



THE BULLSHEET



Official News Bulletin of the

Texas DX Society

An ARRL Affiliated Club

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

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Field Day Chairman	
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The Prez Sez - de Bill, K5GA

Happy New Year y'all. Sometimes a new year brings strange and unusual things out into the spotlight, and my being President of the TDXS can certainly be considered to fall into this category! Not to worry however. I fully appreciate and respect the opportunity to serve the club this year. I intend that those of us on the TDXS Board of Directors will strive to keep our club the premiere organization that we have been regarded throughout our history.

I'd like for each of us think about the following items. I feel they are important and should be the goals of our club in the coming months:

- Maintain our strong role in the **Houston Com-vention**. As shown by our performance last year, through our innovation, hard work, and presence, we help lift amateur radio a notch in the public's eye.
- Revitalize our participation in contesting and return our club once again to national prominence. I believe that our sponsoring the **Texas QSO Party** beginning this year will be a big start. This QSO party has the potential to rival the very popular California QSO Party in a few years. Remember that it was the TDXS back in 1983-86 that created and put on the "Armadillo Runs" and brought into being Armadillo County. These were events still highly regarded throughout the contest community and left lasting marks with our peers.
- Improve our **repeater system** so that the entire Houston area is adequately covered without any significant shadowing, "RF black-holes", etc. Jim, N5DC our new Repeater Chairman has already begun this process, and money will have to be spent to accomplish any substantial improvements. However, I feel it will be money well spent. Maybe

by having our repeater in excellent shape, we can garner a wider audience and find needed new members.

- Sponsor a **DXpedition** ! Yes, a bit unusual isn't it, but we are a DX club, and we do love working those expeditions don't we? This can be an excellent way to showcase our abilities to the amateur radio world. We have several members who enjoy travelling and operating. Why not make it a club effort and "do-it-up" big time? (Remember the TDXS venture to KP5? Hummmmm! Imagine what we could have made of it without the likes of Tommy, KD5SP and Chuck, K5LZO!)

So there you have my version of the TDXS "State-of-the-Union" message. With your help, we'll make all of these things happen. **LET'S GET ON WITH IT!**

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 meeting will feature the **Annual TDXS Banquet and Awards Ceremony** and will be held on **Saturday, January 11, 1992** at Birraporetti's in the River Oaks Shopping Center at 1997 West Grey. The site is located just east of the intesection of W. Grey and Shepherd Drive. Take the Shepherd Drive exit north from Hwy. 59 or south from I-10. The cost is \$15 per person and covers dinner, gratuity and prizes. Festivities should begin around 7:00 P.M. with a cash bar for those of such persuasion. Dinner is to served by eight, followed by a short meeting for the presentations. If you have not received (or returned) the mailing and are interested in attending, please contact Jim, N5DC, immediately.

All members are encouraged to attend this annual TDXS shindig. And be sure to bring your current "significant other". Our new Prez **Bill, K5GA** will delight you with his wit and wisdom. You'll have one last change to bash (or praise) the outgoing Board members, plus a look at the new crew for '92.

Weekly DX and Contest Net - Each Tuesday night at 2100 CST, i.e. **9:00 P.M. local time, the Texas DX Society sponsors a DX and contest net on 147.96/36 MHz.**

The purpose of this net is to exchange information of interest to DXers and contesters. The agenda includes gernal and club announcements, current DX information, contest information, QSL routings, and related topics. 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 free to join in.

DX Report

de Mike, AA5NK

(Though Mike, AA5NK was swept into the office of Secretary by an overwhelming majority, he accepted only on the condition that he could include DX affairs as one of his duties. Though there will be a "DX" Chairman on the TDXS Board of Directors, his efforts will be directed elsewhere. Who sez we ain't a sneaky bunch..ed)

The approach I plan take in putting together the monthly DX Report will be along the following lines.

- Notable DX appearances during the past month.
- Notable DX appearances scheduled to show in the next 30-60 days.
- Significant "band activity". Since quite a few of our group have essentially "finished-em-up" with the ZA and YA appearances, there should be a lot more interest in "band counters".
- Miscellaneous ramblings on whatever comes to mind.

This last month found **A61AC** active for a few days with a much needed appearance on 40 meters, and CW no less. Great! I feel this was a real "catch". Both 40 M and a needed CW contact. A61 has been next to impossible to get on CW.

This same group from Belgium was to go on to **9K2** on January 3rd. This is another tough one on CW. **9K2ZZ** has been on a some, as well as **9K2TK**. Hopefully, you will be able to get it in the log by the time you read this.

ZS6BCR and **ZS4TX** were on every band including the WARC bands this last month from Penguin Island as **ZS0Z**. Chris and Bernie followed propagation into North America very well. One could set their clock almost each night here, at least for the low banders. They would be on 40 meters around 2300Z; then on to 80 meters, and about 30 minutes before their sunrise (0303Z) show up on 160 meters. Now, that is the way to run a DXpedition! I don't know how they worked it for the other areas of the world.

Speaking of 160 meters, this may not be exiting to the old hand "Top Banders", but **ON4UN**, John Devoldere was on 1830 KHz around 0400Z working North America. It had to be the easiest and loudest DX I have ever worked on that band. He absolutely sounded like a strong local station. Unbelievable for 160 meters!

For those of us with more modest 160 M setups, the DX lands to the south of us has been fairly easy to work, all the way into South America. (Or maybe it has always been that way and my recent move from Wyoming is the real difference. Don't remember South America being that easy to hear in Casper!) There are more than 100 countries in this hemisphere. But many are not active on 160 M. Of those countries that are active, there are usually only a few that are on the air at any given time. So to get 160 meter DXCC, you have to go a step further and improve your station enough to work (i.e. hear) the Europeans, Africans or Asians. Otherwise, one hits a plateau around 60 or 70 countries.

Another approach is to encourage 160 M activity in those "nearby" countries. This means we ought to encourage DXpeditions to spend some quality time on 160 M. We could donate/loan equipment for this purpose. The six meter and RTTY fellows do this all of the time.

As we start sliding into the lower sunspot days, more activity will occur on 160/80/40. Working the needed ones becomes easier during these times as there is more traffic on the low bands. Now is the time to think about getting your low band system in shape. Then you can work some of the good ones in

finishing up those zones and countries on 80 and 160. Remember when the MUF went to 13.999.9 at night?

Looking at the other end of the spectrum (well almost), 10 meters has been outstanding this past month. Many of us have improved our country counts "this season". Notable 10 meter stations have been: **V63ES (KC6)**, **GD4PTV**, **4X4RE**, **J5AUA**, **5B4EIA**, **3B9FR**, **5V7RC**, **D68GA**, **A35MX**, and **ZS0Z**.

John, W5LLU has been doing a fine job of encouraging activity on the WARC bands with his spots on the PacketCluster. I know myself, I tend to forget about the WARC bands. Now I have them programmed into my band switch. You don't have to own a special WARC antenna either. Well not yet anyway. I am using my 3 element 40 meter yagi. Bill, **K1MM** has Worked All Zones on 10 MHz with his 2 element 40 meter yagi. Many of the recent DXpeditions have been active on the WARC bands, notably **ZS0Z**. **7Q7JH** was on 10 MHz and then a few hours later, I worked him on 80 meters.

9V1YC showed up on 40 meter CW long path on December 29th at 2259Z. There was a humongous pileup on the man! This is a real catch on 40 meters. Glad to have that one in the log book! **OK1IAI/YA** continues to show up irregularly. Mostly on 20 meter CW. He has been fairly easy to work.

Coming up January 17-23 will be the 1992 **Navassa Island** DXpedition headed by Randy Rowe, **N0TG**. This is to be a 160 thru 6 meter CW, SSB and RTTY operation. QSL to **N0TG**. Navassa is number 53 in overall, world-wide need according to The DX Magazine. I think the last operation there was in 1982 by the **KP2A/KP1** group. **N0TG** was last there way back in 1978. So there certainly should be a bit of a stir over this one.

A group of Russians are scheduled to go to **Afghanistan** in February/March. The group is mostly from Tadjikistan which borders Afghanistan. They will only go into the country about 50 miles and will stay within a Tadjik ethnic area. This will provide sufficient safety for them. **UJ8JMM** is one of the leaders of this DXpedition.

Before **Chuck, K5LZO** ran off to sea he was bragging up conditions on six meters. Several of the bulletins have even had a QSN column for six. Lacking exposure to this band, I will have to depend on reader input for reports. (Barbara, you have my mailing address!)

It appears that **Bangladesh, S21** is getting very close to fully legitimate amateur operations. Several individuals have been working with the government in this effort. I even heard that Martti Laine, **OH2BH** and his Ham Radio University (Hi!) training staff have been invited to come and teach as they did in Albania. As we have already seen, this is the one BEST way to start amateur radio in a country, and the one that will have the best chance of lasting results. There has been only limited operation from **S21**. Limited enough that the country has been in the top 50 of the Need List for the last 10 years. According to Chod Harris, "Editor and Keeper of the Needed Numbers", Bangladesh is now in fourth place behind three countries that were either active in 1991 or will be active in 1992. This will put **S21** right at the top.

Recently worked on 40 meter CW - **YU3PR/5B4** and **5B4ADR**. They both gave **YU2AJ** as their QSL manager. As **YU2AJ** is not in either the '91 or the '92 Callbook, does anyone have the address?

It is reported that **Kenya, 5Z4** will no longer license foreigners, whether they are travelling through or are based in Kenya. Down the road this will surely create another rare one. Maybe it will not take place after all, guess we'll have to wait and see.

ARRL DX Bulletin

LESOTHO. AFTER THEIR PENGUIN ISLANDS DXPE-
DITION, ZS4TX AND ZS6BCR ARE NOW PUTTING
7P8EN ON THE AIR. THEY HAVE BEEN WORKED ON
1824, 3524, 7007, 7024, 18070, 18145, 24900, 24964, 28024
AND 28445 KHZ. THIS OPERATION WILL CONTINUE A
FEW MORE DAYS. QSL TO ZS4TX.

DOMINICA. SIGNING J79DX ON LOW BANDS AND
WARC BANDS, AA5DX IS PLEASING CW OPERATORS.
HE WILL BE THERE UNTIL JANUARY 13. ON RTTY,
J73WA IS ACTIVE ON 15 AND 20 METERS. QSL TO
WAYNE ABRAHAM, 1430 RODNEY STREET, PORTS-
MOUTH, COMMONWEALTH OF DOMINICA.

TONGA. DF2UU, DJ1WM AND DL1SDN ARE OPER-
ATING A35DX, A35WM AND A35DN, RESPECTIVELY.
CHECK 1824, 3501, 7001, 10101, 14001, 18101, 21001,
24901, 28001 AND 50101 KHZ FOR CW, AND 1835, 3785,
7045, 14185, 18145, 21285, 24945, 28485 AND 50145 KHZ
FOR SSB. THEY PLAN TO MOVE TO AMERICAN SAM-
MOA ON JANUARY 7. QSL TO THEIR HOME CALLS.

AMERICAN SAMOA. KH8/DF2UU, KH8/DJ1WM AND
KH8/DL1SDN ARE SCHEDULED FROM JANUARY 7 TO
15.

ROTUMA ISLAND. THE THREE GERMANS OF A3
AND KH8 FAME WILL THEN ACTIVATE THIS SEPA-
RATE DXCC COUNTRY WITHIN THE REPUBLIC OF FIJI.
THEIR OPERATION WILL BEGIN ON JANUARY 18 AND
LAST UNTIL THE 31ST. THEY DID NOT KNOW THEIR
3D2 CALLS WHEN THEY LEFT FRANKFURT ON DE-
CEMBER 26.

KUWAIT. HAVING JUST FINISHED THEIR A61AC
OPERATION, ON7LX AND ON7TK ARE EXPECTED TO
BE BACK ON THE AIR ANYTIME NOW AS 9K2LX AND
9K2TK. WHILE IN THE UAE, THEY USED 7015, 18082,
21024, 21281 AND 28496 KHZ TO WORK NORTH AMER-
ICA. QSL TO ON7LX.

MACQUARIE ISLAND. ACCORDING TO VK9NS,
VK0WD HAS BEEN DELAYED DUE TO PROBLEMS
CAUSED BY ICE. THE ESTIMATED DATE OF ARRIVAL
OF THE SHIP IS NOW JANUARY 7 OR 8. VK0WD WILL
CONCENTRATE ON CW.

NAVASSA ISLAND. THE NOTG GROUP IS READY TO
OPERATE FROM THIS CARIBBEAN ISLAND FROM
JANUARY 17 TO 23. CHECK THE USUAL DX WINDOWS
FOR THE /KP1 CALLS OF KW2P, AA4NC, AA4VK,
WA4DAN AND NOTG. THEY WILL BE ON RTTY AND 6
METERS TOO.

NIGER. A COUPLE OF STATIONS ARE AVAILABLE
FOR QSO. JH4NMT IS ACTIVELY SIGNING 5U7M ON
ALL BANDS ON BOTH CW AND SSB. QSL VIA THE
JARL BUREAU. 5U7A WAS WORKED ON 7017 KHZ AT
2333Z ON DECEMBER 29. HIS QSL MANAGER IS WF4A.

MYANMAR. THE DXCC DESK HAS ACCREDITED
THE XY0RR OPERATION OF LAST SEPTEMBER. QSL
CARDS MAY BE SUBMITTED AT ANY TIME.

Contest Corner

de Joe, W5ASP

The mid season break is about over. The 1991-92 contest season which started last October and ended up it's first half the middle of December will resume the weekend of January 11th. If you missed the first half starting with the Cal QSO Party followed by the CQ WWs and the ARRL's SS, 160 M and 10 M events, you still have a chance to get in on the fun.

Take a quick look at the **Upcoming Events** elsewhere in this issue. There are some eleven contests set for the next five weeks. Included are some of the best of both worlds, the NA QSO Party and Sprints for the "stateside" contest fans and no less than five DX affairs. Somewhere in all of this there have to be some very enjoyable operating hours for even the "casual" contester, and certainly some new band-countries for the avid DXer.

There seem to be signs of a upswing in interest in contesting within the TDXS. Participation in the ARRL SS and the 10 M contest were definitely up from the past year or so. Part of this is due to the increasing use of the great contesting software provided by K1EA and K8CC.

For the first time user the usual "after-the-contest" reaction is pretty much the same. It goes something like this, "It took a little while to get the hang of it, but after that it really was a blast. It's a whole new way of having fun in the contests!". Anyone out there who hasn't tried using the computer/contest software during one of the major contests is surely missing one of the really neat new aspects of ham radio. Once you've tried it, you'll be hooked.

However, now that the agony of keeping paper logs, dupe sheets, and multiplier check lists is a thing of the past, there is still one obstacle left. You gotta get your score mailed in! And you gotta have TDXS marked on the summary sheet. All it takes is a few minutes after the contest to print out the results, drop them in an envelope and get it to a mail box.

Again and again I hear, "I was just playing around. Only a few Qs and some mults. Really not enough to send in." **WRONG!** If you got on the air and made even 10 Qs, it's a valued entry for TDXS. It helps the overall Club score and gives us a continued presence among the premier contest and DX groups around the country. This ain't no nickel and dime outfit. You're a member of one of the foremost DX and contest clubs in the business. Act like it!

It is understandable that with all the varied contests coming up weekend after weekend, there isn't time to get into all of them. OK. Just take a minute to look at the Bullsheat each month to see what's coming up (or even listen on the repeater). Pick your spot and set aside a few hours. Then jump in and have fun.

If you need to know the rules, there are lots of us that can fill you in, just ask. Also both CQ and QST usually have the details in the previous month's issue.

Lacking the contest software? There are earlier versions now available as shareware and entirely suitable for starters. (Once you get going you won't be satisfied till you have the latest version, available a nominal cost.) Any one of several of the more intense testers can tell you how to use it. An evening's playing around the computer will get you over the hump. If you need help with the finishing out the summary sheet, finding the mailing address, remembering the due date, etc., speak up!

Now go look again at the Upcoming Events. Pick out a couple of the ones that suit yllur fancy and put them on your calendar. **Then "go get'em tiger"!**

Texas QSO Party

de Joe, W5ASP

As most of you may know by now, the TDXS is taking over the responsibility for the annual **Texas QSO Party**. This event has been handled in recent years by the West Texas DX Association with help from the Big Bend and Midland ARCs. Now that the 5th District QSL Bureau has moved to Midland, Les, WF5E and the local crew are up to their "bippys" in the never ending flow of incoming cards. They just haven't the time or resources to keep both activities going.

For TDXS this presents the opportunity to dust off and bring out of the cellar one of our more famous contributions to ham radio...the Armadillo! **Yep, the Armadillos will be off and running again this year after a long absence.** (For those of you who don't know of this epic era, see the April 1986 QST, page 73. Just the cover itself is enough to stir the memories of those who were involved!)

This year's event will be scheduled for the weekend of **May 1-3**. The rules will be pretty much as in the past with a few notable exceptions. For example, there will be a "multi op" mobile category, special "Armadillo County" awards for out-of-state entries, and an internal TDXS competition involving TDXS member numbers. A complete set of rules will be released before the end of the month. Suggestions are welcome, but needed a.s.a.p., the stuff has to go to the magazines in late January.

To pull this off properly, we'll need not only help from within TDXS, but support from around the state. We'll be contacting other Texas clubs for commitments for mobile and fixed station activity. Our Prez, Bill, K5GA is looking around for someone to head up this effort. Who's got the moxie to speak up? Remember you guys supported the idea at the last meeting!

And now is the time to gather up your HF mobile gear, figure out how to stick it in or on the new set of wheels, and get it out on the road for a smoke test. In addition start rattlin' some cages around the state among your buddies in the outlands. Get 'em signed up to help out. (Somebody give Tommy and Eric a shout and make sure they're onboard.) Yep, I know it's not till May, but it ain't that far off.

We'll get back with you later with more details.

DX Packet Clusters

Bulletin - Just at press time the word arrived that the TDXS Contest and DX PacketCluster, operating on 14.930 MHz with the call **K5DX**, is now up and running. The new node is being operated by Rich, **K5WA** from his home in southwest Houston. It is linked to **KC5SC** and thence into the existing network. This is a "no-frills" node intended primarily for DX spotting. It lacks the powerful features of **KE5IV**, but will offer some of the local Houston stations a more direct path into the system. A shift to another frequency could occur at any time. (And yes, we'll get back to you with more details later..ed)!

The Waller County Contest and DX PacketCluster Bulletin Board (PCBS) is located in Hempstead, Texas and operates on 144.990 MHz with the call **KE5IV**. A digipeater node operating on 144.990 MHz with the alias **HOU99** is located in the Stafford area to provide access to this PacketCluster for users in the southern part of the greater Houston area.

A second node with the alias **MAG99**, also operating on 144.990 MHz, is located near Magnolia and gives better access to those users in the northern part of Houston. The preferred procedure is to first connect with the digipeater node and then connect to the PacketCluster following the instructions as given. Please leave the cluster with the command **BYE**.

There is a second port operating on 144.910 MHz, also under **KE5IV**'s call. This affords local stations with higher ERP generally those on the west side of Houston, the option of connecting directly with Hempstead and getting somewhat better response.

The Galveston County DX PacketCluster, located in La Marque, is active under the call **KC5SC** and operates on 144.930 MHz and 144.970 MHz. It is usually connected with **KE5IV** via the 446.100 MHz backbone link. Stations in the southeastern parts of Houston may find it easier to connect with this cluster.

AB5A located in Dickinson about 10 miles northwest of **KC5SC** operates the Texas Gulf Coast DX PacketCluster. This node is regularly connected to the **KC5SC** PacketCluster via 446.100 MHz. This cluster features a 40 Meter HF Gateway on 7.089 MHz which runs 600 watts into a 2 element yagi at 80 feet. Local users may also access the node via ports on 145.01/03 MHz.

In addition to listing current DX spots, the system provides access to a wide variety of DX related information such as the **W6GO** QSL Manager list, Russian oblasts, **WWV** propagation, beam headings, etc. Users are requested to limit their use of these "databases" to off-peak hours so as to minimize the side effects on others. A quick check of the status shown in the opening message which appears upon connection will indicate the number of nodes/users active at the time. Otherwise all users are encouraged to query the various data banks and make full use of their many features.

Contest News

Claimed Scores

CQ WW DX SSB

W5WMU (w/**K5LZO**,**WB5RUS**,**AK5B**,**WB5N**,**KE5IVF**)
1958 Q x 139 Z x 461 C = 3.2 M

ARRL 10 Meter

NR5M (SSB).....3005 Q x 151 M
KE5FI (SSB).....2808 Q x 154 M
KI3L/5 (Mixed)...2062 Q x 208 M
K5WA (CW).....886 Q x 118 M
N5RP (Mixed).....724 Q x 141 M
AA5NK (CW).....294 Q x 89 M
NN5O (SSB).....624 Q x 91 M
K2UA (?).....650 Q x 90 M
AK5B (?).....276 Q x 132 M
K5GA (CW).....170 Q x 63 M
AC5K (CW).....286 Q x 73 M
K5RC (Mixed)....362 Q x 121 M
W5ASP (CW, Assisted)...1000 Q x 125 M
K5LZO/MM (Mixed).....447 Q x 138 M

ARRL 160 Meter

AA5NK.....185 Q x 62 M
W9AGH.....150 Q x 60 M

The TDXS Bullsheet

Outgoing QSL Cards

The ARRL provides a service to its 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 **KG5U**, 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 current ARRL DXCC Country List. This means that the prefixes 4N, YT, and YZ go with the Yugoslavians, XQ and 3G with Chile, AZ and L2 to Argentina, etc. **Keep in mind recent changes. ES, LY and YL are no longer included with the "Russians".** The "East" Germans now go with the DL's. However, it is not necessary to sort within a given country, i.e. all Russian Republics in their new "Commonwealth" may be lumped together; don't sort RA, UT, 4K, etc. separately.

Also remember that QSL's for DXpedition operations usually go the country of the operator, e.g. XU1NQ via OK1NQ, 9L1SL via DJ6QT, 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 (KH0, KH4, KH9, etc.) and countries such as Qatar, Montserrat, Nepal, etc. A complete list currently appears in the **January 1992 QST, page 59** along with additional information about the ARRL Outgoing QSL Service.

Finally, each TDXS member must include a current QST address label with each group of cards he wants sent to the bureau. Contact Dale, KG5U if you have any questions (before you drop the cards on him!).

Incoming QSL Cards

The ARRL DX QSL Bureau consists of a number of separate call area bureaus that handle the incoming QSLs arriving from foreign countries. This service is free of charge and does not require ARRL membership. For the Fifth Call Area the address is: **ARRL W5 QSL Bureau, P. O. Box 50625, Midland, Texas 79710.** Full details about this ARRL service appeared in the **January 1992 QST on page 58.**

To claim cards ARRL recommends sending the bureau a number of 5 x 7 1/2 in. SASEs. To assist TDXS members in this Bob, AK5B, has obtained a supply of envelopes. He will provide 10 of the 5 x 7 1/2 envelopes along with a single 6 x 9 in which to mail them to the bureau for \$1.00. If you are interested, catch him on the repeater or call a day or so before the monthly meetings.

For those who expect to receive large quantities of cards here are a couple of suggestions. (1) Place \$1.25 postage on each 5x7 self-addressed envelope, (2) Have the post office stamp "THIRD CLASS" in the lower left, (3) Attach a label "50 Cards Minimum" beneath the "THIRD CLASS", (4) Put your call in the upper left and (5) Number the envelopes consecutively (so you will know where you stand as you receive them back from the bureau).

This approach will save a lot of agony with postage due and avoid small mailings which use up envelopes needlessly. The time delay in using Third Class won't be noticeable.

With the shift in the W5 Bureau to Midland, there has been a tremendous effort to clear up the backlog of cards. Lots of 5th District hams have cards waiting on them. Please at the bureau. Please pick them up soon.

Upcoming Events

January 11.....	North American QSO Party - CW
January 11.....	TDXS Annual Banquet
January 18.....	North American QSO Party - SSB
January 18.....	HA (Hungarian) DX CW Contest
January 18.....	ARRL VHF Sweepstakes
January 24.....	CQ WW DX 160 M CW Contest
January 25.....	REF (French) CW CONTEST
January 25.....	UBA (Belgian) SSB Contest
February 02.....	North American Sprint - CW
February 08.....	PACC (Dutch) Contest
February 09.....	North American Sprint - SSB
February 14.....	TDXS Monthly Meeting
February 15.....	ARRL DX CW Contest