



The Official Newsletter of the Kansas City DX Club

KC DX NEWS

AB0X EDITOR

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OPDX Bulletin

NEXT KCDXC

MEETING: SEPT. 30

The next meeting of the KCDXC is on Sept. 30 at 7:30 P.M. The club does not meet during the summer months. The meeting location will be the Salvation Army building at the corner of Troost and Truman Road. The address is 1110 Truman Road. Coffee and donuts from Lamar's will be served.

ASSOCIATED RADIO/ W0AR

CONTEST ACTIVITY: JULY 13

The KCDXC will be sponsoring a special contest demonstration on July 13 in cooperation with Associated Radio, at 80th and Conser, in Overland Park, KS. The club is hoping to attract new members and increase visibility. Lee, W0AR, has given permission for us to use his call sign for participation in the IARU Radio Sport Contest. Associated Radio will expand their hours that weekend to encourage the activity. See AE9B's Column for detailed agenda of this special event.

KCDXC CARP TOURNAMENT: TO BE HELD JULY 27TH

The annual gala event of the year, the KCDXC Carp Tournament, will be held on July 27, 2002, on the beautiful sandy beach along the Kansas River.

Participants should meet under the bridge in Bonner Springs at 10 AM. Fisherman may range from the mouth of the Kansas River up to the dam in Lawrence.

Remember, there is only one rule in the KCDXC Carp Tournament: "There ain't no rules!" The framework and the basic concept for the contest was established back in 1981 by Head Judge, N0XA. Fred said recently "In the last 21 years the KCDXC has produced a lot of Carp!"

KCDXC President wanted to remind members that the club does not provide bail money if you get arrested for public drunkenness or Fish & Game violations. Please, remember not to throw beer cans at boaters, fishermen and sun bathers!

The KCDXC already has reservations for the Tournament from these famous Dxers: OH2BH, DJ6SI, VR6TC, VK9NL, VK9NS, K5VT, K5FUV, ON4UN, K0CS, DU9RG, W8AH, W0JM, K5ZD, K1ZZ, N7DF, K3UR, N4AA, W0AR, K4UEE, JA1BK, JA0BIW, N6TJ, W9KNI, K3ZO, G3SXW ON4NT and many more!

Bring the family for the big fish fry after a day on the river. KCDXC has purchased 125 cases of Busch for the expected crowd of 300 people.

W0JM has challenged club members to a "fish off." Johnny has said "My secret bait has been growing in the bottom of the frig for nearly 6 months!"

Don't forget the Beer Can Throwing Contest, too!

Kansas City DX Club and Associated Radio Present Contesting in the Heartland

Saturday July 13th From Dawn until Dusk

Extended Hours at Associated Radio 8012 Conser Overland Park, KS 66204

Members of the KCDXC will be operating both CW and SSB Live on site at Associated Radio We'll be competing in the International Amateur Radio Union (IARU) contest during the World Radio Team Championship (WRTC) weekend

Please come by and see what Amateur Radio Contesting is like.

The purpose of this activity is to promote contesting activity in the Kansas City area. Members of the KCDXC will be available during the entire contest to answer any questions.

Further Questions? Email AE9B@ARRL.net or call Dan at Associated 913-381-5900

Some Basic Rules for those thinking of participating

- 5.1. IARU member society HQ stations send signal report and official IARU member society abbreviation. IARU International Secretariat Club Station NU1AW counts as a HQ station. Members of the IARU Administrative Council and the three IARU regional Executive committees send "AC," "R1," "R2" and "R3" as appropriate.

- 5.2. All others send signal report and ITU zone.
- 7.1. Contacts within your own ITU zone, as well as QSOs with stations sending "AC," "R1," "R2," and "R3" or any IARU member society HQ stations, count one point.

- 7.1.1. Contacts with a station in the same ITU zone but on a different continent count one point.

- 7.2. Contacts within your continent (but outside your ITU zone) count three points.
- 7.3. Contacts with a different continent and ITU zone count five points.

Full set of rules at <http://www.arrl.org/contests/announcements/rules-iaru.html>

I talked with Dan Henderson N1ND about club competition and he said. Since this is not an ARRL affiliated contest. There is not a club category. The ARRL simple help facilitate this contest.

The nice thing is.. Every one stateside and DX counts points so there should be decent activity and the local verbal response to our sponsorship of the activity has been great.

I hope all club members will find at least a small slice of time to come out and operate, answer questions, ask questions or generally mull around in support.

Although this is a contest.. Our goal is to promote contest activities to the general ham population in the KC Heartland Area. All questions need to be answered, all hams need to be welcomed. Not only is it good for Associated Radio but also for Ham activity. We need to open our arms to those new hams who have never operated HF, never operated in a contest, or have poor opinions of those that do. This is KCDXC promotion 101. I have no question that our great group will take on this challenge with true Heartland Pride. All rewards in life are ultimately intrinsic. This is a chance to pass on a legacy.. The KCDXC contesting pride.

Summer Contesting

As the dogdays of summer approach contesting is the last thing on most minds, but not everyone.

Although the Big Contests all happen in the fall, winter and spring. Now is a good time to improve skills,

modify station setups, plan for next year. I prefer to be in my air conditioned radio room over mowing the lawn, fixing the gutters, pruning trees and weeding the garden anyway. A small contest or QSO party is just the ticket for a weekend off of the “extra duties” or Honey Do’s.

July contests

RAC Canada Day Contest , MI QRP July 4th CW Sprint , Venezuelan Ind. Day Contest, Kentucky QSO Party , IARU HF World Championship Jul 13, FISTS Summer Sprint Pacific 160m Contest , AGCW QRP Summer Contest, W/VE Islands Contest North American QSO Party, RTTY, CQ Worldwide VHF Contest 1800Z, Georgia QSO Party, CQC Great Colorado Gold Rush, Venezuelan Ind. Day Contest, CW Russian RTTY WW Contest, IOTA Contest 1200Z,

August contests

10-10 Int. Summer Contest, SSB, European HF Championship, North American QSO Party, CW ARRL UHF Contest, WAE DX Contest, CW, Maryland-DC QSO Party SARTG WW RTTY Contest, ARRL 10 GHz Cumulative Contest Keyman's Club of Japan Contest, SEANET Contest, CW/SSB/Digital North American QSO Party, SSB, New Jersey QSO Party, TOEC WW Grid Contest, CW SCC RTTY Championship, Ohio QSO Party , CQC Summer QSO Party, YO DX HF Contest

A few notables stand out. The IARU as mentioned above will be an event weekend for the club. The NAQP series of contests are always well supported, let’s try to get some team totals for: NAQP RTTY, CW and SSB in July and August. The WAE Series of contests offers a challenge and a little different format which requires passing information in QTC form. They’re fun contests and have been growing in popularity. For those who leave their 160M antennas up all summer, the Pacific 160M Contest should prove to be a bloody ear event during the summer. No pain no gain huh?

For those of us who are new to ham radio, contesting, or a little rusty and need to improve CW proficiency. Low profile summer events are perfect. The bands are relatively open (compared to a CQWW weekend) and the rate somewhat reduced allowing everyone to find a frequency and call CQ. Because activity is lower than in the big contests, each competitor needs your QSO as much as any one. Patience usually persists even at the cost of rate because of the lower activity levels. What could be better than a reduced rate for us CW challenged new hams. Looking forward to a change in seasons? Enjoy the Air Conditioning and get on the air!

BIG CROWDS TURN OUT FOR DALLAS HAMCOM

By AB0X

The Dallas Hamcom was held on June 7th and 8th at the Arlington Convention Center. Large fleamarket areas, interesting commercial booths and outstanding DX programs attracted large crowds this year. This seasoned writer and ham convention regular rates the Hamcom as the third best DX program, with only Visalia and Dayton better.

Tom Christian, spoke at the DX Luncheon and put on an excellent presentation with slides and commentary on his recent participation in the Ducie Island Dxpediton. Sponsored by the LoneStar DX Association Tom Christian also showed slides of his home Pitcairn Island and reminded all of its historic origin. He spent time answering questions from the crowd and stayed around afterwards to meet and greet all comers. It was an honor to meet Tom and thank him for two rare DXCC countries that he had given to nearly everyone there. K4UEE, ON4UN and others spoke at DX Forums later Saturday afternoon at the convention.

The picture below shows the huge indoor Flea market and commercial booth area of the Hamcom. If you look close at the picture, you might be able to see the Lance Johnson booth



An outside Flea market also operated for those brave enough to handle the Texas heat. Some great bargains



were available especially outside as prices declined as the heat index increased!

DX'ing From the Attic

Tom Rose k0zm

After over 25 years of DX'ing from the same QTH with a competitive station and antenna system, we decided to move to a villa home with a much smaller lot and deed restrictions. The reason why is another discussion. Let it be said that we wanted to get away from the weekly maintenance of the old home. Our non-ham friends said "great" and our ham friends said "are you out of your mind". The real answer is somewhere in between.

I have been a ham since 1956 and just a few short of Honor Role. Have 5 Band DXCC and have worked DXCC on each of the three WARC bands. We have won many contest awards over the years and remain an avid DX'er. CW is my main mode.

Now came the challenge, how to install antennas that will be able to work someone and hopefully DX. The first thing that I did was to examine the CC&R's. I found what I suspected, no external antennas or flagpoles. Not to worry, there was plenty of attic space with an East West orientation.

After thinking about the options, I realized that I had available the driven element from a Mosley TA33 with the 40 meter extension. That would give me 40, 20, 15 and 10 meters. The next step was to prepare an area for the antenna to fit into. With the help of Rob, ke5br, we put down some wood and plywood on the joists to give us a place to walk without falling through the ceiling. We took the antenna up into the attic in pieces and re-assembled it. It was then suspended from the rafters with nylon cord. The antenna has a low SWR on all four bands.

After working some DX, I was determined to get on 30, 17 and 12 meters, my three favorite bands. I thought about building and putting up a multiband dipole. I have built coax traps in the past but decided to purchase one from Spi-Ro Manufacturing who advertises in QST. This is a wire dipole with two traps on each leg. Once again, Rob and I went into the attic and strung the dipole parallel to the TA33 driven element. We pulled it tight and suspended the center coax connector from the rafters with nylon cord. This antenna has a low SWR on all three bands and there are no apparent interaction problems.

Now the time came to see if the antennas really work. Early on, running barefoot, I had some RFI/TVI problems. To the junk box I went and put clip on torrid chokes everywhere. Even put .01 disk capacitors on the stereo speaker leads, which really helped. Strange, the garage doors would open sometimes but that has not occurred recently. Believe the chokes have cut down the stray RF. Wonder what a KW will do!

The bottom line is that you can work DX with an attic antenna system. After a full year of using the new antenna system and chasing DX, I have played in several contests, had over 750 Q's and worked over 130 countries.

DX IS!

KANSAS DX & POETRY SOCIETY MEETING DRAWS HUGE CROWD! REPORTED BY ABOX

The annual meeting of the Kansas DX & Poetry Society was held on June 15, in Tonganoxie, KS. The meeting was held in the cafeteria of the Godzilla Products Factory. Over 300 active Dxers attended the annual bash with guided tours of the Godzilla Factory offered to all interested hams prior to the KDXPS meeting. Many came to just to get a look at the new Flamethrower III Linear Amp on the production line. All who made the tour received free lapel pins of our hero Godzilla showering Tokyo with a fiery breath.

It was certain that all who attended definitely had an appreciation of the finer things in life, like poetry, DX and high power amps!

The President of the KDXPS, KOZM, opened the meeting with a reminder announcement that the organization does not offer bail money if members are arrested in their excessive jubilation over fine poetry or from abusive drinking of alcoholic beverages. Next, Godzilla President, Koshi Yomama, was awarded an Honorary Membership Certificate in the KDXPS by KOZM.

Koshi told the group "Remember! If you Key your Amp and the lights don't dim! You need a Godzilla Amp!"

He then smashed an aluminum 807 can on his forehead, much to the delight of the crowd! A huge roar of applause shook the room and an intoxicated Johnson County Dixer yelled out in support of Koshi, "&#@* Alpha!"

A loud impromptu belching contest followed in a corner of the large room. Without a doubt, the boys from KU were in attendance!

Officers of the KDXPS were a little worried that the early celebration might detract from the real reason they were all there: The Limerick Contest! Nevertheless, they opened the contest by reverently reading a W9BRD verse from the past:

*Von Querk sits there screaming his call
It's enough to make rugged men bawl.
When asked who he's after
He answers with laughter,
"Dunno, I'm just joining the brawl."*

The next contestant that was called up to the mike had obviously matriculated at K-State and represented the Red Neck DX Club of Kansas. He had a John Deere cap

pulled down over his eyes so the bright lights on the stage didn't interfere with his poetry. He wore a purple tee shirt of the "Power Cat" design. Before he started he pulled out a spit cup from his jacket and made a deposit. It was obvious this Dixer and poet knew the difference between fertilizer and manure! I was getting worried the judges didn't, though!

The crowd cheered and yelled out "Our Mentor!" Some old timers from the Social Security Section had tears in their eyes as WOJM spoke up and said "They don't make 'em like Rod Newkirk anymore! He could make laugh and still make a statement about DX.

When all the tears were wiped out of everyone's eyes the Limerick Contest was started. A young fellow with a Yaesu tee shirt on, who bore a striking resemblance to NWOL, was called up to the mike. He appeared a little nervous amidst this crowd of long neck drinkers and Honor Roll Dxers. Nevertheless, he pulled out a crumpled sheet of paper from his pocket and commenced:

*Ole Dixer Tom McDuff's,
Rice box wasn't up to snuff.
He said "Woe is me"
"Now I'm QRP!"
Wish Kenwood had been more tuff!*

The crowd was apparently full of Icom and Yaesu owners because they broke into loud foot stomping, whistling and belching! The judges duly noted the decibel level on their "Crowd-O-Meter."

Some loyal Kenwood owners in a corner of the room stood, bent over, and pointed at their ample behinds! One looked a lot like our own KCDXC President, but the room was too dark to QSL!

The next Poet called to the mike wore a flannel plaid shirt and had his pants hiked up a little under his left nipple. The Social Security crowd cheered loudly for their official rep. The old timer cleared his throat and said "I wish we could send these limericks in CW!" He was experienced and knew how to influence the judges as they all winked and give each other high fives as he started to recite:

*Old John said to the young snot,
You think you know a whole lot!
Just working a test,
Doesn't mean you're best!
A Dixer you're SO NOT!*

The crowd exploded in loud applause and bottle clinking! Two old poets and Dxers tried to send CW with loud belches, but ran out of stomach gas before they completed their "QRZ DX!" The judges were impressed and the "Crowd-O-Meter" was nearly pegged. It was

obvious this year's competition was going to be fierce.

The next contestant that was called up to the mike had obviously matriculated at K-State and represented the Red Neck DX Club of Kansas. He had a John Deere cap pulled down over his eyes so the bright lights on the stage didn't interfere with his poetry. He wore a purple tee shirt of the "Power Cat" design. Before he started he pulled out a spit cup from his jacket and made a deposit. It was obvious this Dixer and poet knew the difference between fertilizer and manure! I was getting worried the judges didn't, though!

He started off by saying "Hola" into the mike a few times just like he did on 20 Meters. He said "I wanna thank Bill Snyder for the new bridge into Manhattan." The crowd exploded in loud applause and cheers. The entire room was out of control! The first young contestant had to be restrained and yelled out "Foul! Foul! What does that have to do with the Limerick Contest?"

One preppie from KU also protested saying "Yeah, he's a farmer: Outstanding in his Field!"

The popping of cans drowned out the protests and the contest finally started again: "Alright then," said the purple clad poet:

***Old Red Neck, Jim Bob, the ham,
Said nothing's finer than Spam!
"I love that canned meat,"
"Cheap and good to eat!"
"But hurts my colon, Oh, Damn!"***

Loud whistling and stomping followed the verse. "I know that's right!" was repeated by numerous members of the crowd. Yet, the judges noted that the poetry was a little off the topic of DX and ham radio. However, the "Crowd-O-Meter" had stayed pegged nearly a full minute. It would take some very creative poetry to beat out this limerick. As Defending Champion of the KDXPS Limerick Contest for the last 17 years, I was a little worried about my chances this year! The last contestant had really pulled the heart strings of the crowd with his reference to Bill and the KSU boys. Perhaps, it was a foul. But, how do you convince 300 intoxicated Dixer that he had "tail ended?"

Despite the controversy, the next contestant was called up to the mike to recite. He was dressed in Cardinal red and had obviously traveled across the state of Missouri from St. Louise, as some residents from KC say. This poet and Dixer was clearly abreast of current events in DX. His poetry reflected his latest battle in the pile ups:

***The Pile up for the P5,
Sounded like a big bee hive.
I screamed loud and yelled,***

***'Twas to no avail,
"Damn, he's worked another 5!"***

There apparently were many Dixer in the crowd who had experienced the same phenomena as this Dixer from St. Lou, because the crowd roared their approval! Back slapping, whistling, top popping, belching and bottle clinking noise consumed the large room. Comments were heard like "Yeah, them lucky 5's always have propagation!"

The "Crowd-O-Meter" hit the peg hard and the judges were seen to secretly wink at each other! It was clear this was the guy to beat.

Luckily, being the Defending Champion I had the opportunity to recite last. I only hoped the alcohol had taken control of the brain cells! I put away the limerick I had planned to read, and looked in my pockets for my emergency poetry. My first find was a little ditty about "a YL from Salina who put a microphone in"Nope, too vulgar! I searched a little deeper. Only one DX limerick was found. I knew I would have to give it my best. I even considered saying something about Roy Williams. Surely, I needed something to sway the Kansas crowd. See what you think:

***Young Ralphie turned his big beam,
With a rotor powered by steam.
It sissed and popped,
His beam really hopped!
And made his neighbors scream!***

The little pearl worked! The room exploded with laughter and whistling. The needle in the "Crowd-O-Meter" hit the peg so hard it bent the needle in half! Dixer who appreciate the finer things in life yelled out "#@*% the Neighbors! Long Live DX!"

The judges huddled quickly and voted. One who voted negatively had his Honor Roll pin ripped off his chest by the other four! The chairman moved quickly to the mike and said: "In the true spirit of this competition. We believe one poet, our Defending Champion, best exemplifies the heritage and spirit of our mentor, Rod Newkirk. They handed the big silver cup to me one more time. My acceptance speech was drowned out by whistling, belching crowd who rushed to the parking lot for the expected fist fights.

Two old timers in the corner yelled out "You think you're great, but a Newkirk you ain't."

I quietly accepted this evaluation and ducked the last thrown beer bottle as I slipped out the side door. But, such is the life of a DX Poet!

The Ohio/Penn DX PacketClusterDX Bulletin No. 566BID: \$OPDX.566June 17, 2002Editor Tedd Mirgliotta, KB8NWPprovided by BARF-80 BBS Cleveland, Ohio

3B9, RODRIGUES ISLAND. Robert, 3B9FR, was heard this past weekend on 18140 kHz around 1245z. He was also heard this past week on 21285 kHz around 11315z. QSL via the address on qrz.com.

3DA0, SWAZILAND. Frosty, K5LBU, will once again operate from here between **July 11-18th** as **3DA0CF**. Andre, ZS6WPX, will be his host and take him to the station which should have a 3 element tribander plus dipoles for the low bands. They hope to put up something for 6 meters during this time. Frosty plans on bringing a RigBlaster to try some PSK (if he can learn how it works), otherwise it will be all SSB. He also plans to be in the IARU Contest. Frosty states he will arrive in ZS-land on the July 5th and leave for Houston, Texas, on August 4th. He teaches school, so he has to be back by August 9th. QSL via K5LBU direct or bureau. SASE or SAE and USD or IRC.

3X, GUINEA. Baldur/DJ6SI and Tom/DL1QW are active from **Conakry** as **3XA8DX** until about **June 24th**. Expect CW activity from Baldur and SSB/RTTY activity from Tom on 160-6 meters. QSL via home callsigns.

BY, CHINA. Jean Michel, F6AJA, informs OPDX that he will be in **Nanjing** from **June 26th through July 1st**. His licence is valid up to May 2004, and he is expected to sign homecall/clubcall. Jean states he will probably be **F6AJA/BY4RSA** or **/BY4WNG** from the University. He would like to say thanks to Michael, BD5RV, for his help.

D2, ANGOLA. Joan, **D2U**, was heard this past week on 40 meters CW and this past weekend on 30 meters. Watch 7010 kHz around 2130z and 10120 kHz after 0045z. QSL via CT1BFL. Also, **D2EB**, was heard on 15 meters CW/SSB this past week. Check around 21215 and 21017 kHz (plus/minus a few) after 1100z and again after 1830z.

ET, ETHIOPIA. Operator Aleksej, RX3DD, was heard active as **ET3AA** on 15 meters this past week and weekend. Activity was on 21210 or 21297 kHz between 1300 and 1600z. QSL via Box 60258, Addis-Ababa.

FP, ST. PIERRE AND MIQUELON. Paul/K9OT and Peg/KB9LIE will operate from **Miquelon (NA-032)**, **August 11-19th**, as **FP/K9OT** and **FP/KB9LIE**. Operations will be on 80-6 meters CW and SSB only; 160 will be attempted. This is a low-key vacation trip with 100 watts to wire and vertical antennas. Rigs will be a Ten-Tec Jupiter, Yaesu FT-900 CAT, and Alinco DX-70TH. Special emphasis will be on 30, 17, and 12 meters. They will enter in the **North American QSO Party SSB Contest**, and they will use the Green River Valley ARS club callsign **FP/K9WM**. QSL via their homecall, except FP/K9WM QSLs go to NN9K.

FR/T, TROMELIN ISLAND. Jacques, FR5ZU, continues to be active from here. His activity during the past week has been mainly on 15 meters (21225-2130 kHz) SSB, but some RTTY operations on 20 meters. Look for him between 1330-1400z, 1730-1900z and after 0330z. There have been a few SSB QSNs reported on 20 and 10 meter. QSL via JA8FCG.

P5, NORTH KOREA. Ed, **P5/4L4FN**, is once again up and active. Activity during last week seemed to be mainly RTTY operations (at 50 baud) on 15 meters. However, he has been active on SSB during the weekend during his usual time. QSL via KK5DO

SU, EGYPT. Bob Blumberg, K4RB, an active contester, is now licensed as **SU9US**. He will be active in most CW and some selected SSB contests from his QTH in **Cairo**. QSL via K4DX, direct only w/SASE/SAE-IRC/etc, no bureau.

SU, EGYPT. Alan, VK6BN, is now active as **SU9BN** from **Sharm El Sheikh**, Southern Sinai. He has been active on CW and PSK31 on 20 meters between 0230 and 0530z. Alan has been stating to QSL via VK6BN, but OPDX was informed early Sunday morning by Fran, EA7FTR, that he is now the QSL Manager for Alan. His address is: Francisco Lianez, Asturias 23, 21110 Huelva Spain.

TF, ICELAND (and also OX). Ramon, XE1KK, will be active as **TF/VE7RKK** from **July 2-8th**. Activity will be on the HF bands and UO-14. During that week he will try to make a 2 or 3 day visit to **Eastern Greenland** and operate UO-14 satellite only as **OX/VE7RKK**. There are plenty of good orbits to work him from most of North America, all of Europe, North Asia and even North Africa on this low orbit satellite. QSL to XE1KK, via the bureau is preferred.

TK, CORSICA. Look for Isabelle, F5BOY, to be active as **TK/F5BOY** from **June 14-24th**. She will be mobile on 10, 15, 17 and 20 meters.

XF4, REVILLA GIGEDO. Ramon's, XE1KK, DXpedition to Socorro Island announced for the end of the year is now

postponed indefinitely.

XW, LAOS. Champ, E21EIC, will be back in Laos again and will be active as **XW1IC** from **June 19-29th**. Activity will be on 80-10 meters (maybe 160m) and the WARC bands on modes CW, SSB and RTTY. For PSK-31 and SSTV, you must request for a specific mode and bands. QSL via E21EIC (OK for direct or HS bureau). ADDED NOTE: More than 1000 XW1HS QSL cards have now been sent out.

XY, MYANMAR (Update). The August operation to Myanmar has been updated. The schedule now includes dates, locations and activity as follows:

- _ **August 2-8th: Yangon**, 80-10 meters, including the WARC and 6m; one station.
- _ **August 9-22nd: Ngapali**, 160- 10 meters, including the WARC and 6m; up to 4 stations.
- _ **August 16-19th: Apaw-Ye Kyun**, New IOTA (Arrakan Group) now permitted, 80-10 meters, including the WARC and 6m; 2 stations minimum. IOTA activation length 4 days, possibly longer.

Expected callsigns to be used are **XY3C**, **XY5T** and **XY7V**. For up-to-date info, on "Myanmar2002", check the Web site at: <http://www.dx-pedition.de/myanmar2002/>

YA, AFGHANISTAN. Plenty of activity from this one over the past week by **YA/DL5NAV** (mainly CW, some SSB, 40-10 meters including the WARC), **YA/G0TQJ** (mainly RTTY, some SSB, on 15 meters), **YA3GIB** (20 meters SSB, Op is UA3GIB) and **YA5T** (CW/SSB on 30-12 meters).

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FIRST CLASS

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