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WESTERN WASHINGTON DX CLUB, INC.
TotemTabloid

October 2009



Western Washington DX Club meeting will start with dinner at 6:30pm and the program at 7:30pm on Tuesday, September 8th at our **OLD LOCATION** - Lake City Elks Club – 145th and Lake City Way.

October Meeting

Tuesday, October 13, 2009
Dinner at 6:30pm – Program at 7:30pm

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Lake City Elks Club
145th and Lake City Way

2009 Washington Salmon Run

By Jim Hadlock, K7WA

September 19th and 20th marked the eighteenth Washington Salmon Run which the WWDXC started in 1991 following the Boeing Employees Amateur Radio Society's long running Washington State QSO Party. Over the years the Salmon Run has grown in participation and stature – this year was no exception with over 200 logs received already and several stations reporting over 1,000 QSOs during the 23 hour contest period.

In addition to operating their home stations, many WWDXC members and other Washington amateurs went out to the rarer counties in their Mobiles and on County Expeditions. Even though propagation conditions limited us to 20 meters and down, there was activity on the bands from Saturday morning into Sunday evening. Stations were active on 75 meter SSB throughout the weekend looking for and providing counties throughout the state. Several Club stations were active, including our own W7DX put on by Rick, KT7G, and others in the Vancouver area.

If you were active in the Salmon Run, for one QSO or one hundred, please send your log to salmonrun@wwdxc.org - we are beginning to review logs and prepare the results – deadline for log submissions is the end of October. We're working hard this year to have results out by early December.

We hope you had fun in the 2009 Salmon Run, and we'll see you in the 2010 edition!

The 2009 Salmon Run Team: K7WA, NG7Z, N9ADG, WA0RJY, N0AX, and others

2009 Washington Salmon Run Soapbox Comments

Call: K1GIG I had more contacts but couldnt get the two loggers to combine. Before the next contest, I will figure that out!

Call: K4BAI FT1000MP, Alpha 78, 1 KW, TH6DXX, dipole, inverted vee. Thanks for all the QSOs. Particularly the mobiles. See you all next year. 73, John, K4BAI.

Call: K4XU WE ARE JUST TOO CLOSE TO GET MUCH ACTION. I had to work at the museum on Sunday so I was only able to operate a few of the hours the second day. My hat is off to the 17 stations that heard me backscatter on 20m. Some of the QSOs took a lot of patience from the operators who had otherwise loud signals waiting to work them. Guess they needed the Oregon mult? Thanks for putting on a great party. Next year I'll do it from MO like the Wardster.

Call: K5LH OMNI 5, wire dipoles. Virtually no mobiles. Worked all counties and stations I heard, except WHA (N3QQ). Participation seemed less enthusiastic than in previous years. See you in the TX QSO Party next weekend. Chris, K5LH

Call: K7AR Thanks to all the participants, it's fun chasing all the WA counties for mults even in-state.

Call: K7HBN No 80 meter antenna (bad W2VS KW-40 traps) = not many Wa county mults. The antenna worked great on 40. Decided against QRP this year as I have enough salmon in the refrigerator. Great fun as always.

Call: K7IA Who could ignore W7DX's offer of 500 bonus points as part of his SSB CQ?! Enjoyable QSO

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Party. Special thanks to the ops who took some time for a chat along the way! Thanks to WWA DX Club for sponsoring the event and for stimulating operators to cover Washington's counties!

Call: KE7YF IC-746 PRO 100W 20M Antenna: Rotatable Dipole made from hustler mobile antennas at 3 meters height 40M Antenna: Ground mounted nine foot hustler mobile antenna, no radials Worked W7DX for 500 bonus points (CW)

Call: KG9JP ADD 500 BONUS POINTS FOR EACH MODE PHONE CONTACT WITH W7DX 500

Call: KN4Y Operated CW and did not hear but one mobile station. Once all the fixed stations on 20-meters were worked, sit back have a beer and wait until 40-meter opens and work the same stations. Without mobiles it was boring.

Call: KS7S I played around a few hours in this QSO Party - it's one of my favorite state parties (Top Score - 7th District in 2006) but other commitments didn't allow full participation. Still working on "learning" the new K3 also. The total score shown is only the CW points (16 mults + 500 point bonus) as I didn't make the required number of contacts on Phone and Digital to be a mixed entry. Thanks to the WWDXC for sponsoring the contest and to everyone for the Q's!

Call: KV8Q 500 Bonus points for W7DX

Call: KX7L I wondered whether to go QRP again this year, since RFI problems here are mostly gone, but decided to stick with tradition. Things got off to a rip-roaring start Saturday morning on 20, with 3 Europeans answering my 5W CQ. But then the band petered out by late afternoon and things never really re-ignited on 40 and 80. Only heard W7DX at the very end, but couldn't raise him. Still, had a lot of fun, and my best score in a long time.

Call: KY5R Thought I could squeeze in more time but T-storms wouldn't allow much operating time during the weekend. 7in of rain in 4days go figure. Hope all WA op's had fun. Wished I could have put more "time in the seat". TNX fer the Q's Tim, KY5R obtw lived in Kitsap Cnty from 1970 to 1978.

Call: N0AX Interesting to be on the "other end of the line" this year, so to speak! Station here in MO is an FT100D and a 105' dipole at 30' with a high noise level on 20 in particular, so it was just about 100% S&P for me except for a few QSOs on 80 meters. I didn't hear any of the mobiles, consequently, but did manage to land 21 counties with Cowlitz being the last on the stringer. I heard several other MO stations in there, so MO should not have been a rare multiplier in-state. I hope the evening 75 meter round-table was as fun as it always is and would have loved to check in, but maybe next year with a higher antenna and a little more time.

Call: N0KM Very enjoyable event! Had great condx on 20 to WA, pretty good on 40, nil on 15. Thanks to all who participated!

Call: N2CU Score includes 1500 bonus points for the trifecta with W7DX. Thank goodness NU7J showed up mobile, and later W7WMO. Nice to have made 11 RTTY and 3 PSK31 QSOs too! Participation seemed down this year though. On Sunday, three not-very-nice gentlemen decided that the spotting network was only for complaining about FT5GA, and not for spotting Salmon Run participants. You can check what they said about me by searching the spot history. My guess is they suffer from the small-man syndrome. Oh yeah, I worked FT5GA on 20m SSB Sunday while trolling dodgers and flies for salmon, which leaves me two away from having them all (ZS8 and VK0/h). FT1000MP, TH6DXX @ 48', 2x40m slopers, 80m 1/2 sloper, N1MM (of

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course), MK, strong will and coffee. Salmon? Yum!

Call: N4CD Includes 500pts with W7DX. Lots of activity and stations to work - and most on for a least a few hours. Way to go Washington! IT was a good one. Missed NU7J/m in a few...just not there on my R5 vertical in TX. Otherwise, stations loud on 20M for most of day - fixed ones. Caught W7WMO (rover) in a couple good ones. The rare counties didn't seem to be around, but got a few new ones in the state this time. Listened on 15M but not a peep. Usually real good path to WA on 15M, but lack of sunspots killed that band completely. ANd of course, listened a few times on 10M, but not even anything other than local birdies. Well, we can dream! 40M good Saturday night.

Sure beat the pants off the SC QSO party going on at the same time. (did anyone work the bonus station in SC QSO Party? Was it even on the air?). Good showing from the folks in Washington State - makes it fun to get on and work them!

Call: N7LR I especially enjoy the Salmon Run because I can work every station I hear. Sorry I couldn't spend more time.

Call: N7NM Limited time on this year but had a great time. Lots of people to work and good conditions on 20 on Sat. morning. Later, visited W7VJ's world class station and can say I've never had more fun contesting when he allowed me to run 40m with his 4el yagi at "way up there"!! Thanks for the experience Andrew! Back to reality Sunday morning, not as good conditions but still lots of stations on until Football started which is about when my amp blew a fuse so I was done anyway!
Can't wait till next year when I should have some actual aluminum in the air. Thanks everyone for the participation making this one of the best contests of the year for us propagation starved Northwesterners!

Call: N9FC PAUL NG7Z MISS YOU

Call: NG7Z Split my time between home and the MO effort at N7KE hosted by Mark KB7N. Thanks for the Q's at both locations. I was very pleased with the performance of my new 80M loop at home which replaced an OCF dipole. All the effort of stringing the wires thru the confounded tree limbs paid off. I've never had such good numbers on 80M since moving here in 2004. Looking forward to better scores in all contests this season.

Call: NU7J K9JF and I teamed up for an NU7J/m multi-op Salmon Run Rover operation. We set up camp at a campsite in Wahkiakum County (WAH), a small county on the Columbia River. Propagation was lousy most of the time, but at least it was a quiet location with no nearby power lines. I selected the campsite that had the most convenient antenna supports, including a 30 foot flagpole to support the 80M doublet. There was a large hill immediately behind our campsite to the north, which probably wasn't helpful, but it was a clear shot in other directions. The view overlooking the Columbia River was outstanding. We spent most of Saturday mobiling around Wahkiakum, Pacific, Grays Harbor, Thurston, Lewis, and Cowlitz counties. A highlight was having an enjoyable eyeball QSO with the W7PU multi-op crew (Grays Harbor County) on our drive through Grayland. The W7PU club had a nice antenna setup using a trailer mounted tower. Another highlight was when we stumbled across a restaurant that served FB oysters, with secret spices cooked over the fire on the sidewalk outside the restaurant. Their clam chowder was FB too. The weather was great and we enjoyed a short walk to the beach at Grayland State Park. K9JF managed to work Timor (4W) for a new band-country on 30M before the contest started on Sunday. I kept Jim well fed at the campsite with Dinty Moore stew, hamburgers and hot dogs. It didn't occur to me to cook a salmon...then again most of them were on the radio this weekend and were probably suffering from RF burns.

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75M was a lot of fun on Sunday morning, with a steady pileup at times and lots of new WA county mults. We took the antennas down around noon on Sunday to break camp. I managed to make a few more Q's on 20M SSB on the drive home, through WAH, COW, THU, PIE and KING. Unfortunately the key jack on my 857 failed on Sunday morning so I wasn't able to work CW from the van. I didn't hear many stations on my drive home, but I did work W0BH a few more times, and also worked JA1BK (S9 plus 20dB!) while driving through downtown Seattle on I-5. We greatly appreciated the 10 or 11 Q's from W0BH. I thought that was an impressive feat until I read on W0BH' qrz.com write-up that he worked N8II 97 times in the KS QSO Party! Looking forward to better band conditions for the next one! Thanks to everyone for working us from the rover.

Call: VA7ST Ouch. My lowest SR score ever. No propagation between BC and WA this weekend on 20M, and barely any on 40M. Called some stations 10x or more and they just didn't hear me. Tried at a variety of times Saturday afternoon and Sunday morning to little effect. Just too close, and too far off the beaten path (in the nulls) for WA stations to hear while pointed at the masses. Suppose 80M was the hotbed for short-range activity this year.

Call: W0BH Score includes 1500 bonus points for a triple play with W7DX. Another enjoyable Salmon Run in the books! Conditions were excellent from Kansas to Washington all weekend long although I ran out of new folks to work fairly quickly. NA reports my operating time as 11:12, but I'm sure it was considerably more than that since I have my off-timer set to 15 minutes and it wasn't unusual to go 15 minutes without a Q.

Saturday evening, I switched from the Salmon Run to SSB Sprint for four hours. Since I operate HP in the Sprint and LP in the Salmon Run, I couldn't count Qs for both. A number of WA stations I tried to work again just DUPED me so I finally gave up trying. From Washington, the Sprint would be a great way to get a quick boost to your score because everyone in Sprint is desperate for contacts after the first couple of hours. You don't have to enter Sprint, just give out a serial number along with your regular report. Since 20m was really long at 0000Z, I ran out of Sprint contacts after about 15 minutes, but I did hear a "CQ Salmon Run" from a call I didn't recognize. I turned off the amp, switched over to my SR log, and was very surprised to log Ferry county, one of four I still needed!

Overall, I worked 37/39 counties and missed Lincoln and Pend Oreille. I knew W7WMO/m was heading to Lincoln, but when the rate meter dropped to 7 on Sunday afternoon, I headed into Hesston College to open up the computer lab for the students. When I returned 45 minutes later, I'd missed Lincoln. Later, I worked an op who gave me "59 Washington". When I asked his county, he said "I live in Lincoln county." I happily typed in LIN in the computer when he added, "but I'm visiting a ham friend and am actually in Grant county using his station!" I've also been skunked on Pend Oreille county 3 years in a row now. I worked a number of ops in Stevens county, so perhaps next year one of them could mobile over there and no doubt generate a huge pileup!

I worked six or seven mobile stations, but only three that I know of were actually out mobiling for the SR. Special thanks to Tom and Jim in NU7J/m for 11 Qs. I had one Q each with KK7JL/m and W7WMO/m. W7AML also came through again in the southeast corner with Columbia, Garfield, and Asotin counties .. good work! Overall I worked 221 unique calls. And thanks to the Western Washington DX Club members and all the ops who worked hard so they could play hard in another fun Salmon Run!

Call: W1NN There didn't seem to be that much activity during the short time I was on. But the few signals I heard on 80 were very strong. I still have very fond memories of my 1994 mobile operation in the 1994 Salmon Run (I was K8HVT then). Hard to believe it's been 15 years. The scenery was magnificent. I sure hope I can do it again someday.

Call: W2LHL Many interruptions by outdoors work.

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Call: W6AQ I added 500 points for working W7DX. I worked only QRP CW this time in memory of my good, late friend Alan Kaul, W6RCL, who was originally from Washington State and loved CW, QRP, and the Salmon Run.

Call: W6FA Sorry I couldn't work more, but NA Sprint took over...

Call: W7DX Abysmal conditions, I have done better on 75 ssb with a 100 watt mobile in other years. Cq for long stretches with no responses with spots. Hats off to Jake (N7WO) for 170 of the CW qso's with his bug, not computer keyed. Thanks also to W7ABC, KD7KWO and K7JAO. KT7G

Call: W7KAM One of the best QSO parties!

Call: W7NNN Great Salmon Run as usual. Did not hear 5 counties however. Throat is very sore. No DVK. Was surprised with all the DX participating this year. Worked several new ones. See you all next year!

Call: W7PRC Story and Pictures – <http://bmoran.onehub.com/salmon-run-2009/pages/salmon-run-2009>

Call: WB2ABD claimed score includes 2 bonus contacts K3 blew a gasket, again ... : finished with Orion-2. Had to resort to manually logging on N1MM, and no RTTY : unprepared for this Murphy-shpiel! Made more contacts than expected. I guess WA stations have good ears. Heard nil on 15 and 160. Had to lose a couple hours cutting grass and "entertaining" the dog. Kind of hard to tell who was mobile, portable, etc.: at first I thought I was logging the wrong county. Anyway, it was a fun weekend despite the gorgeous wx and skookum radio here...

Call: WB8JUI This year's running of the salmon was pretty rough. Poor conditions on 20, and no propagation on the higher bands. I had also hoped for a few 160 contacts, but nothing heard. 44 unique calls in the log with 19 of those worked on 3 bands. Mobile/rovers worked more than once include W7WMO (4) & NU7J (3). Thanks to all for the QSOs.

Call: WC2Z THX FER THE CONTEST. 73 ALL TILL NEXT YEAR.

Call: WF7T In spite of the poor conditions on 20M from here, my thanks to all for a fun QSO Party from my old stomping grounds. I did not have the fortune to contact any mobiles, but I did finally complete with W7DX for a bonus. I was up and down from my operating chair during the contest, so I am sure I missed out on some of those rare counties. See you next year then! 73 Brad WF7T

Club Survey Results

By Adam K7EDX

Thank you to all of you who took the time to respond to the club survey. The information gathered is valuable to the board. Some of the results were much different than the board expected. This is exactly why we conducted the survey!

#1 Who are you? Surprisingly 2 of you didn't know. Ha ha.

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#2 How satisfied are you with our current meeting location, disregarding food quality? **75%** of you said The Elks Club was **Adequate** to **Completely Satisfied**.

#3 How satisfied are you with the quality of food at our current meeting location? **73.8%** of you replied the food was **Adequate, and 4 of you would eat it everyday!** Some of the our board members are much pickier than myself!

#4 How often would you prefer to have club meetings? **81.8%** of you preferred meeting **Every Month**.

#5 When would you prefer to meet? **90.7%** of you preferred to meet **During the Week**. I'm sure there are many reasons for this. Family obligations and of course Contesting!

#6 At the club meeting, would you prefer the availability of a meal? Surprisingly only **38.6%** said **Yes**. **54.5%** of you said it **Didn't Matter**.

#7 What is the maximum price you would be willing to pay for a meal? **47.6%** of you said **\$20**. **35.7%** of you said **\$15**. And **16.7%** of you said **\$30**. Knowing the "ham" spirit we weren't surprised by these results.

#8 Would you prefer that alcohol was available? **57.8%** said it **Didn't Matter**. **35.6%** said **Yes**. Well now we know that at least half of the club leaves the meeting sober!

#9 Where would your preferred club meeting location be demographically? **34.1%** **Seattle**. **27.3%** **Eastside**. **20.5%** **Kent/Des Moines**. **18.2%** **Everett**. In other words our members are everywhere! (If Eastern Washington would have been a choice there'd be a couple guys that would have voted for that!)

#10 What is the one primary reason you attend, or have attended the monthly club meetings? **52.4%** of you said **Socializing**. **47.6%** of you said **The Program**. This was an especially valuable question. It told the board that the Program really matters!

Once again thanks to everyone who responded to the survey. Ham radio is a lot of fun and the club wants to add to your enjoyment of this great hobby! Just remember to give back to this hobby that's given you so much! Like baseball it's more fun to play than watch!

73 and good DX!

Travelling Trophy Contest Participation

For each person participating in a contest activity (as a single op or as part of a multi team) that contributes to the WWDXC travelling trophy score, a entry in a special 'participation raffle' will be made, a drawing for prizes TBD to occur at the end of the contest season. Example: W7XYZ submits scores for CQWW SSB, Salmon Run, and ARRL DX CW. Since only two of these (CQWW and ARRL DX) count towards the trophy, W7XYZ will receive two tickets in the raffle.

Contest Activity for October 2009

by Mike Dinkelman, N7WA

Another Northwest Trophy hunt has begun with the CQWW RTTY Test. Seems to be a larger number of

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entries than I remember from the past. Keep it up, we'll need every bit to wrest that trophy out of the hands of the BCDXC. The next qualified test will be the CQWW SSB at the end of October.

2009 CQ WW RTTY - WWDXC Claimed Scores

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| Call                           | Q    | Pt   | StP | DX  | Z  | hr    | Score     |
|--------------------------------|------|------|-----|-----|----|-------|-----------|
| All M/S HP                     |      |      |     |     |    |       |           |
| K7BTW(@N9ADG)                  | 1398 | 2652 | 172 | 179 | 87 | 48    | 1,161,576 |
| (K7BTW,K7EDX,N9ADG,NW7D,W7VXS) |      |      |     |     |    |       |           |
| All SOAB HP                    |      |      |     |     |    |       |           |
| K7QQ                           | 1136 | 2341 | 145 | 142 | 70 | 26    | 835,737   |
| W7MRC(NG7Z)                    | 642  | 1121 | 125 | 81  | 46 | 17    | 282,492   |
| W7VP                           | 459  | 898  | 94  | 95  | 59 | 15.25 | 222,704   |
| W7NNN                          | 606  | 1025 | 102 | 65  | 33 | 16    | 205,000   |
| All SOAB LP                    |      |      |     |     |    |       |           |
| AB7R                           | 422  | 875  | 83  | 76  | 53 | 21    | 185,500   |
| K7HBN                          | 360  | 795  | 73  | 85  | 46 | 19    | 162,180   |
| K6KR                           | 185  | 333  | 64  | 53  | 36 | 12    | 50,949    |
| KX7L                           | 94   | 179  | 31  | 36  | 32 |       | 17,721    |
| All SOAB(A) HP                 |      |      |     |     |    |       |           |
| K7EG                           | 340  | 741  | 73  | 92  | 49 | 15    | 158,574   |
| KT7G                           | 184  | 399  | 50  | 60  | 37 |       | 58,653    |
| W7ABC                          | 150  | 297  | 54  | 52  | 34 |       | 41,580    |
| All SOSB/20 HP                 |      |      |     |     |    |       |           |
| N7BV                           | 397  | 871  | 50  | 24  | 46 | 13    | 104,520   |

### Soapbox:

K7QQ: Big surprise with 15 on Saturday morning.

W7MRC (NG7Z): What a hoot that was! Wall to wall signals. Best score ever in a RTTY contest. Running 500W this time sure made a big difference. Nice surprise to get a call from 7Z1SJ in Saudi Arabia. First time ever working SA. Thanks for the Q's

W7VP: Good contest. 20 meters was a hoot with signals from 030 to 145, Good country and zone coverage except for Africa (Morocco was QRV) and zone 2. Several openings to SA on 15. Limited Asia openings during the the limited times I could operate (15 hours). Even some good 80 meter activities. Too much action for SO2R and did not use it.

W7NNN: Great contest. Pretty good condx on 20 meters. 40 meters wasn't so hot. Nice to work Kuwait and other DX from that part of the world. See you next year.

K7HBN: Fun contest, 20 meter activity level unbelievable both days. I even managed to work all continents on 15 thanks to EA8 and IT9 and a couple of timely JA's. Low power can be frustrating at times but all in all I had a great time.

K6KR: First RTTY contest. Had a great time!

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KX7L: After the news of the previous week, a song by the Police was stuck in my head "There's a little black spot on the Sun today.." I was originally going to just see what new dx I could find, but I was having so much fun I couldn't stop.

K7EG: Started late. Quit early - 15 hrs. Had to overcome a couple of technical malfunctions. Good NS and Asian paths. EU was poor Sat but good Sun. As always rtty is favorite contest mode followed by cw.

N7BV: Due to other commitments, didn't have any time Saturday, so did a casual 20m SB 13 hour effort.

K7BTW:It was a great contest. Conditions were pretty good with openings to all parts of the world on 20m. 40 meters was good too. Thanks to k7ir and steppir for the use of the tower on a trailer. Don, w7vxs and Gordon, nw7d turned out to be great rtty ops who added a lot to the team this year. Adam, k7edx, was new to rtty and he turned out to be a fast learner, as was expected, and contributed much to the effort. Thanks to Adam and Brian for all there set up work, especially the trip to Moses Lake to pick up the trailer tower. And thanks to Caroline, Brian's xyl, for giving up the house for the weekend.

## DX Packet Alert Network Frequencies

By Bob Nielsen, N7XY ([n7xy@clearwire.net](mailto:n7xy@clearwire.net))

K7EK-1 - Spanaway (DX Spider Node), K7EK sysop.

Telnet to: [k7ek.dyndns.org](http://k7ek.dyndns.org), port 9000

RF: 144.91 MHz - Connect to network node W7DK-5, then type DXC.

145.01 MHz - Connect to network node SEA, then connect to network node K7EK-5, then type DXC.

N7XY Bainbridge Is. (DX Spider Node), N7XY sysop.

Telnet to [n7xy.net](http://n7xy.net), port 7300

W7JD-2 - Spanaway (CC Cluster Node - South Tacoma Contest Club), K7EK sysop

Telnet to [k7ek.dyndns.org](http://k7ek.dyndns.org), port 7373

RF: 144.91 MHz - Connect to network node W7DK-5, then type DXC2.

145.01 MHz - Connect to network node SEA, then connect to network node K7EK-5, then type DXC2

W7PKT Auburn (DX Spider Node) 145.73 MHz, KA7CSE sysop.

Telnet to [w7pkt.net](http://w7pkt.net), port 7300

W7DX Bellevue (AR Cluster node) 145.75 MHz, N6MZ sysop.

Telnet to [w7dx.net](http://w7dx.net)

AR Cluster user documentation is available at <http://www.ab5k.net>

DX Spider user documentation is available at [http://wiki.dxcluster.org/index.php/DXSpider\\_User\\_Manual](http://wiki.dxcluster.org/index.php/DXSpider_User_Manual)

Lee Sawkins, VE7CC has written a versatile Windows user program which works with AR Cluster, CC Cluster or DX Spider nodes. It can be downloaded from <http://www.bcdxc.org/ve7cc/default.htm>

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# Totem Trader

KT34XA and Cushcraft shorty forty! Make offer. Pick up or will deliver within reasonable distance from Seattle. Call Andy, K7GEX, 206-364-3997

Cushcraft A147-11 2 meter beam with new elements \$50.00. I also have a 3 Element Gem Quad. Been stored for 30 years. Need's Boom and New Wire, \$300.00. Thanks. Jim WA7SRZ [roccoj1@verizon.net](mailto:roccoj1@verizon.net)

For sale TEN-TEC OMNI VI PLUS with all 5 filters and P.S. \$1000. Jon K7ZA [thejoz2@comcast.net](mailto:thejoz2@comcast.net)

One Force 12 C4-XL partially disassembled. If interested cal Bob W7TSQ at 425 778 4805

FT-1000MP Mk V ser 406000xx, with INRAD roofing filter, extra IF filters: 1.8Khz-8.2, 1.8Khz-455, 400Hz-8.2, 400Hz-455, 250Hz-455. This is a 'backup' rig, not my main FT-1000MP, so has had little use since I purchased it two? years ago. With FP29 Power supply, manual(s), box, microphone. Prefer not to ship. \$1900.00 – Brian Moran, N9ADG, call 206-390-4376, or [brianmo@yahoo.com](mailto:brianmo@yahoo.com)

For Sale: Force 12 EF-180C Rotatable Dipole antenna with 2 relay control box and balun - 83Ft long (Full 80M band coverage). New condition. Very similar to Current Top of Line Version (Sigma 180 Magnum from Force 12) which sells for around \$1500 without shipping. Asking \$600 and prefer local pick up in Seattle, WA area. Shipping is not practical. Works very well on 30M also. Bagged me 120 countries on both bands in less than 3 years. John Owens - N7TK [jcowens1@comcast.net](mailto:jcowens1@comcast.net)

I also have a Kenwood Model SM-220 Station Monitor in new condx that has the BS-8 Panadapter. It works with Kenwood xcvr's that have thte 8.83 MHz IF. (eg TS-850, etc.) that I would like to sell for \$350. John Owens - N7TK [jcowens1@comcast.net](mailto:jcowens1@comcast.net)

**Palstar AT1500BAL Dual Roller-Balanced Line Antenna Tuner.** Balanced double L network configuration. Dual precision edgewound silver plated coils with vernier drive. 1500 watts PEP. 160M to 10M band coverage. Like new. Excess to me needs since I no longer try to operate 160 from my tiny city lot. \$300. Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

**Kenwood TS-430 HF Transceiver** w/ power cord. Works great. Prefer local sale. \$150 [w7tmt@dayshaw.net](mailto:w7tmt@dayshaw.net)

**Kenwood TS-850SAT HF Transceiver** w/ power cord. Very good cosmetically, perfect functionally. Matching Kenwood 500hz CW filters and one SSB filter. Factory manual and box. Original owner. Non-smoker. Prefer local sale. \$500 Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

**Cushcraft A3S beam with 40 meter kit.** Excellent shape. Was just taken down. Factory manuals. (Local sale only. Local delivery possible.) \$250 Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

**Rohn Tower Sections/Masts and Parts** (Local sale only. Local delivery possible.) All parts purchased from ARS in Georgetown in the mid-90's. Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

- One 10' section, Rohn 25G. Excellent condition. \$75
- One 9' section, Rohn 25G, Pipe Top includes rotor plate. Excellent condition. \$100

**OLD MEETING LOCATION!!!!**  
**Lake City Elks Club!**  
**145<sup>th</sup> and Lake City Way!**

- One Rohn House Bracket, HG25HB. Excellent condition. \$100
- One Rohn 25G flat roof base mount. Excellent condition. \$50
- One Rohn 10' section of 2" thick walled mast. \$50
- Rohn Pushup Mast - 50'. Good condition. \$75
- Rohn Pushup Mast - 40'. Good condition. \$55
- Rohn Pushup Mast – 30'. Good condition. \$45

**Three 10' sections, 1" heavy walled TV mast** with heavy swaged ends. Excellent condition. \$30 for the three.  
Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

**CD45 II rotor with controller and mast base.** Works great. \$150 Patrick, [W7TMT@dayshaw.net](mailto:W7TMT@dayshaw.net)

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