



Spokane DX Association
 K7SDX - Spokane, Washington
 13010 S Short Rd; Cheney, WA 99004



SDXA - 04 may 23

monthly meeting called to order by prez K7TQ, Randy, at 19:00 local, hybrid, in-person and zoom.

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

1) the programs, introduced by prez Randy k7tq:

- a) 1. Practical Hints with Mike Buettner K7STO
 - i) Coax marking, small battery backup for cell phone & antenna analyzers, how to crimp on PL-259 connectors, the basic tools needed for installing PL-259 and Power Poles connectors.
 - 1. also brought a good book to consider: Ham Radio DX - A Complete Guide: How to go from Karaoke to a DXCC Rockstar by Lucas L Ford
- b) 2. Field Day Planning with the Idaho Renegades
 - i) This year the SDXA is planning a great field day in North Idaho. Come and be part of the planning and enjoy the fun.
 - ii) see below in old business for a little bit.
- c) 3. IARU/World Team Radio Championship Incentive with Randy K7TQ
 - i) At the same time as the IARU will be the WRTC in Italy - July 8 and 9
 - 1. World Series of ham radio contesting
 - 2. 40+ two person teams plus a ref for each team
 - 3. 100 W, tribander at 10 m, inverted vees for 40 and 80 m
 - 4. Geoff Howard, W0CG/PJ2DX, will be one of the refs
 - 5. Each team will have a unique Italian call sign so they will be readily identifiable
 - ii) The Incentive is to work the WRTC stations
 - iii) We'll divide SDXA members into three categories based on your antennas
 - 1. End fed wires - if your main antenna is an end fed wire, you are in this one
 - 2. Verticals - if your main antenna is a vertical or other 0 dBi one, you are in this one
 - 3. Gain Antennas - if your main antenna is any form of a beam, you are in this one
 - iv) In each category you have to work the WRTC stations
 - 1. End fed wires - make 5 band/mode contacts
 - 2. Verticals - make 8 band/mode contacts
 - 3. Gain Antennas - make 12 band/mode contacts
 - v) The reward is a commemorative coffee cup with the WRTC logo and your call
 - vi) Bonus - afterwards if it is determined that you worked the station where Geoff was the ref, your cup will have a special acknowledgment
 - vii) Summary - work as many WRTC special calls as possible

2) welcome new members in the last month:

- a) none this month

3) DXing coming up from k7tm:

40	Apr27	May07	Maldives	8Q7KB	LoTW	By DL2SBY fm Mushimas I; 80-6m; CW SSB+ digital; QSL via Club Log OQRS or DL2SBY direct
89	Apr20	May09	Spratly Is	DX0NE	LoTW	By 4K2KWT fm OK71db; 160-6m; CW SSB FT8; QSL via IZ8CCW
90	Apr24	May10	Uganda	5X2I	LoTW	By HA5AO fm Busbala; 40-10m; CW FT8, some SSB; 400w
81	May20	May27	Market Reef	OJ0	EA5GL	By LB5SH as OJ0/LB5SH fm JP90nh; 80-4m; SSB CW FT4 FT8
40	May20	Jun04	Maldives	8Q7VJ	LoTW	By HB9VCJ fm Ookolhufinolhu, Lhaviyani Atoll; 40-6m; SSB + FM on 10m; 5 or 10w
92	May23	Jun14	Rwanda	9X2AW	M00X0	By DF2W0 fm Kigali; 160-10m; CW SSB + digital

May01	May05	Fiji	3D2LYC	VE3LYC (B/d)	By VE3LYC fm Yanuca I (IOTA OC-189); 30-10m; CW SSB
May03	May07	Corsica	TK/ IS0JX0	IS0JX0 Buro	By IS0JX0 as TK/IS0JX0; HF VHF; CW SSB

May04	May11	San Andreas & Providencias	HK0	LoTW	By PY8WW as HK0/PY8WW, PY7XC and PY7RP likewise; 40-6m; SSB CW FT8; 100w; QSL via Club Log OQRS or h/c direct
May24	Jun01	Anguilla	VP2E	LoTW	By KE1B and W6NN as VP2EAQ and VP2EAR; 40-10m, perhaps 6m; CW SSB FT8 FT4; 100w; Buddipole; VP2EAQ in WPX CW Contest
May23	Jun07	St Kitts & Nevis	V47JA	LoTW	By W5JON fm Calypso Bay; 160-6m; SSB FT8; yagi, verticals; QSL also OK via W5JON direct
May10	June15	Niger	5UA99WS	LoTW	By IU5HWS fm Niamey; 40-10m; mainly FT8, some SSB; multiband dipole; QSL via EA5GL

a) also see below for a couple of lists of upcoming DXpeditions.

b) monthly question: any DXpedition(s) worth gathering member donations for?

i) none this month.

c) some recent history and a good site to follow: <http://www.ng3k.com/Misc/adxoc.html>;

1. april 2023: \$250: TX5S Clipperton Island (<https://clip.pdxg.net/>) (april23~115-250=~135 left in DXpeditions donations)
2. feb2023: \$200: HW40A Temotu Province (<https://intrepid-dx.com/temotu2023/>) (feb23~315-200=~115 left in DXpeditions donations)
3. jan2023: \$200: 3B7M Saint Brandon (https://3b7m.com/?page_id=1635) (jan23~515-200=~315)
4. jan2022: \$200: TX5N Raivavae (Austral Islands) OC-114 (jan22~715-200=~515)
5. oct2021: \$259.11 3Y0J Bouvet Island(<https://www.3y0j.no/clubsandfoundations>) (oct21~975~260=~715)
6. 2019: ~~\$50 Tillamook Rock, IOTA NA-211(jul19-nov19)~~; \$50 ZK3A Tokelau Islands(oct19)
7. 2018: \$250 VP6D Ducie Island (oct18); \$200-NCDXF (oct18)
8. 2016: \$100 VP8SGI S.G & VP8STI S.S; \$100 FT4JA Juan De Nova;
9. 2015: \$300 VK0EK Heard; \$100 TX3X Chesterfield; \$100 VK9WA Willis (all 3 QSLs)

4) contests coming up from k7tq:

a) PNW DX Competition next for the trophy cup and Flounder Cup, #9 of 10

+ CQ WW WPX Contest, CW	#9 this month	0000Z, May 27 to 2400Z, May 28
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i) remember - the Ten JA Districts and Five by Six awards, announced in december. see the web site for details: <https://sdxa.org/?cat=37>

ii) so far: Ten JA districts: Murf, Gary Swartout, Mel, me, Jay Lopes, Jay Holcomb, David Oglesby (N7LL), and Joe Somday (KF7PBM)

iii) so far: 5 by 6: Mel, Jay Lopes, and Gary Swartout

b) monthly contests coming up: Does anyone know of a contest coming up in the next month or two, others may have an interest in? here are some.

i) the contest calendar site has moved: <http://www.contestcalendar.com/>

(note the '+' at the beginning of the row has a link for more info)

+ 7th Call Area QSO Party	1300Z, May 6 to 0700Z, May 7
+ Indiana QSO Party	1500Z, May 6 to 0300Z, May 7
+ Delaware QSO Party	1700Z, May 6 to 2359Z, May 7
+ New England QSO Party	2000Z, May 6 to 0500Z, May 7 and 1300Z-2400Z, May 7
+ Canadian Prairies QSO Party	1700Z, May 13 to 0300Z, May 14
+ His Maj. King of Spain Contest, CW	1200Z, May 20 to 1200Z, May 21
+ Arkansas QSO Party	1400Z, May 20 to 0200Z, May 21
+ CQ WW WPX Contest, CW	0000Z, May 27 to 2359Z, May 28
+ ARRL Inter. Digital Contest	1800Z, Jun 3 to 2400Z, Jun 4
+ ARRL Field Day	1800Z, Jun 24 to 2100Z, Jun 25

ii) remember also k7tq will be doing 7QP mobile with wa0www. be sure to catch us in 17 counties in WA, ID and MT. we will be cw only.

iii) informational: 7qp plaque (06may23 this year)? have updated (first-come first-served) to sponsoring a plaque for "7th Area Single-Op **Low**-Power Mixed". before we did high power.

1. cost is about \$45 and within the officers approval level.

5) HF morning and evening nets from n7uvh; no report tonight

i) 3840 kHz at 8am local on wednesdays

ii) 1940 kHz at 8pm local on wednesdays

6) officer reports:

a) secretary's report from wa0www; the last monthly minutes: <http://www.sdxa.org/?cat=10>;

b) treasurer's report from k7kb

c) apr2023:

i) expenses: \$ 1258.83 Longhorn April connection dinner; \$113.13 to Mel for zoom

ii) income: \$98.99 paypal

d) mar2023:

i) expenses: \$20 WA state annual filing; \$6 bank's analysis services; \$153.93 Clipperton(rest of \$250 from pay pal)

ii) income: \$100 donation; \$90 dues; paypal deposit \$1275.10

- e) VP's report from n7gco; see web page and i/o email for upcoming events
 - i) 01june: DXpedition to American Samoa by K7AR and W7YAQ.
 - 1. 22-24june: Field Day at Motkin's Bay Fire Station, Hayden
 - ii) 22july: SDXA Picnic at Del's WA7AQH with mobile and portable show and tell
 - iii) 03aug: World Radio Team Championship & IARU Report with Geoff PJ2DX
 - iv) 07sept: Improving your Audio with Mike Daskalopoulos KJ7MIC
 - 1. Audio basics, speech intelligibility and perceived loudness
 - 2. Audio as it applies to voice modes in radio - AM, SSB and FM
 - 3. Audio reproduction and transmission for radio - hardware and pre/post-processing
 - v) 05oct: Annual awards dinner
 - vi) 02nov: CQ DX Marathon with Mark WC3W
 - vii) 07dec: tbd
 - viii) and keeping up the YouTube channel: <https://www.youtube.com/channel/UCMF5QzqCJ65iJupGW64Dlwg>

old business:

- 7) 2023 field day, 23,24,25 june 2023; from n7esu:
 - a) from the program (above)
 - b) -location: Mokins Bay fire station on the east side of Haydon lake (across the road from the NFS Mokins Bay campground). 4 bays, larger parking lot, full amenities (kitchen, bathrooms, showers, bed rooms (empty)) and a really nice station.
 - c) will use K7SDX and run 3A EWA.
 - d) Gary ad7xg and Mike k7sto working on antennas; verticals, a beam and some 40/80 wires.
 - i) Gary will be bringing one or both of the club's generators and all the clubs cables, ropes, AC lines and more.
 - e) jay wa0www working on 3 stations,
 - i) run1 (master): club's IC 761, donated PC from jay, donated CI-V cable from Mike, donated CW paddle and keyer from Wayne wa1pma. clubs' heil pro headset
 - ii) run2: club's IC 761, donated PC from jay, donated CI-V cable from Mike. clubs' heil pro headset
 - 1. note: CW will be keyboard (if someone brings a paddle and keyer, can try it.)
 - iii) run3: Mike loaning to club an IC7300, donated PC from Brandon, donated serial card from jay and donated CI-V cable from Del wa7aqh.
 - 1. note: CW will be keyboard (if someone brings a paddle and keyer, can try it.)
 - 2. only external speaker & hand mike (if some one brings a headset, can try it.)
 - iv) using N1MM+ with all PC's networked and will keep desktops clean, simple and identical.
 - v) all stations should be capable of CW, SSB, RTTY (MMTTY), Ftx (WSJT), from within N1MM+.
 - f) the renegades Jim n7esu, Pat n7uvh and Bob k7tm are working on simple basic food, though there is a full kitchen and BBQ so all welcome to bring what they want to for them selves and/or to share.
 - g) setup starts early friday afternoon (23jun23), come on out and help.

new business:

- 8) Clipperton Island DX-pedition
 - a) 11 years since last DXpedition; the Officers approved \$250 contribution
- 9) SDXA audio equipment - Randy k7tq t
 - a) the package from Mel, for \$485:

i) Behringer Xenyx Q1204USB Mixer with USB 12 channel	\$75
ii) Shure 58 mike	\$50
iii) Audio-Technica AT2005USB Cardioid Dynamic USB/XLR Microphone	\$30
iv) Two Mike Stands both for:	\$30
v) Sennheiser Pro Audio EW 112P G3 - A Omni-directional Wireless Lavalier Microphone System.	\$300
 - b) nz2s moves to purchase from Mel, n7gco, the package of 6 items listed above and discussed, for \$485. k7tm 2nds the motion.
 - c) Vote; are there any abstains or nays?
 - i) none heard, motion passes by unanimous vote (25 present)

- 10) SDXA speaker purchase
a) Officers approved a Behringer PK110A 320W 10-inch Powered Speaker \$149.00
- 11) Any other New Business?
a) none heard
- 12) history/other/future:
a) **SDXA meetings starting in 2023, just a reminder:**
i) **update jan23:** For 2023 SDXA will have 7 Zoom meetings (January, February, March, June, August, 07dec: September, December) and two in-person meeting with limited Hybrid (May and November) and two in person social meetings (Summer picnic in July&October Awards Dinner).
1. (just for 2023-April will be the missed 2022 december banquet, future years April is in-person and May is zoom.)
ii) **AV/Media committee lead is needed, status:**
1. w7bks, Brandon is working on hybrid operation for may and november
b) **2023 field day** - at fire station where the ID renegades have done field day before.
c) **summer picnic** - will be saturday 22 jul 23 at Diane's and Del's wa7aqh.
d) **Trustee** for K7SDX license is now K7STO (expires: 10dec32)
i) rules for using K7SDX
1. if the trustee gets any requests, he will run it past the current club officers.
2. Listen to any fore or against objections and then make an assessment as to whether to approve or disapprove (and document accordingly).
- 13) new members of late:
a) feb23: K7LIL Khilil Islam-Zwart (Spokane)
b) feb23: KK7BYD Brian Curtis (Davenport)
c) feb23: W7HTA Henry Anderson (Spokane)
d) jan23: W7RJR Robert Raymond (Spokane)
e) jan23: K7NT Michael Conatore, K7NT (Richland)
f) jan23: W7BVN Ron Valley (Spokane)
g) dec22: KK7DRI Lorelei Hartley (Spokane Valley)
h) nov22: N7ECV Shawn Dunbar (Ephrata)
i) sep22: KJ6MIC Mike Daskalopoulos (Spokane) and K70GW Dennis Irish (Harrison)
j) apr22: W8QR Moe and K6XT Art (Grangeville)
k) apr22: W8TJM Toivo (LL) and K7SYS John (Sandpoint)
- 14) next month & adjourn
a) **01june ++ - programs** see above in the VP report. back on zoom.
b) respectfully submitted by wa0www, jay, secretary.
c) and the great refreshments from several folks, thanks.
- 15) committees:
a. awards: n7gco and k7tq
b. card checker: ad7xg
c. club log: n7uvh
d. contests: k7tq
e. convention: n7gco and k7tq was for 2022
f. Dxing coming up: k7tm
g. DX awards: 100 Country Club & Challenge: k7sto
h. DX nets: n7uvh:
i. finance: k7kb with k7gs and wa7aqh <== new october 2022
j. groups.io: k7tq, k7kb, k7gs, k7awb, n7gco
k. health and welfare of members: k7gs
l. historian: k7awb
m. hybrid meetings: w7bks
n. k7sdx trustee: k7sto
o. library: sdx secretary (wa0www)
p. local remote station/mentor: wa7aqh
q. media: w7bks
r. membership: k7kb
s. million point club: k7tq
t. new to hf mentoring: wa7aqh
u. pre-meeting zoom hosts: n7uvh and nz2s
v. photographers: nz2s and k7tm
w. programs: ac7dc
x. qsl card checking: ad7xg
y. Spokane hamfest: wa0www
z. SDXA youtube channel: n7gco

- aa. technical: k7gs and nz2s
- bb. web: n7gco and k7kb
- cc. zoom: n7gco
- dd. ~~SDXA cluster:(could investigate, could add to our go daddy for www.cluster.sdx.org)~~
= though thanks to ws7i, Jay, for his local cluster many of us use.
- ee. officers:
 - i) President: K7TQ Randy Foltz, Moscow, ID 83843
 - ii) Vice President: N7GCO Mel Ming, Cheney, WA 99004
 - iii) Treasurer: K7KB John Gager, Colbert, WA 99005
 - iv) Secretary: WA0WVW Jay Holcomb, Newman Lake, WA 99025
 - v) Past President: AD7XG Gary Bytnar, Davenport, WA 99122

16) 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
40	Apr27	May07	Maldives	8Q7KB	LoTW	By DL2SBY fm Mushimas I; 80-6m; CW SSB+ digital; QSL via Club Log OQRS or DL2SBY direct
89	Apr20	May09	Spratly Is	DX0NE	LoTW	By 4K2KWT fm OK71db; 160-6m; CW SSB FT8; QSL via IZ8CCW
90	Apr24	May10	Uganda	5X2I	LoTW	By HA5AO fm Busbala; 40-10m; CW FT8, some SSB; 400w
81	May20	May27	Market Reef	OJ0	EA5GL	By LB5SH as OJ0/LB5SH fm JP90nh; 80-4m; SSB CW FT4 FT8
40	May20	Jun04	Maldives	8Q7VJ	LoTW	By HB9VCJ fm Ookolhufinolhu, Lhaviyani Atoll; 40-6m; SSB + FM on 10m; 5 or 10w
92	May23	Jun14	Rwanda	9X2AW	M0OXO	By DF2WO fm Kigali; 160-10m; CW SSB + digital
59	Jun25	Jul05	Faroe Is	OY	LoTW	By DC8TM as OY/DC8TM and DF3TS as PY/DF3TS; HF; SSB FT8
149	2024 Jan17	2024 Feb03	Clipperton I	TX5S	LoTW	By team fm IOTA NA-011 (DK50jh); 160-6m; SSB CW RTTY FT8; dates subject to change; see Web for full QSL details

c) other DXpeditions

StartDate	End Date	DXCC Entity	Call	QSL via	Info
May01	May05	Fiji	3D2LYC	VE3LYC (B/d)	By VE3LYC fm Yanuca I (IOTA OC-189); 30-10m; CW SSB
Apr22	May05	Ogasawara	JD1BMH	JD1BMH Buro	By JG7PSJ fm Chichijima I (IOTA AS-031); 40-10m; CW SSB RTTY; QSL OK via JG7PSJ direct
May04	May11	San Andreas & Providencias	HK0	LoTW	By PY8MW as HK0/PY8MW, PY7XC and PY7RP likewise; 40-6m; SSB CW FT8; 100w; QSL via Club Log OQRS or h/c direct
Apr10	May12	West Kiribati	T30UN	LoTW	By DX Rebel Group; 160-6m; CW SSB FT8
May26	May29	Iceland	TF	DL1MGB	By DL1MGB as DL1MGB; 80-10m; for CQ WPX CW
May28	May31	Scotland	MM0UKI/p	M0OXO Direct	By G0VJG DL8JJ fm rare IOTA EU-189 Isle of Rockall; HF; dates approximate
May23	Jun07	St Kitts & Nevis	V47JA	LoTW	By W5JON fm Calypso Bay; 160-6m; SSB FT8; yagi, verticals; QSL also OK via W5JON direct
Jun23	Jun29	Br Virgin Is	VP2V	W9DR Direct	By W9DR as VP2V/W9DR fm Anegada I (FK78tr); 6m; FT8 Q65 SSB CW; 1kw; 5 ele yagi
Jun27	Jul11	St Pierre & Miquelon	FP	LoTW	By KV1J as FP/KV1J fm Miquelon I (IOTA NA-032); 80-6m, focus on 60 6m; CW SSB + digital; QSL via Club Log OQRS or KV1J Buro or direct (w/ SAE + 1USD or new style IRC)
Jul06	Jul18	Saba & St Eustatius	PJ5	Club Log OQRS	By PE6Q as PJ5/PE6Q and PA40 as PJ5/PA40 fm Sint Eustatius I (IOTA NA-145); 80-6m; CW SSB FT; PJ5C during IARU Contest
Jul23	Aug04	Guatemala	TG4	LoTW	By KT8X as TG4/KT8X; 40-6m; CW FT8, perhaps SSB
Aug31	Sep14	Mariana Is	KH0	LoTW	By DL2AH as KH0/DL2AH fm Rota I; 80-6m; SSB FT8; Windom, TripleLeg; QSL via Club Log OQRS or DL2AH direct
Sep12	Sep18	Palau	T8	See Info	By JM1LIG as T88FM, J03LVG as T88MK, JR3QFB as T88FH; 160-6m; SSB FM FT8 FT4; QSL T88FM via JM1LIG direct (w/ SASE), T88MK via J03LVG (B/d), T88JH via JR3QFB
Sep15	Sep21	Greenland	OX0J	LoTW	By OZ0J fm Maniitsoq I (IOTA NA-220); 80-10m; verticals; QSL via Club Log OQRS or OZ0J
Sep16	Sep30	Guam	KH2	LoTW	By DL2AH as KH2/DL2AH; 80-6m; SSB FT8; Windom, TripleLeg; QSL via Club Log OQRS or DL2AH direct
Oct02	Oct10	St Vincent	J88PI	GW4DVB Direct	By GW4DVB fm Palm I; 40 20 17 15 10m; SSTV C4FM FT8
Oct03	Oct15	Marshall Is	V7	LoTW	By DL2AH as TBD (perhaps V73AH); 80-6m; SSB FT8; Windom, TripleLeg; QSL via Club Log OQRS or DL2AH direct
Oct10	Oct27	Niue	E6AM	LoTW	By LZ1GC; 160-6m; CW SSB FT8; QSL via Club Log OQRS or LZ1GC (B/d)
Oct18	Oct30	Micronesia	V63AH	LoTW	By DL2AH fm Kosrae (IOTA OC-059); 80-6m; SSB FT8; Windom, TripleLeg; QSL via Club Log OQRS or DL2AH direct
Oct25	Oct31	Saba & St Eustatius	PJ5	LoTW	By W5JON fm St Eustatius; 60-6m; SSB FT8; yagi, verticals; QSL also OK via W5JON direct
Oct01	Oct31	Vanuatu	YJ0TT	TBA	By NC7M N7JI K6VHF W6UC NG7E fm Port Vila; 160-6m + 23cm EME; CW SSB + digital; exact dates TBA; all ops will have personal call signs
Nov03	Nov10	Niue	E6AJ	DF8AN	By DF8AN; HF; CW FT4 FT8 RTTY, perhaps PSK31; 100w; longwires,

				(B/d)	verticals; holiday style operation
Oct31	Nov14	Temotu	H40WA	LoTW	By N7QT N6PSE VE7NY OE1JUN DJ9RR HA0NAR W7XU N6XG fm IOTA OC-065 (RH29vg); 160-10; CW SSB FT8 (f/h); QSL via M0URX
Nov04	Nov19	Marquesas	FO	LoTW	By F6BCW F6EEQ F6FMC F6HBI F5VHQ F5JRX F5LRL F4ISZ F1MNQ as TBA fm Hiva Oa I; 160-6m CW SSB FT8 FT4 RTTY; 4 stations; QSL via EA5GL (B/d) or Club Log OQRS

17) **contests coming up:** calendar has moved: <http://www.contestcalendar.com/>

a) see above for other contest this coming month.

b) Pacific NW Challenge Trophy contests:

+ CQ Worldwide DX Contest, RTTY #1 done	0000Z, Sep 24 to 2400Z, Sep 25
+ CQ Worldwide DX Contest, SSB #2 done	0000Z, Oct 29 to 2359Z, Oct 30
+ CQ Worldwide DX Contest, CW #3 done	0000Z, Nov 26 to 2400Z, Nov 27
+ ARRL RTTY Roundup #4 done	1800Z, Jan 7 to 2400Z, Jan 8
+ CQ WW RTTY WPX Contest #5 done	0000Z, Feb 11 to 2400Z, Feb 12
+ ARRL Inter. DX Contest, CW #6 done	0000Z, Feb 18 to 2400Z, Feb 19
+ ARRL Inter. DX Contest, SSB #7 done	0000Z, Mar 4 to 2400Z, Mar 5
+ CQ WW WPX Contest, SSB #8 done	0000Z, Mar 25 to 2400Z, Mar 26
+ CQ WW WPX Contest, CW #9 this month	0000Z, May 27 to 2400Z, May 28
+ IARU HF World Championship #10	1200Z, Jul 8 to 1200Z, Jul 9

PACNWX challenge trophy cup contests, above:

a. please send your claimed scores in body of email to SDXA io group or SDXA secretary

b. to help keep the super check partial files complete consider to cc

k5zd@contesting.com when you submit your Cabrillo logs.

18) **SDXA membership**

members	for the activity				18+7	22	23	27	25	17	21	20	32	19	29	17	22	27	20	
visitors	before folks up and down				2	5+8	8	3	6	2	7	1	2	2	7	0	1	2	1	
call	operator	sort	fd	jun 23	may 23	apr 23	mar 23	feb 23	jan 23	dec 22	nov 22	oct 22	ham fest	sep 22	conv	jul 22	jun 22	may 22	apr 22	
aa7tq	gordon	1																		
ac7dc/n7zuf	jay	2			z	1	1	1	1	1	1	1		1	1	1	1	1	1	1
ac7gl	rod	3													1					
ad7xg	gary	4			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ad7xg-xy1	svetlana	5			1	1			1			1	1		1					
af7wh	dale	6																		
ag7ig	mike	7				1	1	1		1	1	1	1	1		1	1	1		
ag7qp	frank	8			1	1	1	1					1	1	1					1
ai7cr	josh	9																		
ja3czy	elvin	10																		
k0ng	peter	11			1	1	1	1	1	1	1	1	1	1		1	1	1	1	1
k2gep	gregory	12																		
k6xt/k7ox	art	13			z		1	1				1		1	1		1	1	--	
k7awb	steve	14																		
k7efx	john	15																		
k7gs	gary	16			z		1	1	1	1		1	1	1	1	1	1	1	1	1
k7hpt	mark	17											1		1					
k7kb	john	18			1	2	1	1	1	1	1			1	1		1	1	1	1
k7lil	khilil	19						---	---	---	---	---	---	---	---	---	---	---	---	---
k7nt	michael	20							---	---	---	---	---	---	---	---	---	---	---	---
k7ogw	dennis	21													---	---	---	---	---	---
k7phm	rick	22						1	1		1	1						1	1	1
k7sto	michael	23			1	1+1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
k7sys	john	24									1		1		1					
k7tm	bob	25			1	1+1	1	1	1	1	1	1			1	1	1	1	1	1
k7tq	randy	26			1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
k9jf	jim	27													1	1				
kb7bek	cathy	28																		
kc7ttm	cleo	29																		
kc7ug	tom	30					1	1		1		1	1				1			

ad7qj	harold	89			1			1	1		1		1	1		1		1
ae7gt	marybeth	90																
jr1nkn	atsushi (m&k)	91				1												
k5em	justin	92						1										
k6mm	john	93																
k7ake	gary	94								1								
k7ar	al	95												1				
k7gs-xy1	cille	96												1				
k7wtg	pete (m&k)	97				1												
kb7gf	mark bauman	98														1	1	
kb7hdx	mark	99					1		1		1		1					
kb7jbx	diane (n7au)	100			1						1							
kd7wnv	robert(m &k)	101				1												
kf7oag	randall thomas	102																1
kg7lnz	whit (m&k)	103				1												
ki7noo	matt	104																
kj7qex	jason	105																
kz1w	grant	106							1				1					
n0dxm	juaquett a (www)	107			1													
n1dg	don	108											1					
n6tv	bob	109																
n7gcn	martha (n7gco)	110				1												
n7hcj	woody	111		1	1	1	1	1	1				1					
n7jrp	jack	112						1										
n7jvq	lynn	113								1								
n7sjm	scott	114														1		
n7un	guy	115						1										
n7wa	mike (m&k)	116				1												
nq7v	corky	117																
nw3d	verne	118								1								
w3as	doug	119																
w7ink	richard (m&k)	120				1												
w7rjr	bob	121						1										
w7saf	shirley (k9jff)	122												1				
w7scd	scott	123							1	1								
w7stv	steve	124																
w7uuu	dave	125																1
wa7yei	yvonne (k7tm))	126			1									1				
wb7qvp	jan	127								1								