Clarence Sharp, K5DX

I have scheduled our meeting on a Monday, for this month. Specifically, December 11.

At that meeting, we can exchange lies about the 10 meter, and 160 meter contest.

Additionally, we have some interesting receiver presentations to be given.

KE5FI will show off his brand new IC-775 and compare it to his experience with the FT-1000.

KK5DK will show off his new IC-706.

We also have a 15 minute video from Kenwood that displays all of the lights, bells, and whistles of the TS-870S.

KB5IUA still has the leftovers from the Hamfest, so we will have free cold drinks for all.

Every member who attend will receive free gift. Hot Dog! You can't beat that, now can you?

We have planned for our TDXS winter banquet to be held in January. I hope that the majority of the membership is planning on attending.

At the December meeting we will announce the final selection of time and location for the winter banquet. All in all, even with everything going full speed during the holiday season, I hope that you might discover that Monday, December 11 is a free date so that we will all have a chance to wish each other a most happy holiday season and best wishes for a prosperous new year.

This last meeting of the year will be an excellent opportunity to wish all the best of luck to your new club officers, and present your ideas to them on how you will invigorate the club for the 1996 year.

## Announcements

**Meeting** – The Texas DX Society Meets the second Friday of each month, except when the date is changed by the Board of Directors. The February meeting will be **Monday December 11, 1995 at the Tracy Gee Community Center, 3599 Westcenter Drive.** This location is one block east of the Sam Houston Tollway (Beltway 8) between Richmond and Westpark. The meeting will begin promptly at 7 PM. Visitors are welcome to attend, and may obtain help in finding the location by checking in on 147.96/36 MHz.

## The Prez Sez – de Bob, N5RP

FROM THE N5 RADIO PULPIT !!!

The same holds true for this year as it did last year at this time. The N5RP household is trying to get everything accomplished during the holiday season that tackles it with the demands of time, money, and logistics.

Also for December, well I am struggling with the conflict that December contests creates with any Friday of the month.

December 1 is 160 Meter Contest.

December 8 is 10 Meter Contest.

December 15 may be a major social conflict with many.

December 22 is the start of the Christmas weekend.

---

**INTERNET Goodie's**

---

**IF YOU NEED QSL INFO BY EMAIL.....**

MAIL: [qsl-info@aug3.augsburg.edu](mailto:qsl-info@aug3.augsburg.edu)  
with the callsign in the main message...and then just wait  
for a reply

Warren EI6ETB, from the CQ-Contest Reflector.

\*\*\*

To subscribe to the 160m DX INTERNET mailing list,  
Email the message "subscribe" to:  
[topband-request@lists.frontier.net](mailto:topband-request@lists.frontier.net)

\*\*\*

To subscribe to the DX Reflector Email the message  
"subscribe to:

[dx-REQUEST@ve7tcp.ampr.org](mailto:dx-REQUEST@ve7tcp.ampr.org)

\*\*\*

**Web Pages:**

- The American Radio Relay League  
<http://www.acs.oakland.edu/barc/arrl.html>
- Boston Amateur Radio Club Home Page  
<http://www.acs.oakland.edu/barc.html>
- QSL INFO SYSTEM by IK4LZH  
<http://promet12.cineca.it/hlzh/qsl.html>
- Clear Lake Amateur Radio Club  
<http://www.phoenix.net/USERS/biekert/index.html>
- UTARC  
<http://wwwhost.cc.utexas.edu/~utarc/>
- W6BHZ - Cal Poly Amateur Radio Club  
<http://www.calpoly.edu/~dmalone/w6bhz/>
- MecklerWeb  
<http://www.mecklerweb.com>
- Federal Communications Law Journal  
<http://www.law.indiana.edu/fclj/fclj.html>
- Radio Net  
<http://www.radionet.com>
- Indiana University Amateur Radio Club  
<http://ezinfo.ucs.indiana.edu:80/~k9iu/>
- DX WWW #'s  
<http://www.cinet.f1/~jukka/>
- Solar Forecasts  
<http://www.sel.noaa.gov/>
- U of NM; F5JTL  
<http://www.unm.edu/~f5jtl/wx3w.html>
- Contest DX-Pedition Register  
<http://www.mordor.com/wb2k>
- KA9FOX  
<http://www.infoanalytic.com/ka9fox/>
- Kenwood Communications  
<http://www.accessnv.com/kenwood>
- Texas DX Society  
<http://wb5fnd.tech.uh.edu:80/~tdxs/>
- Tucson Amateur Packet Radio  
<http://www.tapr.org/tapr>
- UHARC Home Page  
<http://wb5fnd.tech.uh.edu/>
- GJ4ICD/GJ8ORH  
<http://user.itl.net/~equinox/>

- QCWA  
<http://www.efn.org/~qcwa/>
- PACSATS  
<http://gndstn.sp.nps.navy.mil>
- OAK Software Repository  
<http://www.acs.oakland.edu/oak/oak.html>
- 6D2X DX RADIO CLUB  
<http://bahia.cs.panam.edu/radio/6d2x.html>
- N5DU  
<http://www.paranoia.com/~bobevans/montserr/montsrat.htm>
- Antenna Restrictions  
<http://www.hamweb.com/~sjl/STONER/ANTENNA.html>
- NETWORK TIME SERVICES  
<http://tycho.usno.navy.mil/ntp.html>
- Central AZ DX Club  
<http://www.getnet.com/~kf7ay/cqwwty.htm#eimenu>
- N7RK Home Page  
<http://www.getnet.com/~davidh/index.html>
- Amateur Radio in Hawaii  
<http://www.pixi.com/amateur-radio/>
- W1AW  
<http://www.arri.org/>
- Angie Marosko  
<http://www.neosoft.com/~amarosko>
- Compuserve Ham Web  
[http://www.hamweb.com/~sjl/HamNet\\_Companion/](http://www.hamweb.com/~sjl/HamNet_Companion/)
- Shortwave/Radio Catalog (Page 1)  
<http://itre.uncecs.edu/radio/>
- RSGB  
<http://www.rsgb.org/rsgb/>
- Shortwave/Radio Catalog (Pg 2)  
[http://itre.ncsu.edu/radio/RadioCatalogRS.html#SOLAR\\_TERMINATOR](http://itre.ncsu.edu/radio/RadioCatalogRS.html#SOLAR_TERMINATOR)
- NCJ  
<http://www.watnw.com/~ncj>
- Other Radio-related Web Home Pages  
<http://www.acs.oakland.edu/barc/radio.html>

---

**Digital QSLs, de Peter Jennings, AB6WM**

---

As W6QHS has pointed out, it doesn't make much sense to transport a piece of cardboard half way around the world to confirm a radio contact.

The technology now exists to send a QSL confirmation via Email or packet using public key cryptography for message authentication.

Following is an example of a digitally signed Email QSL. The message is not encrypted, but "signed" with a PGP signature which is a function of the message contents.

—BEGIN PGP SIGNED MESSAGE—

V31DX is pleased to confirm the following QSO(s):

Call Date UTC Band RS

## The TDXS Bullshead

W6QHS	28-Oct-95	0654	80	59
W6QHS	28-Oct-95	0754	40	59
W6QHS	29-Oct-95	2331	20	59
W6QHS	28-Oct-95	1752	15	59
W6QHS	29-Oct-95	2135	10	59

73 & GL

John N6YRU, Vic K16IM  
Bill WA9L, Peter AB6WM

-----BEGIN PGP SIGNATURE-----  
Version: 2.6.1

```
iQCVAwUBMKTlJ8XVNA0sVNNNAQEFYQP+KJLn1/P5Cy
EJqXDUqYVLQsZaEZWlGf0Do2TsD3Lmp2nMzisWiVr8UN
hbOV2SvFXURE/ZjM4X9CIGBDsa8qd+dwHTS8O2/OxxTft
7kSSarFZMhnpUv9OKc11nxn6ze2PjvYjF2h7/kJ9kKyUjhs
mnE/nEn3E8tZ7CkTuxjCUBNis==nDdt
-----END PGP SIGNATURE-----
```

Anyone who has a copy of the V31DX public key can verify that the above message has not been altered and that it originated from V31DX. The V31DX public key is at the end of this message.

Technically, the level of security is extremely high. It is virtually impossible to modify the contents of the message and have the signature validate correctly. The degree of security depends only on the confidence you have that the public key came from the real sender, in this case V31DX.

In order for digital QSL confirmations to work, the ARRL, and other award granting bodies, need to collect public keys directly from the QSL senders and use them to authenticate digital QSLs submitted on diskette or via Email. Most of this can be automated.

The private key used to create the QSL message, and the password protecting its use, always remain with the sender of the messages.

### A MASTER LOG DATABASE

One way to simplify further the issuance of digital QSLs for contest and DXpedition logs, is to create a central site with all of the logs.

Digital QSLs could be issued from the site to be used for awards purposes. In that way, the QSLs would be available to anyone who wanted to request one via Email

or WWW. The site would be the digital equivalent of a QSL manager. It would not be necessary for the contest or DXpedition operators to answer individual QSL requests if their logs were available on the master QSL database. Nor would it be necessary for the award granters to do the database searching in order to validate each contact.

V31DX is pioneering this new approach to QSLing as a demonstration of the technology. Our logs are available already at

<http://mail.turnpike.net/~jc/v31dx.html>

and we will soon be sending Email QSLs like the one above to all who request them. (When the program to automate the process gets written).

The next step is to generate discussions among the award granting bodies in order to specify a standard for the types of digital signatures that would be acceptable. After that, it's a simple matter of programming ;)

73  
Peter AB6WM

---

### For Sale, de John, K5EC

I am selling an FT-1000D with all filters, base mike (MD-1), SP-5 External Speaker with Phone Patch, DVS-2 Digital Memory Recorder, Alpha 87A, Timewave DSP-9, ICOM DuoBander (IC-3230H), Five Band Cubical Quad Antenna, DX Solutions Smart Antenna Switch-6 with relay box, wads of I.C.E. RFI Equipment, Yeasu DuoBander (FT8500), 2 meter FM transceiver (IC-229H), Pakratt 232 MBX with updated chipset. Let me know if you are interested. John K5EC.

---

### DXpedition to YN

**ED GERBER, WD5IQA** will be operating from YN during his vacation this month beginning December 19.

Look for him around 14.250, 21.250 AND 7.150, ALL +/-.

---

### The QRPer, de Paul M. Dunphy VE1UK

One of the Local QRPers was by the other day. "What's new in the world of DX?" we asked, hoping to get things off on a positive note. "Been working anything new?" The QRPer sat sown and looked at us for a moment, then replied "Oh yes, I've been working a lot of DX . . . and good stuff too. New ones overall, and at the bottom of the cycle." We were becoming curious because in spite of the new DX, the QRPer was not happy. "I'm wondering if I'm wasting my time?", he asked.

## The TDXS Bullsheets

We were not following the flow here. "If you've been working lots of DX, especially new ones, why the dejected look?", we asked, not really wanting to hear the answer. This was a nice fall day and we weren't sure we were up to listening to yet another argument. So before the QRPer could answer, we took the offensive, "Why, BS7H, BV9P, ZL9GD and XZ1A have all been on in the past while. We heard you work them all! That kind of DX is sunspot maximum stuff, not DX to be worked when the flux is 70! All the locals have been logging these stations and it feels like back in 1989-1990 when the flux was 250. What more could a true blue DXer ask for?"

The QRPer was quick to reply. "That's the way I was looking at it", he replied, "but I was talking to my cousin, East-Coast Bob, this last week. East-Coast Bob is a true blue DXer and when he speaks, we all listen." We'd heard about East-Coast Bob quite a few times before and, although we suspected he was a charter member of the Legion of Hand Wringers, we decided to not to comment. After all, Bob was the QRPer's cousin and our mother had taught us not to comment on other's relatives! So we put forth a poker face and simply said, "Tell us more."

The QRPer leaned back in his chair and said, "Well, the way East-Coast Bob tells it, there isn't any point in working any of this DX. Bob says that all the east coast guys spent a lot of late nights and early mornings waiting for this new DX, and now that they've got it worked, the league won't count it! He said that it's a waste of time working new ones that will never count. He said that we Suffering-Sixes can nail these new ones as soon as they show up, but the east coast has to wait hours just to get the short lived far-east openings, and when they finally do work the DX, they don't count! Well, I'm here to tell you, East-Coast Bob is right! Whether we get them in one call, or you catch the short openings, it doesn't make a bit of difference. Bob says there is no point of working DX that will never count. He says the league is stalling the process of accreditation because not enough members of the DXAC and the ARRL directors have worked the DX! And I think he's right!"

Son of a Gun! We'd heard this argument before, and although we weren't about to tell the QRPer, we were convinced the ARRL didn't make DXCC accreditation decisions based on who in the league had worked them. So, we hauled the QRPer up the hill to the Old Timer. The QRPer repeated his story, complete with arm-waving and praise for the opinions of East-Coast Bob. The Old Timer looked at the QRPer for a few seconds and then asked, "Why do you work DX?" The QRPer looked a bit confused and finally stammered out "So I can add to my DXCC totals . . . so I can get stickers for my DXCC

certificate. So I can get my call in QST. Why else would anyone work DX?" The Old Timer was silent for a moment, then he retorted angrily, "It sounds to me like you haven't even begun to grasp the meaning of DX IS! You don't understand one of the fundamental Mysteries of the Ages . . . and, to top it off, you listened to someone who understands them even less than you do! Why are you wasting our time?" And with that, he turned back to the rig. It was clear that was all he was going to say.

We walked back down the hill with the QRPer and he glared at us with his beady little eyes and asked, "What did I say wrong? I know the true meaning of DX IS! I just explained it to him. I think he might have missed one of those calls I mentioned and that's why he's grouchy. What do you think?" Son of a Gun! We knew the Old Timer hadn't missed any DX in a long time . . . longer than we cared to remember! What could we say? "Probably you're right." we replied, knowing this was a lost cause. The QRPer smiled knowingly and strolled off to call East-Coast Bob with his new found knowledge. We had to think this one over for quite awhile. We made a note in the log book to remind ourselves to hide the next time we saw this particular QRPer coming! There are some things in this world of DX that defy explanation . . . and this QRPer and his cousin were two of them!

Best Regards, Paul

---

### Scores

---

#### ARRL SWEEPSTAKES CW 95 - RAW SCORES

Compiled by  
WA4ZXA

CALL	OP/SECT	SCORE	QS0'S	SECTS	HRS
<i>Single/OP/QRP/Q</i>					
K2ZJ	WNY	125,400	825	76	
K2PO/7	ID	96,944	664	73	24
K9AY	CO	96,644	653	74	
WIMJ	CT	95,046	651	73	24
WA0RPI	IA	85,820	613	70	
<i>Single/OP/Low Power/A</i>					
KR0Y		209,286	1359	77	
K0EU	CO	190,152	1251	76	
KP4VA	op KP4TK	188,550	1257	75	24
N4ZZ	TN	173,866	1129	77	
N0AT		169,650	1131	75	
W7ZRC	ID	168,720	1114	76	
KM9P	op K7GM	167,960	1105	76	
W7RM	WWA	164,472	1068	77	
K09Y		163,856	1064	77	
K0LUZ	NFL	163,552	1076	76	
AD5Q		161,424	1062	76	
KZ8E		136,950	913	75	

The TDXS Bullsheets

W5NN	(OP KB5YVT)	130,000	870	75	
NJ1V	STX	62,780	430	73	14.3

Single/OP/High Power/B

W5WMU	(OP N6TR)	240,548	1562	77	
N5RZ	(OP K5GA)	231,000	1500	77	
K1ZX		224,960	1480	76	
K5GN		222,068	1442	77	
W6GO	(OP N6IG)	221,452	1438	77	
K6LL		219,450	1425	77	
NC0P	(OP AG9A)	219,296	1424	77	
KJ3V/7	NV	218,218	1417	77	
K4VX/0	(OP WX3N)	216,832	1408	77	
N6UR	(OP KR6X)	215,600	1400	77	
K5ZD		209,748	1362	77	
W5ASP		168,720	1111	76	19

Multioperator

AA5B		243,320	1580	77	
K7UP		222,684	1446	77	
KS9W	IL	194,348	1262	77	
KM0L		188,650	1225	77	
K6XO		178,024	1156	77	

Operator List for Multi-Op

Call	Ops	Submitted
K7UP	K7UP,KN5H	K7UP
AA5B	AA5B,K5TA,K9RS	AA5B
KM0L	KM0L,K0RWL,K0VBU	KM0L
K6XO	K6XO,W0MHS,N5CT,AB7GM	K6XO
KS9W	KS9W,AA9LX,KD5PJ/9	KD5PJ/9