

June, 2012

Seattle, Washington

The BEAR FAX

Boeing Employees Amateur Radio Society



General Meeting Dates and Locations

June: First Saturday, June 2, Northwest Aero Club Room, Red Barn 1st floor, NW Corner, MOF.

September: Second Saturday, September 8, Red Barn Classroom, Red Barn basement, MOF.

BEARS Support Fun Run in Capitol State Forest

This year's Washington ATV Associations Fun Run at the Capitol State Forest found some 140 riders of motor cycles, quad runners, and one lonely tricycle eager to go run the trails. The 26 mile course was dry for the first time in years. The trail was in pretty good shape thanks to the ATV Club and its many work parties. The run started at 9 AM and all riders were on the trail by 9:15. The BEARS manned 4 check points and one spotter position. We could have used an additional person but we



Several riders at one of the Fun Run checkpoints.

made do. We installed two receive only stations, one at the start/stop line and one at check point 3. These provided the admin crew from the ATV club with QST information from base camp

(Continued on page 4)

General Membership:

- General membership meeting Saturday, June 2 at 8:30 AM in the NW Aero Club Room at the Museum of Flight.
- The June program will be a presentation on 2012 Field Day plans by Ray McCaw, KB7OPQ.
- Summer is coming up fast. You should be collecting materials for your antenna project now.
- Visit some hamfests this summer - have fun.

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MOF Volunteer Report

The Museum has requested that the network group install a 208 Volt receptacle in the Museum's server room, which is located in the Personal Courage Wing of the Museum. The new receptacle will be used to power a new, larger UPS for the Museum's 100 gigabyte fiber backbone. The server room

also contains most of the Museum's network HUB equipment.

The Airpark now has a new blacktop surface and we expect that installation of power for the 747 exhibit and displays will begin very shortly. This power is also important for the BEARS.

Watch the *Aloft Magazine* for the summer activities at the Museum. This time period is when the fly ins of historic aircraft take place and when some of the latest fighter aircraft can be seen.

Ray McCaw, KB7OPQ

Hibernators Run EMT

The Hibernators have been installing conduit supports for the new power run along the fence line. Ray Fletcher, KB7VMS, and Chuck

McGregor, N7RHU, have been doing a bang up job drilling and threading holes for the conduit clamps. They say 400 feet of EMT

conduit has been delivered by WESCO and is about to be mounted on the fence.

Ray McCaw, KB7OPQ

May 2012 General Meeting Minutes

The meeting was called to order by President Roger Swann, WB7VQX, at 8:30 AM, May 12, 2012 at the Museum of Flight in the Red Barn Classroom. The meeting was opened with the Pledge of Allegiance. Members and guests were introduced. 19 members were present.

Correspondence: Roger mentioned that Barbara Lewis of Boeing asked about the old phone lines to the repeater. Since we don't use them anymore, they will be closed out.

Secretary's Report: The April minutes were printed in the May BEAR FAX and were open for review. No additions or corrections were needed.

Treasurer's Report: Glen Kristensen, N7UIG, reported that the total expenses for last month were \$19.92, with \$2354 in income from dues, Puyallup, and a donation, \$0.54 in account interest, \$81.25 in cash on hand, \$20.05 change in the hamfest cashbox, \$1845.17 in the savings account, and \$3055.24 in the checking account for a total of \$5001.71.

Trustee Report: None.

Membership Report: Roger reported for Jack Williams, W7HNN, that there are 40 employees, 11 employee family, 70 retired, 13 retired family, 2 vendor, 1 vendor family, 2 sanctioned, 3 associate, and 9 complimentary for a total of 151 members.

Digital Report: None.

Repeater Report: None.

Satellite Report: None.

Beacon Report: None.

QRP Report: Steve Barrett, N7BVY, is back and doing well.

HF Report: Larry Shirk, AA7UA, reported on the Pacific Amateur Radio

Guild and on NS0W of Longmont Colorado who attached a 2 meter transmitter to his pet tortoise so he could be tracked when he escapes.

Contest Report: Don Sandstrom, W7VXS, presented slides showing the present and predicted propagation conditions and described upcoming contests.

Facilities, Emergency Services, Historian, and Field Day Report: None.

Newsletter Report: Larry Hughes, WA7GOK, reported that the BEAR FAX went out on time.

MOF Activities: None.

Other or Special: Ermanno Rusi, N7VIQ, showed pictures of club members from 1993.

Old Business: None.

New Business: None.

Program: Lyle Johnson, KK7P, of Elecraft exhibited the new KX3, a Software Defined Radio (SDR). He explained SDR and the efforts put into the design of the KX3. It has many great features, and at about \$799 for the radio, it is affordable for someone looking to get into SDR.

Minutes recorded by Paul Fullmer, AC7UT, for Mike Lewis, KB7KYA, Secretary



Lyle Johnson, KK7P, of Elecraft shows off the interior of the new Elecraft KX3 Portable Software Defined Radio.

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June 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				<i>May 31</i> Executive Board 7:00 PM, contact Roger Swann, WB7VQX	<i>1</i>	<i>2</i> General Mtg. 8:30 AM, NW Aero Club Room, MOF Wake-Up! QRP Sprint Sea-Pac Hamfest, Seaside
<i>3</i> Sea-Pac Hamfest (cont.)	<i>4</i> RSGB 80m Club Champi- onship, Data	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i> Asia-Pacific Sprint, SSB ARRL June VHF QSO Party Port Ludlow ARC swap meet* Wenatchee Hamfest*
<i>10</i> ARRL June VHF QSO Party (cont.)	<i>11</i>	<i>12</i> NAQCC Straight Key/ Bug Sprint	<i>13</i> RSGB 80m Club Champi- onship, CW Digital Committee 5:00 PM, contact Glen Kristensen, N7UIG	<i>14</i>	<i>15</i>	<i>16</i> SARL Youth Day Sprint Kid's Day Contest All Asian DX Contest, CW
<i>17</i> All Asian DX Contest, CW (cont.) Run for the Bacon QRP Contest	<i>18</i>	<i>19</i>	<i>20</i> NAQCC Straight Key/ Bug Sprint Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	<i>21</i> RSGB 80m Club Championship, SSB	<i>22</i>	<i>23</i> Marconi Memorial HF Contest ARRL Field Day
<i>24</i> Marconi Memorial HF Contest (cont.) ARRL Field Day (cont.)	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i>	<i>29</i>	<i>30</i> RAC Canada Day Contest

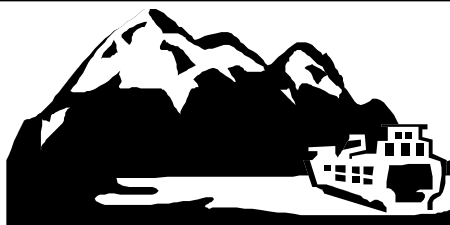
* "Source: PNW Hamfair webpage at <http://www.n7cfo.com/amradio/hf/hf.htm>."

Club Activities

The BEARS General Membership meets monthly except July and August at 8:30 AM on the first Saturday of the month. If the first Saturday is on a Boe-ing holiday weekend, the executive board and general membership meetings are held one week later than normal. Meet-ings are held in the Red Barn Classroom at the Museum of Flight unless otherwise noted on the front page of this newsletter. The talk in frequency for the General Meeting is 145.51MHz simplex.

The Executive Board meets from 7:00 PM to 9:00 PM at an officer's home on the Thursday preceding the General Membership meeting. BEARS members having business to bring before the Ex-ecutive Board are requested to contact the president so that your business can be placed on the meeting agenda.

The Digital Committee occasionally meets at 5:00 PM on the 2nd Wednesday



of the month. Contact Glen Kristensen, N7UIG, for information.

The Hibernating BEARS meet at 10:00 AM on the 3rd Wednesday of the month at various locations. Contact Ray McCaw, KB7OPQ, for information.

The HF Group gets together for short meetings following a General Member-ship meeting. Contact Larry Shirk, AA7UA, if you are interested.

The QRP Group promotes low power (less than 5 watts) operation. There are no scheduled meetings at this time. Con-tact Steve Barrett, N7BVY, if you are

interested.

The BEARS K7NWS voice repeaters: 145.330, 224.340, and 442.075. These repeaters are located about 20 miles east of Seattle at an elevation of 2600 Feet on West Tiger Mountain and can be con-nected to the Evergreen Intertie. The Evergreen Intertie is a loose confedera-tion of repeaters located between Salem, Oregon; Seattle, Washington; and Spo-kane, Washington that can be linked to-gether to enable a user to communicate over a large portion of Washington and Northern Oregon. For more information subscribe to <http://groups.yahoo.com/group/evergreenintertie/>.

The BEARS APRS Digipeater: 144.390

The BEARS Beacon is on 10 Meters at 28.2645 MHz. and has a CW ID.

The BEARS Web Page is at www.qsl.net/k7nws.

Fun Run (cont.)

and other check points. Ray McCaw, KB7OPQ, manned check point 1 and after the course sweepers came through he moved over to check point 3. Only a few riders had passed check point 3 before Ray got there. At check point 2, Burt Caley, WA7QQK, manned that post and Alex Davis, KE7VVCV, manned the spotter position. Alex kept the passing traffic from running over the riders where the trail crosses. Way over at

the Rock Candy Trail Head was Larry, WA7GOK, with the fuel truck. Only riders taking the long course saw Larry. He was stationed under the 250KV power lines which added to the adventure. Left down at base camp and check point 4 was Stu Tracy, N7RVF, playing pivot man since he had the big power and the Ringo Ranger antenna. Check point 1 could hear Larry, but Larry couldn't hear Ray. Ray and Alex were using

HTs which limited the output power. The message relaying requirement was not as demanding with the forest being drier; wet trees really shorten the talking distance. We did not have to use the Capitol Peak Repeater but it was available. We only had two injuries which were minor. A good time was had by all and the food was not too bad either.

73, Ray McCaw, KB7OPQ



Charging batteries from Stu's motor home before the event.



Here is the "fuel truck" stationed at the Rock Candy Mountain entrance to the Capitol State Forest. This is the most northerly point on the long course. Riders who anticipated a need for fuel here provided their own fuel supply and the "fuel guy", seated on his trailer, brought it to this point. Larry's comm. truck is in the center of the picture. The other vehicles in the background are not related to the ATV event.

President's Corner

The May general meeting was another good one. Lyle Johnson, KK7P, from Elecraft provided some very interesting information on the KX3 portable transceiver. I am always a little apprehensive when our chief bottle washer, Ray McCaw, KB7OPQ, is not available to support a meeting. In this case, Ray and others were supporting the annual Western Washington Off Road Vehicle event, in the Capitol State Forest west of Olympia. I extend an extra "thanks" to those who helped pull the meeting together; Paul Fullmer, AC7UT, Don Sandstrom, W7VXS, and Steve Barrett, N7BVY. Your additional effort made it all work and was much appreciated.

Yikes! We are approaching the half way point, in the year. What has happened to the last few months? I have

a theory that the expanding universe is causing time to speed up a little more each year. Of course, the half way point also marks Field Day. This year the BEARS will be doing something new and different by joining with the Puyallup EOC ARES group. Everyone do come by and join the fun for a few hours or the whole event. In addition to getting some radio time, I always enjoy seeing the latest projects and equipment members are involved with. New toys are always interesting to play with even if they are not explicitly radio. In addition to the equipment and supplies we bring from the BEARS shack, there is always a need for the extras. Additional cables, adapters, converters, chairs, portable lights, anything that may help with the setup or make life a little easier during the operation. Of course, a few extra snacks on the

side are always appreciated. I look forward to seeing you all for Field Day.

John McDuff, KA7TTY, the BEARS' official WEB Master, is working on moving the website to a new online host. It is expected that the new hosting facility will provide some better administrative features and make upkeep a bit easier. As part of the effort, he is working to freshen up the look of the pages and incorporate some improvements. If you have any changes, improvements, or ideas that you would like to see on the BEARS site please let John know.

Everyone have a GREAT summer.

73, Roger Swann, WB7VQX

Contest Column & Field Day

ARRL Field Day is coming up in June, on the 23-24, beginning at 1800 UTC Saturday and ending at 2100 UTC Sunday (11:00 AM PDT Saturday to 2:00 PM PDT Sunday). This year the BEARS plan to team up with the South Pierce County ARES group at the Puyallup emergency operations center (EOC). The site is located at 1200 39th Avenue SE, on the Puyallup south hill. Last fall, at the invitation of Jim Lawrence, N7RHX, a contingent of BEARS members made a visit to the site to evaluate its potential as a Field Day location. Their conclusion was favorable, and planning has continued for going ahead with this site for our 2012 Field Day operation.

Figure 1 is an aerial image of the site showing an open area approximately 200x200 feet, along with the EOC just to the east, with its communications tower. Figure 2 is a topographic

map including the site and surrounding area. Also shown is an elevation profile of the terrain directly eastward from the site. The terrain profile shows a rise of ground approximately 50-75 feet higher than the site elevation at a range of about 2,000 feet due east. This feature would cause terrain blockage of less than 2 degrees elevation above the site horizon—insufficient to cause problems with HF propagation from the site. The EOC site's location appears to offer good HF and VHF propagation paths in most directions.

The BEARS have traditionally operated on Field Day as a class A entry. Field Day rules specify that class A stations may not use permanent station facilities or use any permanently installed structure. At the present stage of planning it is not known whether the South Pierce County ARES group wishes to operate a

class A station or whether they plan to operate from their permanent station installed in the EOC building. Should operation from the EOC be desired, it would be possible for the combined operation to operate as a class F entry, which provides for operations from an EOC. Class F stations may utilize equipment and antennas temporarily or permanently installed at the EOC. Field Day rules can be found at www.arrl.org/files/file/Field-Day/2012/2012-FD-Rules.pdf.

Like class A entries, class F entries may claim the emergency power bonus points, are eligible for a free VHF station, and are also eligible for a GOTA station if operating class 2F or above. Based on this rule information, it would appear the BEARS could accommodate South Pierce County ARES should they wish to

(Continued on page 6)



Figure 1. Aerial view of the Puyallup Emergency Operations Center (EOC) site at 1200 39th Avenue SE. The open field at the left will be the set-up area for Field Day stations. The building and tower at the right are part of the EOC facility.

Copntest Column (cont.)

operate from their EOC station, without giving up any of the bonus options or other operation options the BEARS would have had as a class A entry. Field Day planning will be the main topic of the June BEARS general meeting, on June 2. A meeting is planned for early June with the South Pierce County ARES group to develop detailed plans for the joint operation.

This year we plan to again use computer logging at each of the HF stations and possibly also at the VHF station, using N3FJP networked logging software. This approach was used at last year's Field Day with good results. The computer generated log made preparation of the contest entry much easier by eliminating the hand-generated dup sheets.

Because this edition of the BEAR FAX will be the last one until September, I would like to introduce some of the options for summer contesting coming up in the interim.

In June, besides Field Day, the ARRL June VHF QSO party will take place from 1800 UTC June 9th to 0300 UTC June 11. State QSO parties are Alabama, 2-3; and West Virginia, 16-17.

July brings the RAC Canada Day

contest from 0000 to 2359 UTC on July 1. The IARU HF World Championship Contest runs from 1200 UTC July 14 to 1200 UTC July 15. See the announcement of this contest in the June issue of QST, page 87. The North American QSO Party, RTTY runs from 1800 UTC July 21 to 2100 UTC July 22. The New Jersey QSO Party is on July 28-29.

In August, the North American QSO Party CW Contest runs from 1800 UTC August 4 to 0600 UTC August 5. The WAE DX CW Contest runs from

0000 UTC August 11 to 2359 UTC August 12. The North American QSO Party SSB Contest runs from 1800 UTC August 18 to 0600 UTC August 19. And the ARRL Rookie Roundup RTTY Contest runs from 1800-2359 UTC August 19. State QSO Parties are Maryland-DC, 11-12; Hawaii, 25-26; Kansas, 25-26; and Ohio, 25-26.

I hope to see many fellow BEARS members on Field Day. Everybody have a great summer!

Don Sandstrom, W7VXS

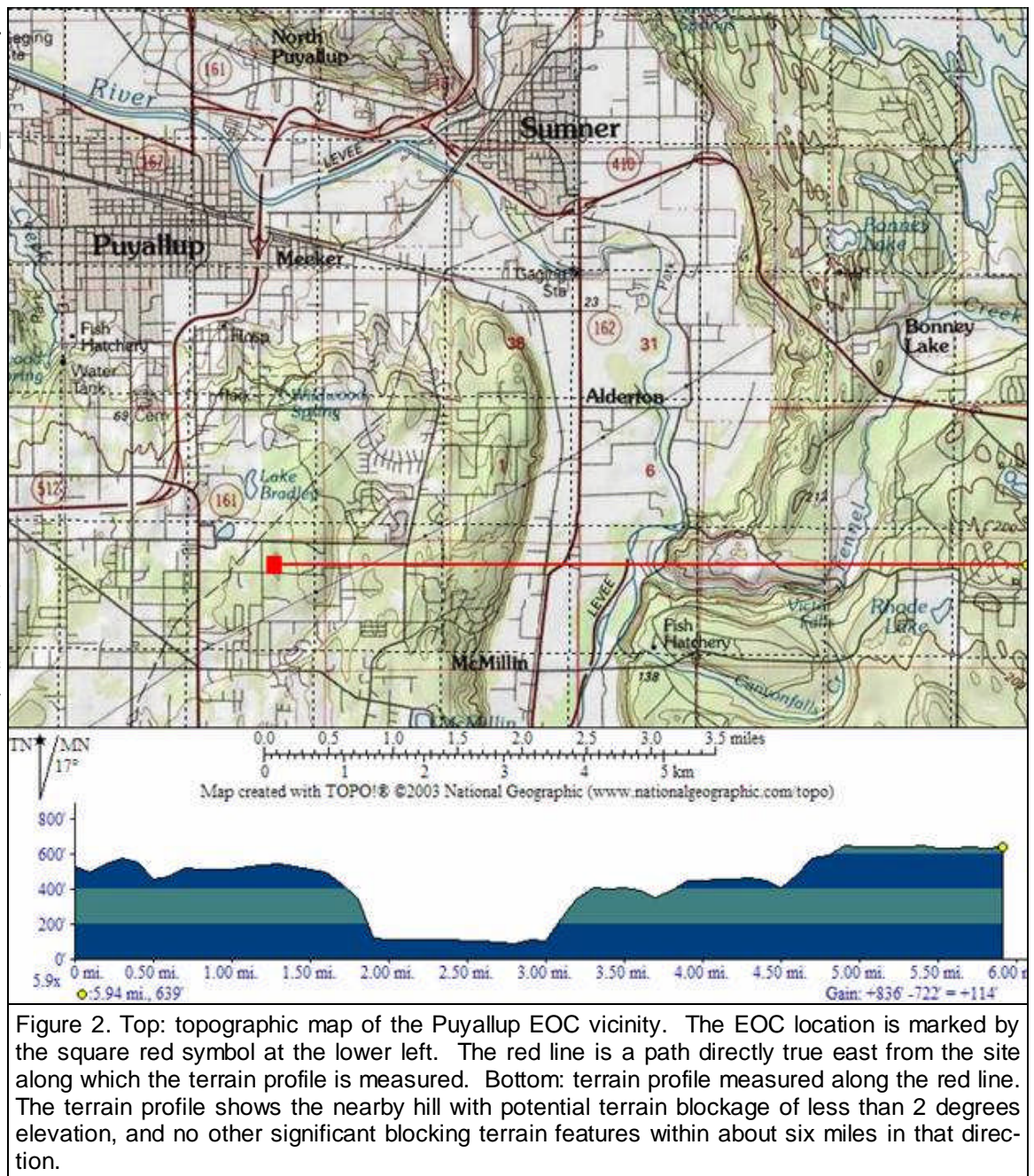


Figure 2. Top: topographic map of the Puyallup EOC vicinity. The EOC location is marked by the square red symbol at the lower left. The red line is a path directly true east from the site along which the terrain profile is measured. Bottom: terrain profile measured along the red line. The terrain profile shows the nearby hill with potential terrain blockage of less than 2 degrees elevation, and no other significant blocking terrain features within about six miles in that direction.

July 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
<i>1</i> RAC Canada Day Contest (cont.)	<i>2</i> RSGB 80m Club Championship, CW	<i>3</i>	<i>4</i> MI QRP July 4th CW Sprint	<i>5</i>	<i>6</i>	<i>7</i> DL-DX RTTY Contest
<i>8</i> DL-DX RTTY Contest (cont.) DARC 10-Meter Digital Contest QRP ARCI Summer Homebrew Sprint	<i>9</i>	<i>10</i>	<i>11</i> RSGB 80m Club Championship, SSB Digital Committee 5:00 PM, contact Glen Kristensen, N7UIG	<i>12</i>	<i>13</i> FISTS Summer Sprint	<i>14</i> IARU HF World Championship
<i>15</i> IARU HF World Championship (cont.)	<i>16</i>	<i>17</i>	<i>18</i> NAQCC Straight Key/ Bug Sprint Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	<i>19</i> RSGB 80m Club Championship, Data	<i>20</i>	<i>21</i> DMC RTTY Contest North American QSO Party, RTTY CQ Worldwide VHF Contest
<i>22</i> DMC RTTY Contest (cont.) CQ Worldwide VHF Contest (cont.)	<i>23</i>	<i>24</i>	<i>25</i>	<i>26</i>	<i>27</i>	<i>28</i> Chehalis Valley ARS Swap Meet RSGB IOTA Contest
<i>29</i> RSGB IOTA Contest	<i>30</i>	<i>31</i>				

BEARS Sell & Buy

Ron Stein, W7GAX, of Burien, Washington is having a summer sale with the following items available:

- Rohn 45 tower section for mounting in concrete. 7ft. length, re-hot dipped galvanized, straight. \$75
- Rohn 45 tower top section 45AG with 2" OD alignment pipe. 9 feet long, needs some clean-up, straight. \$50
- Glen Martin TB-25 tower mast thrust bearing. 2 5/8" maximum mast size, 900 lb vertical load rating, new with instructions. \$75.
- Yaesu absorber joint GA3000 for Yaesu G-2800 rotator. New with instructions. \$125.
- AMECO PT-2 transponder pre-amp. 1.8-54 MHz with operation manual. \$40.
- Heathkit dummy load model HN-1. Includes 1 gallon of oil installed, 50 ohms, good condition, with manual. \$25.
- STACO variac. 120 VAC in, 0-120 VAC out at 15 A, 2.10 KVA, like new with instructions. \$25.
- Operating Tables. 30" x 48" x 24 1/2" high, black steel framework and legs with dark walnut grain composite surface, no drawers, came from Boeing Surplus. \$15 each.

If you are interested in any of the above items contact Ron at (206)-246-1915.

August 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4 ARRL UHF Contest North American QSO Party, CW TARA Grid Dip Shindig 10-10 Int. Summer Contest, SSB
5 ARRL UHF Contest (cont.) 10-10 Int. Summer Contest, SSB (cont.)	6	7	8 Digital Committee 5:00 PM, contact Glen Kristensen, N7UIG	9 NCCC Sprint Ladder	10	11 Radio Club of Tacoma Hamfair WAE DX Contest, CW
12 WAE DX Contest, CW (cont.)	13	14 NAQCC Straight Key/Bug Sprint	15 Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	16	17	18 North American QSO Party, SSB ARRL 10 GHz and Up Contest SARTG WW RTTY Contest
19 Antique Radio Swap Meet ARRL Rookie Roundup, RTTY ARRL 10 GHz and Up Contest (cont.) SARTG WW RTTY Contest (cont.)	20	21	22	23	24	25 BEAR FAX cut off Highline ARC Hamfest* SCC RTTY Championship
26 SCC RTTY Championship (cont.)	27	28	29 BEAR FAX complete	30	31 BEAR FAX mailed All Asian DX Contest, Phone	

* "Source: PNW Hamfair webpage at <http://www.n7cfo.com/amradio/hf/hf.htm>."

September 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1 All Asian DX Contest, Phone AGCW Straight Key Party
2 All Asian DX Contest, Phone (cont.) DARC 10-Meter Digital Contest	3	4	5	6 Executive Board 7:00 PM, contact Roger Swann, WB7VQX	7 North American Sprint, CW ARRL September VHF QSO Party	8 General Mtg. 8:30 AM, Red Barn Classroom, Museum of Flight WAE DX Contest, SSB
9 WAE DX Contest, SSB (cont.)	10	11	12 Digital Committee 5:00 PM, contact Glen Kristensen, N7UIG	13	14	15 ARRL 10 GHz and Up Contest Washington State Salmon Run
16 ARRL 10 GHz and Up Contest (cont.) Washington State Salmon Run (cont.)	17	18	19 Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	20	21	22 BEAR FAX cut off
23 QRP Home-brewer Sprint	24	25	26 BEAR FAX complete	27	28 BEAR FAX mailed	29 CQ Worldwide DX Contest, RTTY
30 CQ Worldwide DX Contest, RTTY (cont.)						

Nets	Time	Frequency	Activity
Mon/Fri	5:45 AM	145.33	Weather Net
Mon/Fri	4:45 PM	145.33	Weather Net
Monday	8:00 PM	145.33	YL Net
Tuesday		145.33	Open
Tuesday	8:30 PM	28.3565	CW Net
Wednesday	11:15 AM	145.51 Simplex	BACS
Wednesday	8:00 PM	145.33	General Info & Technical Net
Thursday	8:00 PM	145.33	Computer & Packet Net **
Friday	8:00 PM	145.33	Youth Net **
Saturday	9:00 AM	145.33	Swap Net
Sunday	12:01 AM	145.33	Night Owls **
Sunday		145.33	Open
Sunday	10:00 PM	145.33	Northwest Astronomy Net

Boeing Amateur Radio Clubs

Autonetics Radio Club:

www.gsl.net/k6nx

BEARONS:

<http://myplace.frontier.com/~evernhamms91/bearons.htm>

BEARS—Huntington Beach

<http://minear.homeunix.com/bears-hb>

BEARS—Philadelphia

BEARS—Seattle

www.gsl.net/k7nws

BEARS—St. Louis

www.w0ma.org

BEARS—Wichita

<http://home.southwind.net/~bears/>

Boeing Portland Amateur Radio Club—N7PDX

POC: Duane Shults, N7QDN (n7qdn@arrl.net)

DACARC (Long Beach)

POC: Ed Mitchell 562-982-6943

Hughes Ham Club

<http://users.aol.com/w6ha/w6ha1.htm>

** Not active, need net control. If interested, contact Ray, KB7VMS

2012 Executive Board

POSITION	NAME	CALL	HOME PHONE	WORK PHONE	E-MAIL ADDRESS	MAIL CODE
President	Roger Swann	WB7VQX	253-941-0935		wb7vqx@arrl.net	
Vice President	Don Sandstrom	W7VXS	206-232-3471	Retired	don.sandstrom@mailaps.org	US Mail
Treasurer	Glen Kristensen	N7UIG	253-630-1085			
Secretary	Mike Lewis	KB7KYA	253-631-3502	Retired	kb7kya_mike@comcast.net	US Mail
Trustee	Henry Oman	K7HO	206-878-4458	Retired	h.oman@ieee.org	US Mail

2012 Standing Committees

POSITION	NAME	CALL	HOME PHONE	WORK PHONE	E-MAIL ADDRESS	MAIL CODE
Facilities/Historian/ Fld Dy/Emergcy Svcs	Ray McCaw	KB7OPQ	253-891-1353	Retired	kb7opq@comcast.net	US Mail
Membership	Jack Williams	W7HNN	509-674-5758	206-228-9987	w7hnh@arrl.net	US Mail
Repeater	Ray Fletcher	KB7VMS	206-935-6564	Retired	kb7vms@comcast.net	US Mail
Digital	Glen Kristensen	N7UIG	253-630-1085			

2012 Special Committees

POSITION	NAME	CALL	HOME PHONE	WORK PHONE	E-MAIL ADDRESS	MAIL CODE
Satellite	Stu Tracy	N7RVF	425-228-1765	Retired	n7rvf@aol.com	US Mail
HF Group	Larry Shirk	AA7UA	206-824-4004	Retired	aa7ua@arrl.net	US Mail
Contesting	Don Sandstrom	W7VXS	206-232-3471	Retired	don.sandstrom@mailaps.org	US Mail
Emergency Svcs.	Ray McCaw	KB7OPQ	253-891-1353	Retired	kb7opq@comcast.net	US Mail
QRP Group	Phil DeCaire	WB7AEI	253-630-6734		radioWB7AEI@comcast.net	
Librarian	Ray McCaw	KB7OPQ	253-891-1353	Retired	kb7opq@comcast.net	US Mail
Meeting Equip- ment Operator	Don Sandstrom	W7VXS	206-232-3471	Retired	don.sandstrom@mailaps.org	US Mail
Meeting Door prizes	Chris Kendrick	KE7RGI	425-306-0992		slotforce@aol.com	
Newsletter	Larry Hughes	WA7GOK	360-432-0689	Retired	handlhughes@aol.com	US Mail
Newsletter mailing	Steve Hopkins	WA7NTL	425-238-0262			
Web Pages	John MacDuff	KA7TTY	425-392-7623		ka7tty@arrl.net	
Direction Finding	Ray Fletcher	KB7VMS	206-935-6564	Retired	kb7vms@comcast.net	US Mail
Evergreen Intertie	Jack Williams	W7HNN	509-674-5758	206-228-9987	w7hnh@arrl.net	US Mail
10M Beacon	Phil DeCaire	WB7AEI	253-630-6734		radioWB7AEI@comcast.net	
QSL Manager	John McLaren	KC7MIQ	253-850-5947		kc7miq@arrl.net	

2012 Repeater Control Operators

POSITION	NAME	CALL	HOME PHONE	WORK PHONE	E-MAIL ADDRESS	LOCATION
Operator	Jack Williams	W7HNN	509-674-5758	206-228-9987	w7hnh@arrl.net	Cle Elum
Operator	Ray Fletcher	KB7VMS	206-935-6564	Retired	kb7vms@comcast.net	Seattle
Operator	Dan Meadows	N7PWO	206-878-2404			Des Moines
Operator	Stu Tracy	N7RVF	425-228-1765	Retired	n7rvf@aol.com	Renton
Operator	Bob Osness	AE7EE	425-432-5887	Retired	ROsness@copper.net	Maple Valley
Operator	Ray McCaw	KB7OPQ	253-891-1353	Retired	kb7opq@comcast.net	Bonney Lake
Operator	Ermanno Rusi	N7VIQ	425-392-6864	Retired	e.rusi@comcast.net	Sammamish
Operator	Ralph Javins	N7KGA	425-481-7418	—	—	North Creek
Operator	Debbie Riehl	N7FL	425-481-7418	—	—	North Creek

BEARS Membership Application.

Valid for Year 2012 Memberships Only.

Name _____, Date _____

Call _____, Class of License _____, Expires _____

Street _____

City _____, State _____, ZIP _____

Home Phone _____, Check if you do not want it published _____

BEMSID _____, Organization # (employees only) _____

Retirees, you may obtain your BEMSID by calling Boeing Total Access at 1-866-473-2016. Other non employees or non retirees must have an employee or retiree sponsor. Enter your sponsor's BEMSID. If necessary, please contact a club officer for help with this item.

Work Phone _____, Mail Code _____, E-mail Address _____

➔ Newsletter distribution option: _____ US Mail, _____ E-mail, _____ E-mail notification only, _____ Boeing Mail

Application type: _____ New, _____ Renewal, ARRL Member (Y/N) _____

_____ Employee: _____ Annual dues \$15, _____ After 7/1 \$10 (New only), _____ After 10/1 \$5 (New only)

_____ Employee family member: _____ Annual dues \$3, _____ Free after 10/1 (New only)

_____ Retiree Annual dues \$10, _____ Retiree family member Annual dues \$3

_____ Vender Annual dues \$15, _____ Vender family member Annual dues \$3

_____ Associate Annual dues \$10 (Must also fill out Associate Members Application for the Initial year only)

_____ Sanctioned Annual dues \$15 (Renewal only – No new applications)

(Family members must be spouse or dependent child of primary member **and must sign a separate application**)

Check here _____ if you would like to be included in the list given to local suppliers that agree to provide discounts to BEARS members. The suppliers will be authorized to use this list for mailings of their special offers. No redistribution or sale of the list by the supplier to other parties will be authorized.

Primary ham radio interests:

Operating

_____ HF CW/SSB, _____ HF Digital (AMTOR, RTTY), _____ VHF/UHF CW/SSB, _____ VHF/UHF FM,
_____ Packet, _____ Satellite, _____ SSTV/ATV, _____ QRP

Training

Teach class: _____ Tech, _____ Gen., _____ Extra, _____ Packet, _____ Satellite

Attend class: _____ Tech, _____ Gen., _____ Extra, _____ Packet, _____ Satellite

Club Activities

Field Day (June): _____ Attend, _____ Operate, _____ Help setup/cleanup
_____ Public Service events, _____ Transmitter hunts / DFing, _____ Contest/operating events,
_____ Experimenting/Homebrew

Facilities (Maintenance/expansion)

_____ HF, _____ VHF/UHF Repeater/links, _____ Packet, _____ Computer

Club Leadership: _____ Elected office, _____ Committee chair/member, _____ Bulletin publication

Release and Indemnity Agreement

I state that I wish to participate in activities offered by the Boeing Employees Amateur Radio Society, or the Boeing Employees Amateur Radio Operators North Society, (hereafter referred to as the "Amateur Radio Club") a Boeing Recreation Club. I RECOGNIZE THAT ANY AMATEUR RADIO CLUB ACTIVITIES MAY INVOLVE CERTAIN RISKS. I certify that I am aware of the risks involved in this activity, including but not limited to, the actions of any other club member, any participants or any other persons all of which may result in personal injury, death, property damage and other losses.

In consideration for the right to participate in the Amateur Radio Club activities, I HEREBY RELEASE THE AMATEUR RADIO CLUB AND ITS INSTRUCTORS AND MEMBERS AND THE BOEING COMPANY FROM ANY AND ALL LIABILITY, CLAIMS, AND CAUSES OF ACTION ARISING OUT OF OR IN ANY WAY CONNECTED WITH MY PARTICIPATION IN ANY AMATEUR RADIO CLUB ACTIVITIES. I PERSONALLY ASSUME ALL RISKS IN CONNECTION WITH THESE ACTIVITIES, AND FURTHER AGREE TO INDEMNIFY THE AMATEUR RADIO CLUB AND ITS MEMBERS AND INSTRUCTORS, AND THE BOEING COMPANY FROM ALL LIABILITY, CLAIMS AND CAUSES OF ACTION, WHICH I MAY HAVE ARISING FROM MY PARTICIPATION IN CLUB ACTIVITIES. The terms of this agreement will serve as a release and indemnity agreement for my heirs, personal representative, and for all members of my family, including minors.

I further state that I am eighteen (18) years of age or older and legally competent to sign this release, that I understand these terms are contractual and not a mere recital, and that I have signed this document as my own free act. (Parents or legal guardians must sign for all persons under eighteen (18) years of age).

I HAVE FULLY INFORMED MYSELF OF THE CONTENTS OF THIS RELEASE AND INDEMNITY BY READING IT BEFORE I SIGNED IT. **NOTE: Each applicant must submit an individually signed application.**

_____,
(Applicants' signature)

_____,
(Date)

_____,
(Guardians' signature if under 18 years) (Date)

Please make check payable to "BEARS" and mail the above completed and signed form to "BEARS/ Glen Kristensen" at M/C 8Y-58, via in plant mail, or at M/C 8Y-58, PO Box 3707, Seattle, WA 98124-2207, via U.S. Mail.

Boeing Recreation
Associate Membership Application

Club: _____

Membership Year: _____

Name of Associate Member: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Qualification: _____ Immediate Family Member* _____ Former Boeing Employee**

*Please indicate relation to member

_____ Father _____ Mother _____ Sister _____ Brother _____ Non-Dependent Child

**Former Boeing Employees are defined as those who either voluntarily terminated their employment or individuals who were previously employed by the company and terminated as a result of reduction in force. In addition, they must have been employed by the company and been active members of the club for which they are seeking associate membership for a minimum of 3 consecutive years immediately prior to their application for associate membership. Former employees must provide evidence of their termination status such as a copy of their resignation letter or a copy of their reduction in force notice prior to approval of their associate membership. This should accompany this application for associate membership.

If immediate family member, please indicate the sponsoring qualified member

Sponsoring Qualified Member: _____

Work Phone of Sponsor: _____

I agree to comply with all rules, by-laws and standards established for the safety and well being of the members of the Recreation Clubs.

Signature of Associate Member: _____

Please make a copy for club file and send original to Recreation, 4H-58