

Spokane DX Association

K7SDX - Spokane, Washington

13010 S Short Rd; Cheney, WA 99004



SDXA - 07 apr 22

monthly meeting called to order by v-prez n7gco, Mel, at 19:00 local, on-line using zoom.

Ω secretary's request, on zoom please enter "name, call" for participants list-- thanks.

1) the program:

- a) Dave Ellison, W7UUU; "Rebuilding Your Ham Shack after a Fire"
- b) Dave, W7UUU, who lost his amateur radio shack in a fire and built a new one based on terrific principles for all hams.
- c) SweetHome 3D Design (\$15) great program for designing you home/man cave/yes a shack/etc, and way too many great tips beyond that, the gang blank and no plastic outlet strips and even no MOVs even in the metal strips. one of the better presentations yet.
- 2) around the call: what have you done the past month in ham radio? next month will do around the room/call again, been awhile.

3) DXing coming up, notes from n7gco tonight

StartDate	End Date	DXCC Entity	Call	QSL via	Info
Apr02	Apr23	Nepal	9N7MK		By S57MK fm various Nepalese locations; 40 20 17 15m; FT8 SSB CW; 10w; dipole, mag loop, ground plane
Apr07	Apr20	Burkina Faso	XT2MAX	EA5GL	By DK1MAX; HF; CW + digital; verticals, dipoles; holiday style operation
Apr13	Apr27	Maldives	8Q7DX	LoTW	By E77DX fm Fihalhohi I (IOTA AS-013); 80-10m, perhaps 160m; QSL via E73Y or Club Log OQRS
Apr15	Apr28	Austral Is	TX5N	LoTW	By N7QT N6XG DJ9RR K5GS W1SRD N7BX K0BEE fm Raivavae I (OC-114); 160-10m; CW SSB + digital; QSL via M0URX
Apr19	Apr26	Svalbard	JW0Z	LoTW	By ON5UR ON4ANN + others; HF CW SSB RTTY FT8 FT4; 5 stations; QSL via M0URX OQRS
Apr22	Apr29	Aland Is	OHØEG	LoTW	By SP1EG SP1QY SQ3PMX; 80-15m; FT4 FT8 RTTY; 100w; ground planes; QSL via SP1EG
Apr28	Nay26	Botswana	A25VR	VE7VR	By VETVR; HF
Apr29	May06	Mauritius	3B8	LoTW	By OM5ZW as 3B8/OM5ZW fm Long Beach; 80-10m; CW SSB RTTY FT8; QSL via Club Log OQRS

- a) monthly question: any DXpedition(s) worth gathering member donations for?
 - i) nothing was brought up in general discussion
- b) some history and a good site to follow: http://www.ng3k.com/Misc/adxoc.html;
 - 1. 2022: \$200: TX5N Raivavae (Austral Islands) OC-114
 - 2. 2021: \$259.11 3Y0J Bouvet Island(https://www.3y0j.no/clubsandfoundations)

4) officer reports:

- a) secretary's report from wa0www; the last monthly minutes: http://www.sdxa.org/?cat=10;
- b) treasurer's report from k7kb;
 - income:\$19.49 (Amazon smile); expenses:\$20.00 (WA state annual non-profit report))
 - 1. and over \$2000 in convention registration.
 - ii) dxpeditions donations from members: around \$525; after \$259.11Bouvet and \$200TX5N
- c) VP's report from n7gco; see web page and i/o email for upcoming events
 - 05may: Mel N7GCO and Del WA7AQH on four antenna related products
 - 1. New utility box at tower with lightning arresstors
 - 2. <astrant support & guy line ropes
 - 3. paradian radio dual antenna disconnect
 - 4. EA7TX RemoteBox
 - and do around the call and what have folks been doing ham radio related
 - ii) 02june: Receive Antennas by Mark Bauman KB7G

- Mark Bauman, KB7GF, is a licensed professional electrical engineer. He is the designer of the Shared Apex Loop now sold by Array Solutions. He lives in College Place, Washington.
- iii) 07july, prep for the convention
- iv) 01sep: Don Greenbaum N1DG, Activating entities in the U. S. Fish & Wildlife Service (USFWS) Pacific
 Remote Islands Marine National Monument (PRIMNM)
 - Don was a Team member on these Dxpeditions: A52A, K4M, KH1/KH7Z, C82DX, VP80RK, AL7EL/KH9. QSL Manager: A61AD, A61AO, A61X, A66A, A61AQ
 2006 inductee into the CQ Magazine DX Hall of Fame. 10 Band DXCC Challenge Total: 3145. Member: NCDXF, CWops, ARRL, DDXA, YCCC. Treasurer: NCDXF. Founding member of the CW Operators Club (Member Nr. 2)
- v) 06october: Bob K7TM, Jim N7ESU & Pat N7UVH on Insights from the Idaho Renegades
 Bob -
 - Using Keypad
 - (a) How you use it?
 - (b) How you program switches?
 - (c) Hints on setting a keypad system up?
 - 2. Antenna matches
 - (a) How to make a antenna at the antenna?
 - (b) Building antenna matching devices?
 - Jim Owning a repeater
 - (a) What is involved?
 - (b) Your repeaters history?
 - (c) What repeater owners wished people know about using their repeater?

Pat - Doing SO2R

- (a) What equipment is needed?
- (b) How to set it all up?
- (c) What you need to know about the learning curve?
- (d) How it helps you in a contest?
- vi) and keeping up the YouTube channel: https://www.youtube.com/channel/UCMF5QzqCJ65iJupGW64Dlwg
 vii) question/request: how to use cluster spots would be a good workshop.
- 5) 2021 2022 PNW DX conv by SDXA an update: co-chairs: k7tq Randy or n7gco Mel
 - a) webpage: https://pacificnwdxconvention.com
 - b) Centennial rooms are being booked (\$155/night) with over 56 room nights already..
 - c) 42 registrations so far
 - d) speakers lined up, see list on web site, link above.
 - e) looking good, and further along that this time 2017.
 - f) just fyi 3 themes are the focus of the 2022 Pac NW DX convention. $\underline{\mathsf{DXING}}$

"The 2022 DXpedition to Raivavae (Austral Islands) TX5N" (by Rob Fanfant N7QT)

"DX Spotting: VE7CC The Next Generation" (by Les Sawkins VE7CC)

"Top 25 DXCC Entities" (by Bernie McClenny, W3UR)

CONTESTING

"A history of the World Radiosport Team Championship" (by Rusty Epps W6OAT)

"The North American Competitor Experience at the European in IARU World Radiosport Championship" (by Pat Barkey N9RV)

<u>Technology</u>

"Distributed Contesting" (by Brian Moran N9ADG)

"Node Red: Station Integration for Contesting and DXing" (by David DeCoons WO2X)

Banquet Dr. Ed Schweitzer III W7KOW

Sunday "DXing Using Remote Stations" (by Ned Sterns, AA7A)

old business:

- 6) contests from wa0www:
 - a) well, with the SSB contests our EWA / ID split is not very fair, the last 2: EWA 2.1M and ID 0.5M, need to do something to even us up a little.
 - b) no Pac NW DX Trophy Cup contests till the end of may, a bit of a break
 - c) monthly question: Does anyone know of a contest coming up in the next month or two, others may have an interest in? here are some.
 - i) others:

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RSGB FT4 Contest
                                             1630Z-1729Z, Apr 11
  CQMM DX Contest
                                             0900Z, Apr 16 to 2359Z, Apr 17
  SP DX RTTY Contest
                                            1200Z, Apr 23 to 1200Z, Apr 24
  North American SSB Sprint Contest 0000Z-0400Z, Apr 24
+ Florida QSO Party 1600Z, Apr 30 to 0159Z, May 1 and 1200Z-2159Z, May 1
- 7th Call Area QSO Party 1300Z, May 7 to 0700Z, May 8 (20 counties by k7tq/wa0www)
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7) club DX HF morning net from n7uvh

- a) what is the latest? 3840 kHz at 8am on wednesdays. is working great..
- b) still going strong.
- c) note: will hold and not have 20:00 local on 160M for the winter. stay tuned.

8) clublog and SDXA from n7uhv

a) status quo.

9) Spokane libraries:

- a) on hold still only during open hours, the latest would be 20:00 local at the north library.
- b) maybe sept or october discussion of a hybrid at a church, on first thursday of the month, tbd.

new business:

- 10) Spokane Hamfest is on, 24sep22 from wa0www
 - The committee met and a couple of things.
 - heading toward no raffle. do not want to spend the money to get prizes now to sell raffle tickets ahead and if something happens then we don't have the prizes to deal
 - will work to have a good selection of door prizes though will wait a bit to start getting them. so seed money is on hold, and may still want the \$500 though tbd if less.
 - iii) the school was okay at this point and asking for ARRL WA state convention status.

have already reserved the tables.

11) other/future:

- a) Trustee for K7SDX license (expires: 10dec22)
 - i) K7STO, Mike, as offered to be trustee, thanks Mike. application has been sent in.
 - ii) and looking on QRZ looks like Mike has been added to be Trustee. Thank You Mike!!!
 - rules for using K7SDX
 - 1. at a meeting in the future will discuss about rules to use the club call, K7SDX.
- b) 2023 field day
- c) <u>summer picnic not in August, maybe in September, stay tuned</u>

12) new members of late:

, <u></u>				
a)	apr22	W8TJM Toivo and K7SYS John	<==	welcome!!!
b)	dec21:	NA7TP Ted (okay new call(ex-KG6MTC))		
c)	oct21:	Mike N7ID and Rod AC7GL both from IDXA		
d)	sept21:	n0zuf, Jay; w7drn Anita; and K2GEP Gregory		
e)	jun21	k7phm, Rick; w7bks, Brandon		
f)	apr21	k7tq,Randy (moscow); ww5a,Ken (cda); k7pew,	Nick	<pre>(pf); n7ll,David (spo);</pre>
g)	mar21	w7ceg, Charlie (Ellensbug)		
h)	feb21	wa6ndr, Rick; wa7cpa, Robin (Woodinville)		
i)	jan21:	w7tg, Tom		
j)	nov	kg6mtc, Ted; ai7cr, Josh; w6wbo Steven		
k)	sep	n7qt, Rob; w7cd, John and w7uj, Ed		
L)	aug	nh7s, Calvin Higa (app coming)		
m)	june	af7wh, Dale		
n)	may	w7gtf, Ron McCollum (Winthrop)		
0)	april	kc7aad, Rod Ekholm		
p)	march	ws7i, Jay and kj7iea, Peter		
q)	feb 20	kq7c (ex-w7npn) Sarah		

next month & adjourn:

- 13) program 05 may, see above in the VP report.
- 14) respectfully submitted by wa0www, jay, secretary.
- 15) and the great refreshments from yourself with this a call in

16) <u>committees:</u>

- a. awards: n7gco b. card checker: ad7xg c. club log: n7uvh
- d. contests: wa0www (focus is pnwDX challenge trophy cup)

- e. convention: n7gco and k7tq
- f. dxing: n7gco (w/k7tm and k7sto) and dx net: n7uvh
 - i) dxnet: n7uvh ii) dx awards: k7sto iii) upcoming dx: k7tm
- g. io (not google) group: n7gco
- h. health and welfare of members: k7gs
- i. hf mentoring: wa7aqh
- j. historian: k7awb
- k. library: sdxa secretary (wa0www)
- 1. local remote station/mentor: wa7aqh
- m. media: n7gco
- n. membership: k7kb
- o. million point club: k7tq
- p. photographers: nz2s and k7tm
- q. programs: n7gco
- r. qsl card checking: ad7xg and n7za
- s. Spokane hamfest: wa0www (and ad7qj)
- t. technical: w7sx, k7gs amd nz2s
- u. trustee-k7sdx: w7bhp
- v. web: wa7aqh, w/n7gco and k7kb teaming up
- w. you tube: n7gco
- x. zoom: n7gco
- y. SDXA cluster:(could investigate, could add to our go-daddy for www.cluster.sdxa.org)
- z. <u>officers:</u>
 - i)
 - President:AD7XG Gary Bytnar, Davenport, WA 99122Vice President:N7GCO Mel Ming, Cheney, WA 99004 ii)
 - Treasurer: K7KB John Gager, Colbert, WA 99005 iii)
 - WA0WWW Jay Holcomb, Newman Lake, WA 99025 iv) <u>Secretary:</u>

17) DX coming up

- a) _http://www.ng3k.com/Misc/adxoc.html
- b) for most wanted: http://www.clublog.org/mostwanted.php

rank	StartDate	End Date	DXCC Entity	Call	QSL via	Info
39	Apr02	Apr23	Nepal	9N7MK		By S57MK fm various Nepalese locations; 40 20 17 15m; FT8 SSB CW; 10w; dipole, mag loop, ground plane
40	Apr13	Apr27	Maldives	8Q7DX	LoTW	By E77DX fm Fihalhohi I (IOTA AS-013); 80-10m, perhaps 160m; QSL via E73Y or Club Log OQRS
97	Apr29	May06	Mauritius	3B8	LoTW	By OM5ZW as 3B8/OM5ZW fm Long Beach; 80-10m; CW SSB RTTY FT8; QSL via Club Log OQRS
117	Apr28	May26	Botswana	A25VR	VE7VR	By VE7VR; HF
60	Jun22	Jun27	Jan Mayen	JX		By LB5SH as JX/LB5SH; SSB FT8
115	Jun01	Jul31	Gabon	TR8CR	F6AJA (B/d)	By F8EN; 40 30 20m; CW
114	Oct10	Oct25	Benin	TY5RU	R7AL	By RA1ZZ + team; info to follow
78	Oct26	Nov03	Cocos Keeling	VK9CM	EB7DX	By VK6VY VK6SJ VK6CQ; 160-10m; CW SSB FT8 RTTY; VK9C in CQWW DX SSB
4	Nov01	Nov29	Bouvet I	3Y0J	LoTW	By LA7GIA LA7THA LB1QI + team; 160-10m; CW SSB FT4/FT8 RTTY; QSL: M0OXO; dates tentative
68	Nov01	Nov30	Central African Rep	TL8AA	I2YSB	By 8 ops; all bands; CW SSB FT8 RTTY
1	Dec15	Dec31	Crozet	FT8/c	TBA	By F6CUK as TBA; dates tentative; operation to continue until Mar 2023; details to follow

c) the basic list of the DXpeditions in top 100ish wanted

StartDate	End Date	DXCC Entity	Call	QSL via	Info
Apr01	Apr09	Aland Is	OH0EG	LoTW	By DK8RE DM5WF DL8UUF SP1EG; 160-10m; CW SSB + digital; 1kw; dipole, ground planes; QSL via SP1EG
Apr07	Apr14	Galapagos	HC8	LoTW	By HC1MM as HD8MM and NE8Z as HD8MD fm Santa Cruz I; 40-6m; FT4 FT8 SSB CW; QSL via K8LJG or NE8Z
Apr10	Apr16	Br Virgin Is		EB7DX	By N2IEN WW2DX W2RE WW1X KB2HZI as VP2V/N2IEN fm Tortola I; 160-10m, focus on high bands; CW SSB FT8; 500w; BuddiHex, OCFs; holidaty style operation; Twitter: @WW2DX and @WW1X
Apr16	Apr17	Barbados	8P1W	KU9C	By 8P6ET; QRV for CQMM DX Contest
Apr16	Apr17	Ceuta & Melilla	EA9ACE		By EA9ACE; QRV for CQMM DX Contest
Apr16	Apr17	Kenya	5Z3PA	M0URX OQRS	By 5Z4PA; QRV for CQMM DX Contest
Apr16	Apr17	Martinique	TO8N	LoTW	By DF8AN; QRV for CQMM DX Contest; QSL via DF8AN (B/d)
Apr16	Apr17	Namibia	V51MA	LoTW	By V51MA fm JG87mo; QRV for CQMM DX Contest
Apr16	Apr17	Peru	OA4DX	LoTW	By OA4DX; QRV for CQMM DX Contest; QSL via OA4DX (B/d)
Apr16	Apr17	Surinam	PZ5JW	LoTW	By PZ5JW fm GJ25io; 40-10m, perhaps 80m; QRV for CQMM DX Contest
Apr13	Apr19	Azores	CQ84AS	LoTW	By CU8AS fm Flores I (IOTA EU-089); HF; mainly CW; 800w; QSL via HB9CRV
Apr13	Apr19	Martinique	FM	DF8AN (B/d)	By DF8AN as FM/DF8AN; HF; mainly CW + digital; 100w; dipoles

Apr08	Apr20	Burkina Faso	XT2MAX	LoTW	By DK1MAX fm Ouagadougou (IK92fh); HF, focus on high bands; CW FT8 (f/h) FT4, some SSB; 100w; dipoles, verticals; QSL via EA5GL direct
Mar31	Apr22	Bolivia	CP1XRM	LoTW	By EA5RM; HF; CW SSB FT8; spare time operation; QSL via EA5RM
Apr19	Apr24	Dominica	J79MN		By DF8AN; HF; mainly CW + digital; 100w; dipoles; call sign requested
Apr14	Apr25	Norfolk I	VK9NT	M0OXO OQRS	By VK3QB VK3HJ VK6CQ fm IOTA OC-005; 160-6m; CW, some SSB FT8
Apr19	Apr26	Svalbard	JW0Z	LoTW	By ON5UR ON4ANN + others; HF CW SSB RTTY FT8 FT4; 5 stations; QSL via M0URX OQRS
Apr15	Apr28	Austral Is	TX5N	LoTW	By N7QT N6XG DJ9RR K5GS W1SRD N7BX K0BEE fm Raivavae I (OC-114); 160- 10m; CW SSB + digital; QSL via M0URX
Apr20	Apr28	St Kitts & Nevis	V47JA	LoTW	By W5JON fm Calypso Bay; 160-6m, incl 60m; SSB FT8; yagi, verticals; QSL also OK via W5JON direct
Apr22	Apr29	Aland Is	OH0EG	LoTW	By SP1EG SP1QY SQ3PMX; 80-15m; FT4 FT8 RTTY; 100w; ground planes; QSL via SP1EG
Apr24	May01	St Lucia	J6	DF8AN (B/d)	By DF8AN as TBD; HF; mainly CW + digital; 100w; dipoles
May01	May02	Martinique	FM	DF8AN (B/d)	By DF8AN as FM/DF8AN; HF; mainly CW + digital; 100w; dipoles
May05	May11	New Caledonia	FK	LoTW	By F5NHJ as FK/F5NHJ; HF; CW SSB + digital; holiday style operation
May06	May12	San Andres I	HK0	PY8WW	By PY8WW as HK0/PY8WW; 40-6m, focus on 6m
May14	May25	Norfolk I	VK9NT	M0OXO OORS	By VK3QB VK3HJ VK6CQ; 160-10m, some 6m; CW SSB FT8
May01	May31	Philippines	DU	LoTW	By W6QT as DU/W6QT fm Subic Bay; 80-6m; SSB FT8; ; QSL via W6QT; operation to continue until 15 Sep
May21	Jun04	Martinique	FM	ON4RU Direct	By ON4RU as FM/OQ3R fm IOTA NA-107; 160-10m; CW; holidaty style operation
May22	Jun07	Gambia	C5C	LoTW	By F5RAV F5NVF M0NPT; 20 15 10m; possilbe sidetrip to Bijol Is (IOTA AF-060) using C5B
Oct25	Nov04	Saba & Sint Eustatius	PJ5	LoTW	By W5JON as PJ5/W5JON; 60-6m; SSB FT8; yagi, verticals; QSL also OK via W5JON direct
Nov30	Dec10	St Martin	TO9W	LoTW	By K9NU W9MK VE2BWL K9EL FS4WBS; 160-10m focus on 160 80 40m; QSL via Club Log OQRS W9ILY

contest calendar http://www.hornucopia.com/contestcal/index.html 18) <u>contests coming up:</u>

- a) see above for other contest this coming month.
 b)
- c) Pacific NW Challenge Trophy contests:

± CQ Worldwide DX Contest, RTTY	#1 done	0000Z, Sep 25 to 2400Z, Sep 26
± CQ Worldwide DX Contest, SSB	#2 done	0000Z, Oct 30 to 2400Z, Oct 31
± CQ Worldwide DX Contest, CW	#3 done	0000Z, Nov 27 to 2400Z, Nov 28
± ARRL RTTY Roundup	#4 done	1800Z, Jan 8 to 2400Z, Jan 9
± CQ WW RTTY WPX Contest	#5 done	0000Z, Feb 12 to 2400Z, Feb 13
± ARRL Inter. DX Contest, CW	#6 done	0000Z, Feb 19 to 2400Z, Feb 20
± ARRL Inter. DX Contest, SSB	#7 done	0000Z, Mar 5 to 2400Z, Mar 6
± CQ WW WPX Contest, SSB	#8 done	0000Z, Mar 26 to 2400Z, Mar 27
± CQ WW WPX Contest, CW	#9	0000Z, May 28 to 2400Z, May 29
± IARU HF World Championship #10	#10	1200Z, Jul 9 to 1200Z, Jul 10, 2021

PACNWDX challenge trophy cup contests, above:

- a. please send your claimed scores in body of email to SDXA io group or to the secretary
- b. to help keep the super check partial files complete consider to cc k5zd@contesting.com when you submit your Cabrillo logs.

19) SDXA membership

call	operator	sort	apr 22	mar 22	feb 22	jan 22	dec 21	nov 21	oct 21	sep 21	jul 21	jun 21	may 21	apr 21	25mar	mar 21
aa6tq	gordon	1														
ac7gl	rod	2														
ac7mv	david	3														
ad7qj	harold	4		1	1	1	1		1	1		1	1	1	1	1
ad7xg	gary	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ad7xg-xyl	svetlana	6														
ae7gt	marybeth	7														
af7wh	dale	8				1	1								1	1
ag7ig	mike	9		1	1	1	1	1	1	1	1	1		1		
ag7qp	frank	10	1	1	1	1	1		1	1	1			1		
ai7cr	josh	11														
ja3czy	elvin	12												1		1
k0ng(k5pjs)	peter	13	1	1	1	1	1		1	1	1	1	1	1	1	1

1-2		1.4														
k2gep	gregory	14			1											
k7awb	steve	15			1											
k7efx	john	16														
k7gs	gary	17	1	1	1	1	1	1		1	1	1	1	1	1	1
k7hpt	mark	18														
k7kb	john	19	1	1	1	1	1		1	1		1	1	1	1	1
k7phm	rick	20	1	1	1							1				
k7sto	michael	21	1	1	1	1		1	1	1	1	1		1		1
k7tm	bob	22	1		1	1	1	1	1		1	1	1	1	1	1
k7tq	randy	23	1		1	1	1	1		1	1	1		1		
k7sys	john	23.5														
k9jf	jim	24														
kb7bek	cathy	25														
kc7ttm	cleo	26														
kc7ug	tom	27				1			1	1						
kd7ghz	mike	28	1		1	1	1			1			1			
kf7pbm	joseph	29														
ki7dg	chuck	30		1		1	1	1	1	1		1		1		
			1	1	1	1	1	1	1	1	1		1	1	1	1
kj7iea	peter	31		1	1	1	1	1	1	1	1	1	1		1	1
kj7qex	jason	32												1		1
kk9ham	albin	33														
kq7c(w7npn)	sarah	34														
n7au	bob	35												1		
n7cxi	jim	36														
n7esu	jim	37		1	1	1	1	1			1	1	1	1	1	1
n7gco	mel	38	1	1	1	1	1	1	1	1	1	1	1	1	1	1
n7id	mike	39				1										
n7qt	rob	40					1			1		1		1		
n7sjm	scott	41		1			1	1			1	1	1	1		1
n7uvh	murph	42		1	1		1	1	1	1				1	1	1
n7zuf	jay	43	1	1	1	1	1	1	1	1						
na7tp-kg6mtc	ted	44	1		1		1			1				1		
ne7f	jim	45														
nh7s	cal	46														
nq7v	corky	47														
nz2s	jeff	48	1	1		1	1	1		1		1	1	1	1	1
w0cg/pj2dx	geoff	49														
w3as	doug	50										1		1		1
w6aea	george	51										_		_		
		52	-	_	_		_			1	1					
w7bks w7drn	brandon	53	1	1	1		1			-		_	_	-	_	-
	anita		-				1	1								
w7gsv	robert	54					1	1								
w7gtf	ron	55														
w7mem	mark	56														
w7peg	peggy	57														
w7sx	robert	58														
w7uj	ed	59														
w8tjm	w8tjm	59.5														
wa0www	jay	60	1	1	1	1	1	1	1	1	1	1	1	1	1	1
wa1pma	wayne	61														
wa6ndr	rick	62			1								1			
wa7aqh	del	63	1	1	1	1		1	1	1	1	1		1	1	
_				1						1						
wa7cpa	robin	64		_												
wa7cpa wa7f(ki7aar)	robin dave	65		-	1											1
				_	1					1						1

wu7x	dale	68	1		1			1						1	1	
ww5a	ken	69														
wx7b	chris	70												1		
wx7dx	karl	71														
wx7p	janet	72				1			1							
		73	20	21	26	23	24	18	17	25	15	20	14	28	16	19
visitors	#in attend.	74	1	1	7	1	1	1	1	5	0	6	6	3	1	4
k1dg	doug	75														1
k6ei	Jim	76								1						
k6mm	John	77				1										
k7ake	Gary	78			1					1						
k7ar	Al	79		1												
k7gs-xyl	Cille	80														
k7phm	rick	81	 										1			
ka7jnx	Dan Henshaw	82														
kb7hdx	Mark	83											1			
kb7jbx	Diane(n7a u)	84														
KC7AAD	Rod	85										1				
ki7noo	matt	86			1					1						
kj7iea	Peter	87														
kj7mtu	brandon	88										1				
k19a	Chris	89												1		
KU7Y	Ron	90														
kw7j	Harvey	91														
kz1w	Grant	92														
Levering	Shawn	93							1							
n0dxm	juaquetta (www)	94														
n2hs	lynn	95														
n6nr	Rick	96											1			
n6tv	bob	97			1							1				
n7gcn	Martha(n7 gco)	98														
n7hcj	woody	99														
N7LL	David	100			1		1	1				1	1			
w3iz	Norm	101											1			
w7bhp	Dick	102														
w7ceg	Charlie	103										1				1
W7CEG	Charlie	104			1					1		1	1			
w7saf	Shirley (k9jf)	105														
w7stv	Steve	106			1											
w7uuu	dave	106.5	1													
wa7yei	Yvonne (k7tm))	107														
wb7qvp	jan	108			1											