

The Official Newsletter of the Kansas City DX Club

KC DX NEWS

AB0X-EDITOR

DX PACKET CLUSTER:144.95

DEC. 03/JAN 04

IN THIS ISSUE

Club News -AB0X

Presidential Podium?-K0LW

Ask Elmer? -Wd0SRI

Contest Column-AE9B

ARRL DX Bulletin

New License Proposal-ARRL

NEXT KCDXC MEETING: JAN. 26

The next meeting of the KCDXC is on Jan. 26, at 7:30 P.M. The meeting location will be the Salvation Army building at the corner of Troost and Truman Road. The address is 1110 Truman Rd.. Coffee and donuts from Lamar's will be served. .

Hopefully, Elmer & the Electrons will make their annual musical appearance. Don't miss this!

NEW ADVICE COLUMN IN NEWSLETTER: "Ask Elmer"

The KCDXC is proud to announce that a new column will debut in the club newsletter. Long time club member Wd0SRI will start a new advice column for hams. Any member can write in and ask Elmer for advice on anything from antennas to marital issues. It should be a very popular feature each month. Check out this month's column for some sound advice on DXing and married life. Address your questions to wd0sri@yahoo.com.

YOUR 2004 KCDXC DUES ARE DUE!!!

It is that time of year again! All members should send their 2004 club dues, \$14, to KB0U.

Rick will be available to collect dues at the Jan. Meeting also. His address is KB0U (Car Payment Fund) P.O. Box 4798, Overland Park, KS, 66204.



KCDXC HONOR ROLL DXCC TOTALS

Call	Mixed	CW	Phone	RTTY	160
W0TM	352	343	334		
K0JN		335			
K0CS	349	254	340		198
K5ZQ	349				
W0NS	348				
AB0X	348	331			186
N0XA	345				285
W0JLC	345	343	325		141
AK0A	343	243			
NX0I	339	334	332		191
K0HQW	331	300	331		
K0ZM	322	303			
KR0I	318	282	248		
K0GY	315	292	313		
W0LHK			290		21
N0UF	269	144	256		
AA0MZ	269	228	248		
KG0UA	268	262	109		
K0XM	245	172	202		32
AE9B	256	201	235	78	57
NW0L	190	2	175	95	
KD0FW			201		
KI7WO	192	16	188	29	2
WD0SRI	67	8	63		3

----- Original Message -----
From: "Lee Ward" <lee@crcltd.com>
To: "Multiple recipients of list KCDXC-for-fun" <KCDXC-for-fun@crcltd.com>
Sent: Monday, November 17, 2003 1:25 PM
Subject: Re: My Excuses

Mike,

Please put this in the next newsletter, this sums it all up and the world needs to know these excuses so they don't reuse them. I'm proud of you Tom, blame belongs on other shoulders....

KOLW

My revised list of excuses

Now that sweepstakes is over I have taken a deep sigh and realized that I have lots of excuses I'd like to make for not winning this contest.

1-I thought the contest started at 00:00 Z and got a late start (3 hours)

2-After reading the rules I couldn't figure if I wanted to enter HP or unlimited (30 minutes)

3-I had to get my 160M vertical to operate on 80M (set up tuner at tower 1 hour and 30 minutes)

4-I had to troubleshoot and resolve my 40M 4 square control box not working (power light not on disassemble box everything looks OK go out to switch box at antennas disassemble look inside and see that it is all there reassemble almost lost a screw, check control cable continuity all ok go back inside an look for manual, find manual look at schematic (can't read them anyway) look back inside box hummmmm two fuses... replace = amp fuse and it worked 4 hours)

5- daughters birthday party (4 hours)

6- Beverage antennas need to be installed (drive 14 T-post in stock at Baugh Pole barn, go to store and buy 140' of 1-1/2" PVC pipe, drill holes in end drive 2 ground rods per beverage 6 hours)

7- Thought my antennas were broke (conditions stunk looked outside and saw antennas were still there (2 hours)

8-Loaned daughter some cables for her party (kids play X-Box at parties now) and didn't get them re-assembled in time for contest (2 Hours)

9- Heard Condition stunk couldn't get motivated (3 hours and a beer)

10- Beer tasted good had another (= hour) and another (= hour) and another (1-1/2 hours)

11- Scanned the bands and found out they were good but couldn't find any room to call CQ went to have another beer (2 hours)

12- Fell asleep watching the Chiefs play the Bengals (5 hours)

13- Woke up and heard on the news that the Chiefs lost and had to have several beers (1 hour)

14- Looked up on the internet and found out the SIU Salukis lost for the first time all year had to drown my sorrows 4 beers and some whiskey (I think) 4 hours... OK maybe 5

15- Called my buddies with the Chiefs and blamed them for my drinking problems (3 hours)

16- Called the head coach at SIU and talked to him about post season strategy (had 3 more beers) 4 hours.

17. Called the SIU Chancellor and told him I knew of a better coach for the playoffs (while drinking whiskey I Think he hung up after I called him

an A^\$%^*&^le = hour)

18. Called my old Salukis buddies and told them what the Chancellor did 2 hours)

19. Told the same buddies what I called the Chancellor while drinking a couple beers and whiskey 4 hours I think)

Now I'm not sure how I did it but I managed to log over 500 QSO's while completing all of the above in 51 hours. Now how long was that contest?

There any award for that?

Tom

AE9B

I don't condone this type of behavior and it may be dangerous to your health.

ASK ELMER??

By Wd0SRI, Elmer Hinkle

It is a real honor for me to be asked to write this new ham radio advice column for the club. I want to personally thank AA0MZ for coming up with this idea. Jim Bob knows I always have something to say and can always tell other people how to live their life! So, here goes nothing!

Dear Elmer,

I have operated at various contest station in the metro area who will not be named, who don't seem to give a darn if they exceed the power restrictions set by the FCC. My amp is advertised to loaf at the legal limit, so I wondered if you had any tips for DXers want to make sure I follow the letter of the law concerning power output?

Anti-Godzilla in Olathe

Dear Anti-Godzilla,

I have never known anyone like you before! You must be pulling my leg?? Did K0LW get you to write this??

I have operated at plenty of contest stations over the years and we always had the motto;”Turn all gain knobs to the Right! ” This meant variacs, too! We prided ourselves on having “20 Meter Audio Quality.”

My only advice to you is join the QRP Club. You got to be kidding? No Zero would ever say this!

Dear Elmer,

What do you recommend when a loud contest station from back east parks on top of my frequency when I am trying to run Europeans on 15 meters???

Frustrated Contestster

Dear Frustrated Contestster,

If the east coast station is 20DB Over S-9 or more and you have a 50 foot tower or less, I would recommend you take a break and go get a Bud out of the frig.

It is a harsh reality, but Zeroes must learn quick to be humble. But you make a note of the guy’s call and you find him in the afternoon and park on his frequency and call “CQ JA”. If necessary open your callbook and work some stations out of the book until he gets pissed and leaves! Revenge is sweet!

Dear Elmer,

Have you ever noticed that it seems every ham I run into here on this side of the Metro area is a homosexual? Is it just me or what? One of them asked me if he could suck my tetrode? Wow! How do you deal with this?

Not Lambda in Raymore

Dear Not Lambda,

Move to Kansas ! And don’t show them your tetrode! My cousin Skeeter, had a similar experience! Watch out for a ham named Ben Dover. He is always asking people if he can drive them home???

Dear Elmer,

I want to improve my CW skills and become a real Dxr. I call in pile ups on CW all the time, but have trouble keeping up with the fast CW some of these DX stations send. It is really embarrassing to have them come back to you and you not even know it!

Got any advice?

No Habla Dah-Dit

Dear No Habla Dah-Dit,

Here’s what you do: Get a good CW man to monitor the frequency with you from his QTH. Get him on the phone or on 2 meters and have him tell you when to send a report, when he hears the DX station come back to you. The KCDXC has had lots of guys do this for years! It works well!

Dear Elmer,

I have trouble with the neighbors when I operate my linear during a contest. Got any advice on how to deal with these TVI complaints?

Afraid of a lynching in Overland Park!

Dear Afraid of Lynching,

Your problem is not unique. Here’s some tips I have developed over the years: Train your family to answer the phone and door if the neighbors complain. Have them say you are out of town because of a death in the family and couldn’t be causing their problem! OR tell them to call the cable company or phone company, etc. and complain about poor service. Another thing that neighbors can be told is that you having the same problem with your phone or TV and it is being caused by that new CB’er one block over. This will confuse them and generally get them to leave. If all else fails, use the NOXA method, get a big, black dog that is very mean looking and place him on the front porch.

Dear Elmer,

Is there any way to convince my wife that contests are a good way to spend the weekend? She gets mad when I spend an entire weekend in the shack.

Quiet Bedsprings Low Band Radio Club of Wetmore, KS

Dear Mike Zooloo,

What you tell her is that she should be glad you are at least home, even if you are on the radio. At least you not out bar hopping or chasing the girl from the trailer court! At least, she knows where you are each night. Also, tell her the radio won’t give you crabs or any social

disease. Considering all this, she should be happy.
Works at my house!

Send in your questions to me and I will do my best to answer them. 73 & see ya'll at Wal-mart.
Wd0SRI

NEW KU1CW CONTEST QTH WHERE IS STET, MO.???

This is the tower at Stet, MO and the KT34XA at 195'. You can see one off the 160 slopers (4 of them). This should be a pretty good contest site, Alex, KU1CW has busted his ass to get this put together. I look forward to a 160 contest from this site! 2 element 40 is going to be on a separate tower and there are 2



more KT34XAs to go on the tower at 60' and 120'.
Lee, KOLW

12 DEAD IN FLEA MARKET ACCIDENT IN OHIO!

A tragic accident occurred recently in Ohio. 12 were killed at local radio club flea market event. Our prayers go out to the hams involved.



Contest Corner

NW0L Rally's the troops for another Winter Warrior ARRL RTTY Roundup in North Dakota. After months of planning and days of packing. NW0L, KOLW, W0ZAP, K4SV and AE9B traveled North to provide the elusive North Dakota multiplier to 1188 contacts. After several hours of poor conditions it was very apparent why nobody gets on from N.D. the conditions were poor, and the weather even worse. Although very little snow fell, the sub zero temperatures were a constant reminder of the delicate nature of human survival in the north country.

Setup of equipment went very well with 2 tribanders erected on 2 military towers, a single full sized 40M vertical, an 80M dipole and a 80M/160M toploaded vertical. The radios were the usual 2- FT1000MP's with an additional IC 756ProII. Amplifiers were two Kenwood TL922a's.

The trip was a little different this year as we pulled of I-29 to pick up Dave Anderson (K4SV) at the Sioux City Airport. Dave traveled all the way from Asheville, North Carolina to spend the long weekend in North Dakota trying out his cold weather gear. Dave was scheduled to be traveling to Peter 1 in the Antarctic and after spending \$1,000's of dollars on the latest cold weather survival equipment. The cold weather of North Dakota was probably pretty close to what he'll experience there when he does travel next year. Temperatures reached on excess of 30 below zero windchill. The group took morning walks in the 30 mile and hour winds to help Dave with his cold weather preparation and to just have fun!

Black Hole operating was in full force. Conditions stunk as expected with the sunspot cycle on the downslide and A indexes above 25. Ten meters was all but non existent with only a handful of QSO's logged. On the other hand 80M was packed full of stateside contacts but the DX was tough with East coast stations dominating the bands with their 1,500 mile advantage. Being able to operate only one radio left plenty of time for typical adolescent humor associated with 5 guys holed up in one building.

Murphy tried like hell to cause us some grief. Two of the three 10M bandpass filters failed (or were incompletely repaired last time they were fixed) so we operated on one radio on 10M. At one point the smell of W0ZAP's TL-922 made K4SV look inside to see that only one tube was lit. No problem.. We just used the other one. K4SV was operating when he recognized that the amp was in "permanent standby mode". With quick

disassembly, the team dismantled both amps and put the good pair of tubes in the W0ZAP Amp and were back in action without skipping a beat. We later fired up the "standby" amp and it works too... Magic... sometimes you just need a little magic and I must have some because I have had two DOA Amps which mysteriously revived themselves. Maybe it has something to do with the time I almost killed myself holding on to the high voltage lead?

Murphy times 10.... 4:30 AM arrived on the day of departure and I (AE9B) awoke ready to go. By 5 or so everyone was kind of stirring so I went outside to start up my old 1990 F350 Diesel. We had plugged in both trucks block heaters and started the trucks during the course of the weekend so I was not surprised when it fired up without much struggle. Everyone packed gear in the house, and as we started loading up, Lee tried starting his 2003 Ford Diesel. It ran for a short time then stalled. We continued to try for a couple hours, after adding a light bulb for heat at the filter but finally gave in to towing the truck into the local garage to warm up. After several hours of waiting and trying and talking and troubleshooting, the local garage guys finally admitted they didn't know a damn thing about diesels but would be happy to tow us to the dealer 12 miles away. After breaking the plastic tread trim on top of Lee's truck pushing his truck the first time, Larry (the local garage owner) successfully got his bumper hooked over the top of Lee's trailer hitch as he pushed the truck 12 miles to the dealership. Upon entering the dealership at 3 something O'Clock PM (a few hours before they close) we were met with less than exciting prospective that anything would get done and planned for the possibility of an extended stay in North Dakota. When Larry (of Larry's garage) offered the use of a vehicle, NW0L, W0ZAP and AE9B were able to head home and leave Lee and Dave to wait for the repair. We were under the impression that the dealership would get to the repair first thing in the morning so we were surprised to get a phone call from Lee on our way home that he was only a couple hours behind and everything had been fixed with the replacement of a fuel filter. Every DXPed needs a good obstacle to overcome and an excuse as to why you didn't perform as well as you hoped. We have plenty of them, but enjoyed the trip anyway. Final "claimed" 3830 scores below. We worked all states except North Dakota but DX was rare.

USA M/S HP RTTY Roundup

K9NS 1566 58 62 187,920
W4RM 1336 57 66 24 164,328 PVRC
W6YX 1374 58 51 24 149,766 NCCC
N8NR 1226 57 58 24 140,990 SWODXA
W7RN(@K5RC) 1341 54 43 23 130,077 NCCC
AB5K 1263 58 42 124,700 CTDXCC
W0MA 997 58 49 22 106,679 BOEING
EMPLOYESS ARC
NW0L 1188 55 32 24 103,356
WT8C 562 55 42 23 54,514 NCC

N6EE 609 57 30 10 53,070 NCCC

Upcoming contests include these. Do you think you'll be on the air during the Super Bowl? My prediction is that participation will be down.

Jan 10 North American QSO Party, CW 1800Z,
Jan 18 North American QSO Party, SSB 1800Z,
Jan 17 - 0600Z, Jan 18 CQ 160-Meter Contest,
CW 0000Z,

Recent Contest Results from Club Members

10M Contest

KB0VVT 10M Mixed MS 1106 153 511,938
AE9B 10M CW HP SO 790 87 274,920
K0XM 10M Mixed LP SO 248 118 84,488
K0BJ 10M Mixed LP SO 178 88 50,160
KG0UA 10M CW LP SO 263 60 63,840

160M Contest

AE9B 160M ARRL 617 74 10 10 106,428
K0BJ 160M ARRL 204 57 4 3.5 25,803
KG0UA 160M ARRL 256 56 29344
AA0MZ 160M ARRL 411 69 57,339
N0TT 160M ARRL 1006 76 6 166,952

Stew Perry Contest

AE9B 444 13 1,684
N0TT QRP, 5 watts, 212 Q's.
DE AE9B, Tom

ARRL DX BULLETIN

QST de W1AW
DX Bulletin 2 ARLD002
From ARRL Headquarters
Newington CT January 15, 2004
To all radio amateurs

ARLD002 DX news

This week's bulletin was made possible with information provided by LA2PA, NC1L, NO2R, the OPDX Bulletin, The Daily DX, 425DXnews, DXNL, WA7BNM and Contest Corral from QST. Thanks to all.

ITU HQ, 4U_ITU. Ivan, OM3CGN is QRV as **4U1ITU** from **Geneva** until **mid December 2004**. He will try to be active on 160 meters. QSL via operator's instructions.

SENEGAL, 6W. Andy, LX1DA is QRV as **6W/LX1DA** until **April 8**. He is running QRP. He may try to operate from other countries in the area as well. QSL to home call.

DEMOCRATIC REPUBLIC OF CONGO, 9Q. Gus, SM5DIC will be in **Kinshasa** and will be QRV using the ARAC club call of **9Q0AR** beginning around **January 20**. He will be here for about 2 months and his activity is limited due to working time. QSL direct via SM5BFJ.

THE GAMBIA, C5. C56/G0VUH is QRV until **January 30**. Activity is on all bands. QSL to home call.

BAHAMAS, C6. Wade, AA8LL/C6A and Liz, K8LIZ/C6A are QRV from **Pittstown Point on Crooked Island, IOTA NA-113**, until **January 19**. They will also be active as **C6ALB** from the **Bird Rock Lighthouse**. Activity will be mostly on 40 to 10 meters using SSB. This includes the newer bands. QSL via AA8LL.

CHILE, CE. Marco, CE6TBN plans to be active as **CE6TBN/8** from **Wellington Island, IOTA SA-032**, from **January 17 to 20**. Activity will be on 40, 20, 17, 15, 12 and 10 meters using SSB. QSL via N1IBM.

ANGOLA, D2. Ed, D2PFN has been QRV using SSB on 15 meters around 2000z. QSL via KK5DO.

SOUTH SHETLAND ISLANDS. Voytek, SP5QF is QRV as **HF0QF** and **HF0POL** from Poland's **Henryk Arctowski station on Rakusa Point, King George Island**. He is here **until December 2004**. QSL via SP7IWA.

GUANTANAMO BAY, KG4. Tip, N4SIA will be QRV as **KG4AS** beginning **January 20**. He is here for **8 days**. Activity will be on all bands. QSL to home call.

FERNANDO DE NORONHA, PY0F. Bill, W5SJ will be QRV as **PR0F** from **January 21 to 27**. Activity will be CW most evenings on 160, 80 and 40 meters. He will also be an entry in the upcoming **CQ WW 160-Meter contest**. QSL via operator's instructions.

BURKINA FASO, XT. Orlando, VE4JOP plans to be QRV as **XT2OP** for the **next two weeks**. He hopes to be active daily from around 1200 to 1400z on 20

meters. QSL to home call.

ZIMBABWE, Z2. Dudley, Z22JE is generally QRV daily on 15 meters around 1830z. QSL via K3PD.

BULLETIN CORRECTIONS. As mentioned in DX Bulletin [ARLD001](#), Erling, JW5RIA is actually QRV from **Bear Island, IOTA EU-027**. Also, Peter, NO2R will not be in Cambodia **until February 2**, and will be here for **7 days**.

The following operations are approved for **DXCC credit: 5X2A** from July 29, 2004 to July 1, 2004. **YA4F** from September 2003 to April 2004 and **YA8G** from December 14, 2003 to January 31, 2004.

THIS WEEKEND ON THE RADIO. The [North American Phone QSO Party](#), [MI QRP Club January CW Sprint](#), [LZ Open CW Championship](#), [HA DX CW Contest](#) and the [070 PSKFest](#) will certainly keep contesters busy this weekend. Please see January QST, page 98 and the ARRL and [WA7BNM](#) contest websites for details.

NEW COUNTRY??? U.N. STATIONS???"4U2P

KB0U sent over this pic of the shack of a new station. It is uncertain if this is a new country or not. It could even be a United Nations station. Anyone out there know anything about this station???

It is rumored that some ex-Russian hams, UP2HI and UP2LO, will operate from 4U2P in the near future.



ARRL to Propose New Entry-Level License, Code-Free HF Access

NEWINGTON, CT, Jan 19, 2004--The ARRL will ask the FCC to create a new entry-level Amateur Radio license that would include HF phone privileges without requiring a Morse code test. The League also will propose consolidating all current licensees into three classes, retaining the Element 1 Morse requirement--now 5 WPM--only for the highest class. The ARRL Board of Directors overwhelmingly approved the plan January 16 during its Annual Meeting in Windsor, Connecticut. The proposals--developed by the ARRL Executive Committee following a Board instruction last July--are in response to changes made in Article 25 of the international Radio Regulations at World Radiocommunication Conference 2003 (WRC-03). They would continue a process of streamlining the amateur licensing structure that the FCC began more than five years ago but left unfinished in the Amateur Service license restructuring Report and Order (WT 98-143) that went into effect April 15, 2000.

"Change in the Amateur Radio Service in the US, especially license requirements and even more so when Morse is involved, has always been emotional," said ARRL First Vice President Joel Harrison, W5ZN, in presenting the Executive Committee's recommendations. "In fact, without a doubt, Morse is Amateur Radio's 'religious debate.'" The plan adopted by the Board departs only slightly from the Executive Committee's recommendations.

The "New" Novice

The entry-level license class--being called "Novice" for now--would require a 25-question written exam. It would offer limited HF CW/data and phone/image privileges on 80, 40, 15 and 10 meters as well as VHF and UHF privileges on 6 and 2 meters and on 222-225 and 430-450 MHz. Power output would be restricted to 100 W on 80, 40, and 15 meters and to 50 W on 10 meters and up, thus avoiding the need for the more complex RF safety questions in the Novice question pool.

"The Board sought to achieve balance in giving new Novice licensees the opportunity to sample a wider range of Amateur Radio activity than is available to current Technicians while retaining a motivation to upgrade," said ARRL CEO David Sumner, K1ZZ. "It was also seen as important to limit the scope of privileges so the exam would not have to include material that is inappropriate at the entry level." As an introduction to Amateur Radio, the Novice license served successfully for most of its 50-year history. The FCC has not issued new Novice licenses since the 2000 license restructuring, however. Under the ARRL plan, current Novice licensees--

now the smallest and least active group of radio amateurs--would be grandfathered to the new entry-level class without further testing.

Anticipating assertions that the new plan would "dumb down" Amateur Radio licensing, Harrison said those currently holding a ticket often perceive the level of complexity to have been greater when they were first licensed than it actually was. "Quite frankly," he said, "if you review the questions presented in our license manuals throughout the years, you will be surprised how they compare to those of today."

Technicians and Generals

The middle group of licensees--Technician, Tech Plus (Technician with Element 1 credit) and General--would be consolidated into a new General license that no longer would require a Morse examination. Current Technician and Tech Plus license holders automatically would gain current General class privileges without additional testing. The current Element 3 General examination would remain in place for new applicants. ARRL already has proposed additional phone privileges for Generals in its "Novice refarming" petition, RM-10413, but the FCC has not yet acted on that petition.

Morse Code Testing Retained for Extra

At the top rung, the Board indicated that it saw no compelling reason to change the Amateur Extra class license requirements. The ARRL plan calls on the FCC to combine the current Advanced and Amateur Extra class licensees into Amateur Extra, because the technical level of the exams passed by these licensees is very similar. New applicants for Extra would have to pass a 5 WPM Morse code examination, but the written exam would stay the same. The League's plan calls for current Novice, Tech Plus and General class licensees to receive lifetime Element 1 (5 WPM Morse) credit.

"This structure provides a true entry-level license with HF privileges to promote growth in the Amateur Service," Harrison said. "It also simplifies the FCC database by conforming to the current Universal Licensing System (ULS) structure and does not mandate any modifications to it."

Sumner concurred. "The Board started out by recognizing that three license classes was the right number when looking down the road 10 or 15 years," he said. "We need a new entry-level license."

"On the other hand, there's nothing particularly wrong with the existing Extra class license," he continued. "The change in the international regulations notwithstanding, the Board felt that the highest level

of accomplishment in the FCC's amateur licensing structure should include basic Morse capability."

Sumner and Harrison say the current Technician entry-level ticket provides little opportunity to experience facets of ham radio beyond repeater operation. "The quality of that experience," Sumner said, "often depends on the operator's location."

Among other advantages, Sumner said the plan would allow new Novices to participate in HF SSB emergency nets on 75 and 40 meters as well as on the top 100 kHz of 15 meters. The new license also could get another name, Sumner said. "We're trying to recapture the magic of the old Novice license, but in a manner that's appropriate for the 21st century."

Proposal Includes "Novice Refarming" Band Plan

The overall proposed ARRL license restructuring plan would more smoothly integrate HF spectrum privileges across the three license classes and would incorporate the "Novice refarming" plan the League put forth nearly two years ago in a Petition for Rule Making (RM-10413). The FCC has not yet acted on the ARRL plan, which would alter the current HF subbands. The Novice refarming proposal would eliminate the 80, 40 and 15-meter Novice/Technician Plus CW subbands as such and reuse that spectrum in part to expand phone/image subbands on 80 and 40 meters.

The ARRL license restructuring design calls for no changes in privileges for Extra and General class licensees on 160, 60, 30, 20, 17 or 12 meters. Novice licensees would have no access to those bands.

KC DX NEWS

AB0X-EDITOR

7871 WEBSTER

KANSAS CITY, KS 66109

Proposed Phone/Image HF Subbands (Includes Novice Refarming Proposal)

80 Meters

Extra: 3.725-4.000 MHz (gain of 25 kHz)

General: 3.800-4.000 MHz (gain of 50 kHz)

Novice: 3.900-4.000 MHz (new)

40 meters

Extra: 7.125-7.300 MHz (gain of 25 kHz)

General: 7.175-7.300 MHz (gain of 50 kHz)

Novice: 7.200-7.300 MHz (new)

15 meters

Extra: 21.200-21.450 MHz (no change)

General: 21.275-21.450 MHz (gain of 25 kHz)

Novice: 21.350-21.450 MHz (new)

10 meters

Extra and General: 28.300-29.700 MHz (no change)

Novice: 28.300-28.500 MHz (no change)

Proposed CW/Data-Exclusive HF Subbands (Includes Novice Refarming Proposal)

80 meters

Extra: 3.500-3.725 MHz

General: 3.525-3.725 MHz

Novice: 3.550-3.700 MHz

40 meters

Extra: 7.000-7.125 MHz

General: 7.025-7.125 MHz

Novice: 7.050-7.125 MHz

15 meters

Extra: 21.000-21.200 MHz

General: 21.025-21.200 MHz

Novice: 21.050-21.200 MHz

10 meters

Extra/General: 28.000-28.300 MHz

Novice: 28.050-28.300 MHz

1.

[FIRST CLASS](#)

TO: