



# The Bullsheet

The Official News Bulletin of  
The Texas DX Society  
An ARRL Affiliated Club

The Texas DX Society, Houston TX K5DX@tdxs.net April 2019



## TDXS April Meeting:

Thursday 7:00PM April 18

Tracy Gee Center  
3599 Westcenter DR  
Houston TX 77042

TDXS pre-meeting Dinner:  
Thursday 5:30PM April 18  
Pappas Bar-B-Q  
9797 Westheimer RD  
Houston TX 77042



## Editor's Note by Allen Brier N5XZ

April is here and it is getting warmer outside. The weather is actually pretty nice (when the rain isn't going sideways, anyway!) I hope there is more DX being worked with the additional daylight hours. I'll tell you, if I had my druthers, we would have DST all year 'round! I love the extra hour of sunlight in the afternoon / evening. More time for working on antennas, too.

I hope everyone had a great time at the Greater Houston Hamfest last month. This was the first one I have missed in many years, since I worked in Alaska, anyway I think. Not only was I working that day, but I had to work Sunday as well. I put it 88 hours that week and 72 the following. This week I am so far look-

ing like only about 76 hours. Ka-Ching!

As I mentioned last week, **FIELD DAY** is coming up! Again, this will be a joint FD with BVARC, KARS and Echo. We are hoping for an even better setup than last year. It was our first time at Duhacsek Park in Sugar Land. We are working out some kinks we had last year, so the setup will be better, quieter, cooler and more exciting. We have decided to repeat our all K3 **Field Day**, and as of the time of writing this, I have six (6) promised out of ten (10) minimum we need. If you plan to attend, or know someone who is, who has a K3 or K3s, please consider bringing it or letting who else may have one me know so that I can contact them to request it. It wouldn't

hurt to have a spare or two, just in case. We have decided on all K3's to have a common operator interface at all stations and because of its great transmit cleanliness and strong signal rejection in contest applications. We will also use N1MM+, as we have been doing for a number of years now. We also plan to offer K3 training before and during **FD** for those unfamiliar with this great radio. I sincerely hope all who reads this can make it to **FD** and join in the fun. Actually, we need good, experienced TDXS (or other) contest operators so that we can sail back into the top-ten in the scores.

Be there or be square!

73 Allen 'XZ

## *Inside this issue:*

The Prez Sez by Robie AJ4F	2
TDXS Meeting Minutes by Doug WB5TKI	3
<b>DX Chairman's Report</b> by Orville Burg K5VWW	4
<b>Contest Chairman's Report</b> by Jim Burrough N5DTT	5
<b>Where in the World is...</b> By Ron Litt K5HM	7
TDXS table at the Greater Houston Hamfest was a success! By Larry Daze KB5WWW	9
<b>The FCC and ARRL has heard us!!!! By Ted Rappaport N9NB</b>	11
TDXS Board Members	13
TDXS Birthdays	13

## The Prez Sez by Robie, AJ4F

The Prez Sez

April 2019

The TDXS table at the Greater Houston Hamfest on March 23 was a success. I had extended conversations with several individuals about our club and invited them to attend an upcoming meeting. At least one guy mentioned our Facebook page. He wasn't very impressed because most of the information was old. I wrote about this last month and I have not heard anyone express interest in managing it. We are missing out on a great opportunity to sell the TDXS to a new audience.

At the March dinner meeting we had a total of 4 attendees! The main driver for moving our monthly meeting day was to increase attendance/participate. Hopefully, this does not predict the future. I've written and spoken a lot about membership levels. We're down to a very small active core group and we desperately need some "new blood" to revitalize our organization. I hoped that taking on sponsorship of the Texas QSO Party would encourage a few individuals who have not been very active to step up. Each of us have interests that generate enthusiasm and an event like the TQP produces opportunities that we have not seen before. The real need that I see is to find individuals who are interested in driving the TQP effort in future years. Anyone who is interested in a future role has an opportunity to be mentored by the guys who in charge now. The time to volunteer is now!

I've been experimenting with a SDRplay receiver. It's kind of broad band – 1 KHz (yes KHz!) to 2 GHz! Demodulates most all modes and you can receive up to about 2 MHz at one time. A really cool device. Here's a link to the manufacturer's website: <https://www.sdrplay.com/>.

I have found that it rivals the receiver in my K3 under some conditions. I use it as a second receiver and have been able to copy some DX better than using the K3. It can also be used as a spectrum analyzer. Most of the processing power for the SDRplay comes from my PC. The developers have produced an incredibly powerful package called SDRUNO. This software has a very flexible user interface. I have never used a Flex radio, but from what I see the SDRplay is very similar, however it is only a receiver.

Another experimental activity of mine is the BOG (Beverage on the Ground) antenna. I've been focusing on 160 Meters DX this winter and a ham (K4NA) in Alabama brought this antenna to my attention. One of the issues on 160 is noise, more specifically, signal to noise ratio. Often the DX is there, just nearly impossible to copy due to the noise. The BOG is a low gain antenna that significantly improves the SN ratio. I have made comparisons between the BOG and my vertical. In many cases, the BOG is better. I don't have lab measurements to demonstrate the difference, just 5-6 additional countries in my log! The BOG is cheap, less than \$150 including the 75 ohm feedline. One negative, it's long – 265 feet! I plan to discuss this antenna at a future TDXS meeting.

73,

Robie – AJ4F

---

# TDXS Meeting Minutes by Doug Seyler WB5TKI

## TDXS March 2019 Meeting Minutes

**Date:** March 21, 2019

**Location:** Silver Palace Chinese Buffet, Houston, TX

**Attendance: Members:** Doug WB5TKI, Orville K5VWW, Robie AJ4F, Jim N5DTT

March was a dinner meeting month, and it was held at the Silver Palace Chinese Buffet on Bellaire in Houston. The turnout was very light, but those who did attend had a good meal and a good discussion of club funding for DXpeditions. Orville introduced a draft ranking system for requests based on the following criteria (maximum points are in parentheses):

- DXCC Most wanted rank (*max 100*)
  - Budget (K\$) (*max 100*)
  - # of operators (*max 30*)
  - Bands (*max 30*)
  - # of stations (*max 30*)
  - Hours of operation per day (*max 10*)
  - Length of DXpedition in days (*max 30*)
- # of QSOs proposed (K) (*max 40*)

Each category is weighted, with the total possible point count of 370. Under this system, a small, short trip to Belize may only garner 35 points, while a large, expensive, much needed DXpedition like South Orkney may garner 265 points. With the club's limited budget for DXpedition support each year, a ranking system such as this could help to rationalize our decisions on funding.

73,

Submitted April 4, 2019

Doug Seyler WB5TKI

TDXS Secretary



## DX Report by Orville Burg K5VWW

**Norfolk Island – VI9NI** active until **April 15th**. Most of this activity has been on low bands 160-17M. Good signals have provided many QSO's.

As a follow up to Norfolk Island, **VK9CZ - Cocos (Keeling)**, will be active between **November 12 and 27**. Activity will be for 18 days on SSB, CW and FT8 on 1.8 - 28 MHz. See <http://www.vk9cz2019.com> for more details. VK9/C rank Nr. 90 on the Club Log needed list

**C5DL – Gambia** currently active on all bands 160-10M. until **April 15<sup>th</sup>** by 5 DL and one SP operators. OQRS QSL via <http://www.dl7df.com/c5/oqrs.php>

**J20DX/p - Djibouti** Watch for this one **April 14<sup>th</sup>-20<sup>th</sup>**. Operating from islands in the Gulf of Aden, **IOTA – Ø53 & Ø59**. See <https://j20dx.com> for more information.

**4E8T - Tawi Tawi Island (Philippines)** will be active **April 19<sup>th</sup> – 23<sup>rd</sup>**. 40M-20M CW, SSB, Digital.

**JD1BMH - Chichi Jima Island - Ogasawara (Bonin) Islands, April 28<sup>th</sup> – May 4<sup>th</sup>** by JG7PSJ. 40M-10M CW, SSB, RTTY. Unfortunately no low bands!

### -SPECIAL NOTE-

**Madison, W5MJ**, and 7 friends will be operating from the **Marquesas Islands** island of Hiva Oa for 10-12 days between **November 6<sup>th</sup> -November 19<sup>th</sup>, 2019**. The Marquesas Islands rank #60 on the Club Log DXCC needed list. All bands 160m-10m on CW, SSB and FT8. Keep posted for more information.

Please continue to monitor the main page of the TDXS Web Site, [www.TDXS.Com](http://www.TDXS.Com), for updates to activity on the bands.

Good DX,  
Orville, K5VWW



## Contest Chairman Report—by Jim Burrough N5DTT

Hello again. Contest pickings for April are thin. However, that does not mean there is nothing to do this month. The one ARRL contest is the **Rookie Round-up Phone** contest on April 14. This would give a lot of us a great opportunity to make some contacts with the newer members of the contesting community. The day before that short contest is the 24-hour **Texas State Parks on the Air** event that might provide us an opportunity to fine-tune any low-band antenna changes we made after the March contests. There should be several portable station operations on the air from the many parks around Texas. The one international contest this month is the **Holyland DX Contest** on April 19.

There are also several State QSO Parties in April. If interested, please consult the **WA7BNM Contest Calendar** at <https://www.contestcalendar.com/>

Listed below are the results of TDXS member scores as reported to the 3930scores.com website for the contests that occurred in March.

### ARRL DX Contest SSB

#### SOAB QRP

Call	SO2R	Remote	QSOs	Mults	Op Time	Score	Club
WB5TUF			67	54		10,854	TDXS

#### SOSB/20 HP

Call	SO2R	Remote	QSOs	Mults	Op Time	Score	Club
WB5TKI			20	17	1.5	1,020	TDXS

### Russian DX Contest

#### SO CW HP

Call	SO2R	Remote	CW Qs	Ph Qs	Countries	Oblasts	Op Time	Score
KØNM		x	273	0	63	4	9	62,176

#### SO Mixed HP

Call	SO2R	Remote	CW Qs	Ph Qs	Countries	Oblasts	Op Time	Score
K5GN(@W5KU)		x	886	143	225	48	24	1,134,042

### BARTG HF RTTY Contest

#### SOAB LP

Call	SO2R	Remote	QSOs	Countries	Call Areas	Continents	Op Time	Score	Club
KG5U			148	16	31	4	14:31	27,824	TDXS



## Contest Chairman Report—by Jim Burrough N5DTT

The TDXS Table at the Greater Houston Hamfest seems to have been a valuable effort in getting ourselves out there in the regional Ham community. I know that the hour I spent at the table provided some great opportunities to meet folks who may be interested in DX and/or Contest operations. One thing that became very evident to me was the lack of club facilities where experienced members and new Hams could get together in a club station environment. I remember the now-deceased Houston Amateur Radio Club (HARC). Every Friday night a stable group of experienced members were in the Ham Shack portion of the building with the radio fired-up. The HARC building was not in the best section of town but was convenient to the South Loop and had plenty of parking. They had a good tribander on a 50-foot tower and had some 40- and 80-meter dipoles up.

They were a friendly group and always were open to new Ham questions. Other than the fact that many of them were heavy smokers, the Friday night sessions were pleasant, interesting and very beneficial to new Hams. One member of the group, the late Mick Lang, WB5RSS, took me under his wing. He conducted the club's Novice Classes and had taught me CW and given me my Novice test. He lived close to me and was always willing to take time for any questions or concerns I had. When I passed my Technician Exam, he was my first Amateur Radio contact. He got me interested in Public Service communications and guided me through a lot of details regarding antenna construction. I could not have asked for a better Elmer.

I think that is one of the things missing from the current climate of Amateur Radio. Very few clubs have clubhouses or facilities where the members can get together over a radio connected to a permanent antenna system. Facilities are expensive to purchase and maintain so it is no surprise that few clubs have them. Often, the best we can do is a Field Day operation where there are multiple radios and antennas with experienced operators available to assist the less experienced Hams. It can be a great learning opportunity for new operators. The trouble is that Field Day comes but once a year. That leaves a lot of year where the new folks are, again, on their own.

Maybe the solution is someone or a local group with access to a well-equipped station to host a multioperator effort like the Multi-Multi station that our TDXS Member Richard King (K5NA) and his wife (N5DU) had in Manor for the ARRL International DX Contest last month. I was invited but had to decline because I was in Florida visiting relatives. I hope I get another invitation as it would certainly be a fabulous learning experience.

Short of someone winning a lottery and having resources suddenly available to sponsor a facility and build an antenna farm, we may be stuck with the status quo. But if the local clubs could get together and discuss the possibility of combining resources, we may have the opportunity to put together a local Multi-Multi operation where the clubs provide the financial support needed for a major educational and contest effort. I think it would be both beneficial and fun. At least it is something to think about.

Jim, N5DTT

---

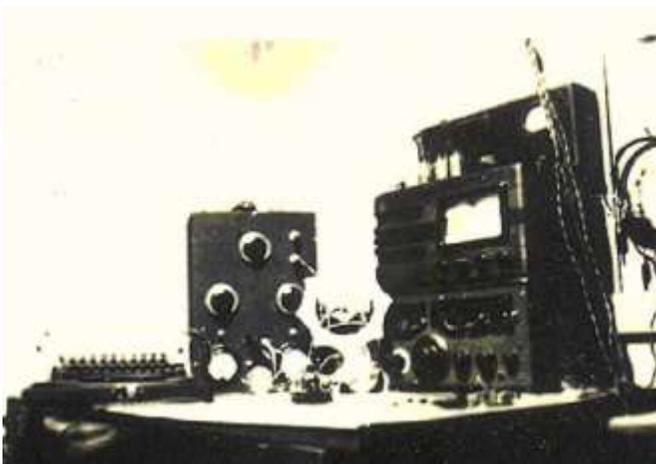
## Where in the World Is...by Ron Litt K5HM

**St. Paul Island** is a small uninhabited island located approximately 15 mi northeast of Cape Breton Island, Newfoundland in the Gulf of St. Lawrence.

It is at the northern end of the Appalachian Mountains; the highest point is 485 feet atop "Croggan Mountain."

St. Paul Island is approximately three miles long by one mile wide at its widest point. It is extremely rugged with its shores being completely encircled by rockface cliffs.

The only land mammals inhabiting the island are rabbits, which were set loose after the lifesaving station was established in the late 1800's. The ramp and massive rowboat for 10 men were still there in 1950. An enormous house also used by the radio range station operators and families up to the 1950's. The remains of a WWII Royal Canadian Air Force radar station is also still there. It is also inhabited by numerous seabirds.



There are also two small lakes in the interior stocked with trout. Its ecosystem is considered fragile and due to the danger posed by visiting the island, visits must be cleared beforehand with the Canadian Coast Guard.

The island is nicknamed the "Graveyard of the Gulf" (of St. Lawrence) as it is fog-bound throughout much of the navigation season and posed a significant hazard during the Age of Sail.

A lighthouse was first established on the island in 1839. This lighthouse burned down in 1916. It was eventually replaced by an automated system in 1962.

With the light station now automated using solar power, the island sees few visitors, aside from Canadian Coast Guard helicopters on maintenance trips. The island used to host a Marconi wireless station and it still sees occasional amateur radio operators who use the callsign prefix CY9. Other visitors include birdwatchers and SCUBA divers.



Expeditions to the island for amateur radio purposes take place in the summer months of July or August. The Coast Guard will no longer give permission to use the remaining buildings on the island, all in poor shape, so operation takes place from tents. Before July and after August the weather becomes too severe and unpredictable to permit a safe activation. The latest DXpedition, an American team plans to be on the island August 1 – 11, 2019 with call sign CY9C. The island is number 70 on the ClubLog DXCC Most Wanted List.

## Where in the World Is...by Ron Litt K5HM

On the opposite side of the continent from the Gulf of St. Lawrence lies the other St. Paul Island. Part of the Pribilof Islands group, off the coast of mainland Alaska, in the Bering Sea, The Siberian coast is roughly 500 miles northwest. About 77 square miles in total area, it is the largest of the group. St. Paul is mostly rocky and are covered with tundra and a population of 457 humans.



The Pribilofs, were discovered in 1786 by Russian fur traders; no Alaskan natives are known to have lived on the island prior to this point. They named the larger island to the north St. Peter and the smaller St. Paul.

In 1788, the Russians forcibly relocated **Aleuts** from mainland Alaska to the Pribilofs to hunt **fur seals**; their descendants live on the two islands today. After the Civil War, the U.S. purchased Alaska from the Russian Empire for \$7.2 million. It became known as Seward's Folly, for the Secretary of State who brokered the deal. Others though, praised the move for weakening both the UK and Russia as rivals to American commercial expansion in the Pacific. Twenty years later, gold was discovered in Alaska.

In 1870-1910, the Alaska Commercial Company was awarded a sealing lease by the U.S. Government. By the end of that period, the fur seals had been severely over-harvested. The 1910 **Fur Seal Treaty** ended private sealing on the islands and placed the community and fur seals under the U.S. Bureau of Fisheries.



The climate of St. Paul is Arctic maritime. The Bering Sea location results in cool weather year-round and a narrow range of mean temperatures varying from 19 to 51 degrees Fahrenheit. Average precipitation is 25 inches, with snowfall of 56 inches. Heavy fog is common during summer months.

So, what's to do on St. Paul Island? If you like birds, fish or seals, you are in luck. St. Paul is a port for the Central Bering Sea fishing fleet. Two seafood processing plants process cod, crab, halibut and other seafoods in St. Paul. Think, *Discovery Channel's, Deadliest Catch* reality show.



There is also a reindeer herd on the island. Residents subsist on halibut, fur seals, reindeer, marine invertebrates, plants and berries. Sounds, delicious.

Ham radio? Oh, I got so carried away, I forgot to mention that. Well, it is only 500 miles from the east coast of Russia. If you are working on your 5 Band DXCC, you can probably pick up some of that good DX you need for 80 and 40 meters. There is no recent record of any

DXpeditions, to this St. Paul Island. In WWII, the Japanese threatened the island but even they sailed on past. St. Paul is so rare, that it does not even appear on ClubLog's Most Wanted DXCC list.

Reporting from the Dark Side, Ron Litt, K5HM



## TDXS table at the Greater Houston Ham Fest was a Success by Larry Daze KB5WWW

The Texas DX Society had a table at the Houston Ham Fest on Saturday March 23. We promoted contesting, DX'ing and the Texas QSO Party. We had many people that visited the table, and talked to them about the TDXS activities, including the Texas QSO Party.

Several people noticed that TDXS was the new sponsor of the Texas QSO Party.

Nizar Mullani – K0NM, had a Field Day sign up sheet on the table and we got 22 people who were interested enough in Field Day to sign up for more information on the Mega Quad Club Field Day event.

Bob Walworth – N5ET was there checking QSL cards, a public service that was much appreciated.

Several people expressed interest in our club, and we had one new member sign up on the spot.

I want to thank and acknowledge the TDXS members who worked our table and promoted our events and activities to Ham Fest attendees, they made the event a success for us.

Doug Seyler – WB5TKI, Jim Burrough – N5DTT, Don Daze – N5DD, Bob Walworth – N5ET, Orville Burg – K5VWW, Robie Elms – AJ4F, Jerry Muller – K9GEM, Keith Dutson – NM5G, Nizar Mullani – K0NM, and Larry Daze – KB5WWW.

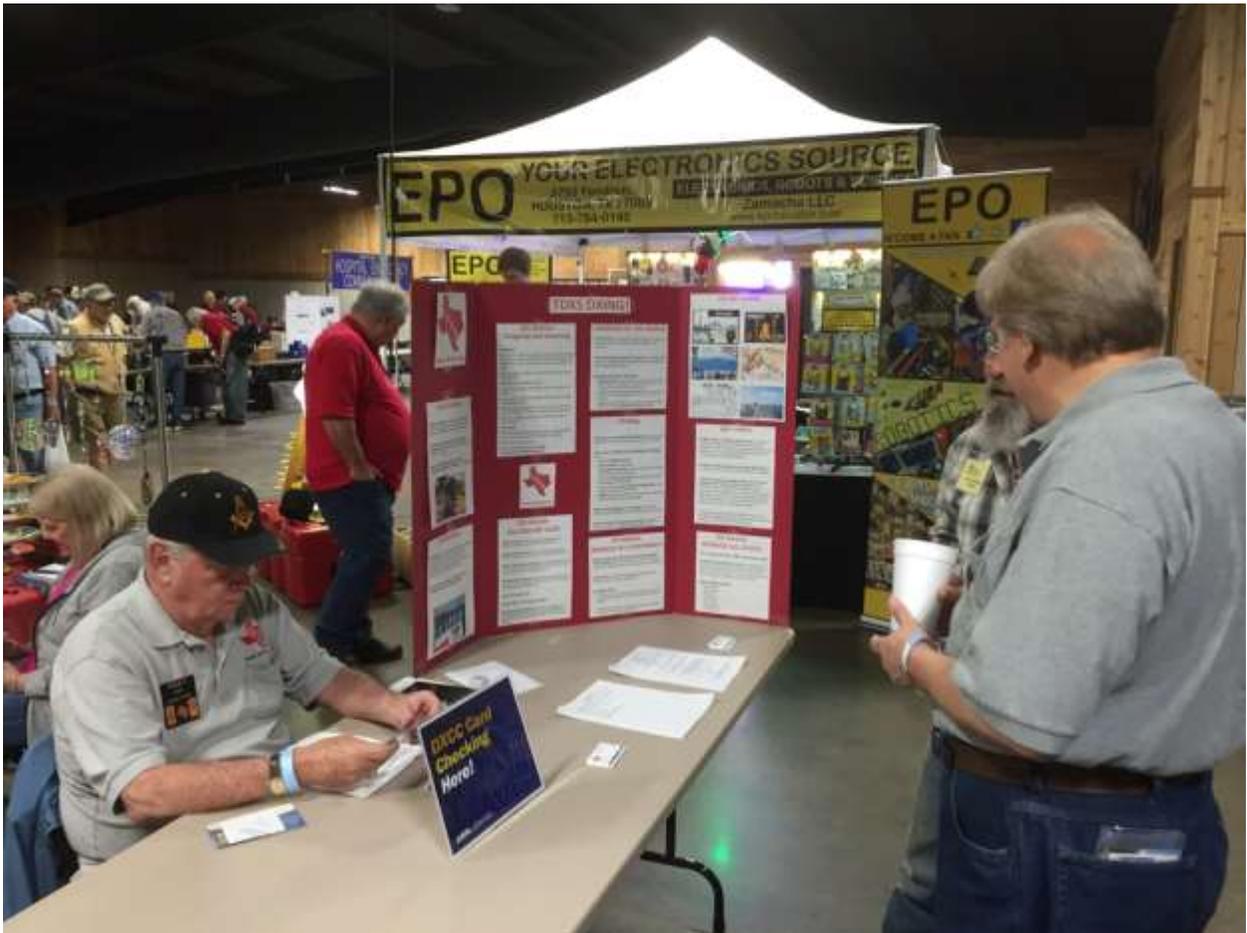


Jim (N5DTT) promoting contesting at the Houston Ham Fest.

Photo by Doug Seyler (WB5TKI)



TDXS table at the Greater Houston Ham Fest was a Success by Larry Daze KB5WWW



Bob (N5ET) checking QSL cards, and Don (N5DD) promoting DX'ing.

Photo by Doug Seyler (WB5TKI)



# The FCC and ARRL has heard us!!!! By Ted Rappaport N9NB

Dear Ham Radio Colleagues:

You have steadfastly learned the facts and responded with factual, clear reason on the flawed RM-11708/NPRM 16-239, and on the aggressive digital takeover of RM-11828, and RM-11759.

The FCC and ARRL has heard us!!!!

This is truly amazing, and a chance for our hobby to get back to harmony and growth with the public being able to listen, participate, and hear all conversations!

Spread the word, as this is finally our chance to PRVENT ham radio from becoming a private email service!

First, last week, the new ARRL board, with its new ARRL attorney, for the first time in 20 years, has acknowledged that our voice is legitimate, and has heard the concerns of the digital bandwidth aggression and lack of open, interceptable data on HF!

See:

[https://ecfsapi.fcc.gov/file/1032717663093/ARRL%20Ltr%20%20FCC%2016-239%2003\\_27\\_2019.pdf](https://ecfsapi.fcc.gov/file/1032717663093/ARRL%20Ltr%20%20FCC%2016-239%2003_27_2019.pdf)

Then, the FCC just published RM-11831! THIS IS OUR CHANCE!

WOW! FINALLY – the first public recognition by the FCC of the major problem in HF ham radio! This is your chance to save our hobby and spur on its growth for its intended purpose!

[https://www.fcc.gov/ecfs/search/filings?proceedings\\_name=RM-11831&sort=date\\_disseminated,DESC](https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11831&sort=date_disseminated,DESC)

Please – this is SO VITAL that you respond to the FCC ECFS and also to your ARRL board members and elected officials!

Here is just one example of a response, please please get the word out to other hams, and write to FCC and ARRL leaders, and congress, as they all need to hear from you, too, that your support immediate passage of RM-11831!

Example comment at FCC for RM-11831:

<https://www.fcc.gov/ecfs/filing/1033179521395>

The FCC has heard us, and realizes for the first time that there is a REAL problem with pseudo-encrypted data on the ham bands, and has woken up to the digital bandwidth aggression!

For the first time in 20 years, the FCC has now asked for comments on the Winlink/ARSLI playbook that uses data that is extremely difficult/if not impossible/for hams to intercept and their continual quest for more HF bandwidth!.

Here is our hobby’s chance to put the genie back in the bottle, to contain the wideband aggression of pseudo-encrypted email stations, and to keep the ham bands open to the public for future growth and participation by the public in eavesdropping all of the traffic!



## The FCC and ARRL has heard us!!!! By Ted Rappaport N9NB

Comments are urgently needed, and your support of RM-11831, and rejection of RM-11708, WT 16-239, RM-11828, and RM-11759 are urgently needed! Please, get the word out to keep ham radio open to interception over the air, and to contain the automatically controlled, unattended data stations to within their existing allocation (without expanding to all frequencies!). The boaters and winlink'ers are flooding the ballot box now to stop it, you must spread the word and let FCC know we want all data to be open to intercept and the bandwidth for improper point-to-point email must be contained.

This RM-11831 solves all the problems we have been concerned about, so now more than ever, we have a chance to finally urge that something be ACCEPTED and passed by FCC, instead of having to fight against the continual aggression that the old ARRL board filed (e.g. The ARRL Ad Hoc HF digital committee, RM-11306, RM-11708, etc.).

Please, now more than ever, it is critical that you write into the FCC ECFS (See "Wireless girl" for how to file in all dock-ets), your ARRL director, and elected federal officials to ADOPT RM-11831 asap..... please file your comments to protect the commons of ham radio, to protect the future of our hobby, and to finally bring realization that all ham radio traffic should be decoded by others.

Write in for your strong support of RM-11831 and file simultaneously against RM-11708, 16-239, RM-11828, and RM-11759 that sought to expand the digital takeover without addressing the obscured messaging problem. Let your congress leaders and ARRL members know, as well.

I am taking a lot of bullets for the hobby, we need to make sure our efforts are not in vain. This is for the heart and soul and future of ham radio and our nation's security and the reservoir of technical efforts for our next generation.

<https://ecfsapi.fcc.gov/file/104012122120334/30March19FCCLetter.pdf>

Here is why you should write Congress, Write ARRL leaders, and file your comments in FAVOR of RM-11831. See "Wireless Girl" for how to file. This is why we are all in the hobby. Its now or never, Please read this, and spread the word, and file in FAVOR of RM-11831.

<https://engineering.nyu.edu/news/nyu-wireless-founder-predicts-proposed-fcc-rule-will-grow-amateur-radio-hobby-and-inspire>

Here is one of the most thoughtful comments yet on ham radio and RM-11831. Please, if you have not already done so, write your 3 elected government officials about the need to have digital data transparency in ham radio, and write your ARRL board members, and file at the FCC ECFS in favor of RM-11831 and against NPRM 16-239, RM-11828, RM-11759 and RM-11708 (See the top link at "Wireless Girl" for public comments thus far in RM-11831, and how to file. You and your friends need to take a stand for the long term benefit of ham radio.

[https://ecfsapi.fcc.gov/file/10408467029585/RM-11831\\_W6EM\\_Comments.pdf](https://ecfsapi.fcc.gov/file/10408467029585/RM-11831_W6EM_Comments.pdf)

Please spread the word. Six years of hard work by hundreds of people who care about ham radio is finally bringing daylight to what has been going on in our HF spectrum. Congress and FCC and ARRL need to hear from you that you want all transmissions to be open for others to intercept for meaning.



## Texas DX Society Board members

<b>President</b>	<b>Robie Elms, AJ4F</b>	<b>ruler55 at gmail.com</b>
<b>VP Membership</b>	<b>Gerald Muller</b>	<b>gmuller885@aol.com</b>
<b>VP Programs</b>	<b>Pat Cameron KJ5Y</b>	<b>kj5y@comcast.net</b>
<b>Secretary</b>	<b>Doug Seyler, WB5TKI</b>	<b>djseyler at comcast.net</b>
<b>Treasurer</b>	<b>Larry Daze KB5WWW</b>	<b>dxon20@gmail.com</b>
<b>Contest Chairman</b>	<b>Jim Burrough, N5DTT</b>	<b>jandpburrough at sbcglobal.net</b>
<b>Field Day Chairmen</b>	<b>Open</b>	<b>Open</b>
<b>Repeater Chairman</b>	<b>Glenn Anderson, WB5TUF</b>	<b>wb5tuf at arrl.net</b>
<b>DX Chairman</b>	<b>Orville Burg, K5VWW</b>	<b>Orville at rubyglass.com</b>
<b>Outgoing QSL Manager</b>	<b>Scott Patout, K5DD</b>	<b>k5dd at arrl.net</b>
<b>Webmaster</b>	<b>Scott Patout, K5DD</b>	<b>k5dd at arrl.net</b>
<b>Bullsheat Editor</b>	<b>Allen Brier, N5XZ</b>	<b>n5xz at arrl.net</b>

---

<b>DXCC QSL Card Checker</b>	<b>Bob Walworth, N5ET</b>	<b>rwalworth at charter.net</b>
<b>CQ WAZ Card Checker</b>	<b>Bob Walworth, N5ET</b>	<b>rwalworth at charter.net</b>

### How to reach US

On the World Wide Web <http://www.tdxs.net> email address: [k5dx@tdxs.net](mailto:k5dx@tdxs.net)

On 2 Meters: 147.96/36 MHz (100 Hz)      On 70cm: 447.00/442.00 MHz (103.5 Hz)

DX Cluster—On Packet: Connect to **K5DX** on 145.71 MHz or telnet via IP address 75.148.198.113

**Facebook:** <https://www.facebook.com/groups/TexasDXSociety/> (new)

**TDXS says "HAPPY BIRTHDAY"** to these members with birthdays in April:

Please notify the Editor if I have missed anyone or of any updates: