September 2026

Seattle, Washington

The BEAR FAX

Boeing Employees Amateur Radio Society

General Membership:

- General membership meeting Saturday, September 12 at 9:00 AM in the Board Room at the Museum of Flight and online via Zoom.
- See at right for information on the September Meeting Program.
- Have an idea for a General Meeting Program? If so contact John MacDuff, KA7TTY.

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BEARS 2026 Field Day Report

BEARS were represented on ARRL Field Day again this year, with a gathering at the Museum of Flight (MoF) Shack facility to operate in the national event and enjoy some comradery and eyeball QSOs. The event took place on June 27-28, with operation starting at 11:00 AM PDT Saturday and continuing to 11:00 AM Sunday. A preparation team came in Friday morning to start setting up. Setup continued early Saturday.

Operation consisted of the HF station in the trailer operating FT-8 mode, using the tower-mounted HF beam. A field station was set up just inside the MOF parking lot fence north of the Shack, housed in the MoF Step van, and using our A3S beam and trailer-mounted tower. The UHF Winlink station in the trailer was used to send messages to ARRL officials, and our satellite station also made a contact.

Emergency power for the Shack was provided by the MOF site generator, which was tested by Ray Fletcher, KB7VMS. A Honda generator was used at the field station and as an experiment a portable solar setup was also connected to the radio and provided power for that component.

Thirteen BEARS members participated this year: Steve Barrett, N7NTE; Abigail Chang, KD7PWJ; John Mac Duff, KA7TTY; Ray McCaw, KB7OPQ; Chuck McGregor, K7MCG; Ray Fletcher, KB7VMS; Dan Holm, AA7JP; Larry Hughes, WA7GOK; Stu Tracy, N7RVF; Richard Sanders, W7RCS; Don Sandstrom, W7VXS; Mike Slane, N7KNU; and Bob Volkmar, WB7AEU.

A total of 222 QSOs were made for a total operating score of 882 points. Additional bonus points were earned for emergency power, ARRL section manager message, natural power QSOs, site responsibilities (safety), satellite QSO, and web entry for a total of 600. The combined score of 1,482 was uploaded to ARRL. Look for our listing in November or December QST issues.

Don Sandstrom, W7VXS

Meeting Program to be on POTA

Paul Butzi, W7PFB, will make a presentation on "Parks On The Air (POTA) activations: Getting started and what works and what doesn't". Paul has an Extra Class license and is from Carnation. He has over 400 POTA activations and will tell us how to get started and share his experiences making those activations.

Take care,
John MacDuff, KA7TTY

MoF Volunteers Move Outlets

Over the summer months, the BEARS MoF volunteers have been busy working several tasks. One of the conference rooms needed to be moved to a new room. The BEARS assisted by making electrical equipment changes to the new room to support the AV equipment that would be moved from the old location and by removing some electrical outlets in the room that were no longer needed. The BEARS also replaced several failed LED light fixtures around the museum. It seems there are never enough electrical outlets! The BEARS worked several requests to install additional convenience outlets around the museum, both indoors and out. The lighting upgrades in the M&S cafe, which were being worked last May, were completed in June after additional material arrived.

73, Roger Swann, KK7SX

June 2026 General Meeting Minutes

The meeting was called to order by President Roger Swann, KK7SX, at 9:00 AM, June 6th, 2026 at the Museum of Flight in the Board Room and online via Zoom. The meeting was opened with the Pledge of Allegiance. Members and guests were introduced. 10 people were present and 6 members participated via Zoom.

Correspondence: The outstanding funding requests and administrative filings have been completed.

Secretary's Report: Steve Barrett, N7NTE, reported the May minutes were printed in the June *BEAR FAX* and were open for review. No additions or corrections were needed. The June *BEAR FAX* was distributed to BEARS members. A new procedure was required to upload the current *BEAR FAX* to the K7NWS website and John MacDuff, KA7TTY, was able to create it.

Treasurer's Report: Abigail Chang, KD7PWJ, reported on income, expenses, and the balance as of May 31, 2026. Funding amounts to vendors in support of Field Day activities have been processed.

Trustee Report: Don Sandstrom, W7VXS, reported on administrative plans following the completion of the ARDC project on May 01, 2026.

Committee Reports:

Facilities, Emergency Services, Historian, MOF, and Field Day Report: Ray McCaw, KB7OPQ, brought the donuts & coffee to the BEARS June General Meeting and coordinated the selection of vendors providing services for Field Day. In support of Field Day, Chuck McGregor, K7MCG, volunteered to bring party ice to the C-Van. Extra facilities included a Step-Van provided by the Museum of Flight.

Membership Report: Paul Fullmer, AC7UT, reported there was no change in membership for current month. New hats will be available but with a substantial delay.

Repeater Report: Dan Holm, AA7JP, reported the new Mesh Core repeater was installed at Tiger on Friday, 05-29-2026. Additional trips to Tiger are scheduled this summer to complete equipment upgrades and troubleshot operations. This includes testing and checkout of the Tiger Mountain, Baw Faw, and Bellingham repeater connectivities. A new development, to add frequency measurement and standardization equipment at each repeater site is being investigated.

Satellite Report: Stu Tracy, N7RVF, reported a priority work effort is underway at the Shack to get a working internet connection for entering Keplerian parameters and to support contest software connectivity.

MOF EOC Support Report: This chair is open, please volunteer.

10-meter Beacon Report: Stu Tracy, N7RVF, reported the Beacon is working.

HF & Contesting Report: Don Sandstrom, W7VXS, reported on the anticipated HF propagation conditions on Field Day and confirmed plans for Field Day activities. He noted there appear to be few satellite passes scheduled during the contest. Don will set up his K2 station in the Step-Van and use N3FJP software for logging contacts. The configuration to run automatic logging for Field Day is TBD depending on the internet access available at the Shack.

Newsletter Report: Larry Hughes, WA7GOK, reported the *BEAR FAX* went out on schedule.

Flighty BEAR's Radio Recycling: Chuck McGregor, K7MCG, reported that Flighty BEAR's will continue to be closed, but he will respond to requests for items that are sent to him.

WEB Site: Gary Arensdorf, KI7RAV, and John MacDuff, KA7TTY, presented a summary of key development items to be worked for completion of the website upgrade project.

Old Business: None.

New Business: Archive of historical documents.

Program: BEARS Field Day Planning.

Submitted by Steve Barrett, N7NTE, BEARS Secretary

Flighty BEAR Busy, Has Parts

Flighty BEAR has had a busy summer, attending tailgate swapmeets at Chehalis and Shoreline, but his shack is still full of good stuff for BEARS' projects. He has a pair of 100-watt PA amplifiers, (mono audio amps with built in microphone mixers) and a pair of all-weather horn speakers - equipment left from when BEARS provided communications support for annual Capitol Peak ORV events. Our collection of power supplies, parts, and project boxes is larger than ever. Prices are low as usual, or lower. Please send an email with your needs to Chuck, K7MCG, or come see us at the September BEARS meeting.

73, Flighty BEAR, K7NWS, & Chuck McGregor, K7MCG

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September 2026

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2 *BEAR FAX* complete	3	4	5 *BEAR FAX* distributed
6	7	8	9	10 Executive Board 7:00 PM, contact Roger Swann, KK7SX	11	12 General Mtg. 9:00 AM, in the MOF Board Room and online via Zoom ARRL Sept. VHF Contest WAE DX Contest, SSB
13 ARRL September VHF Contest (cont.) WAE DX Contest, SSB (cont.)	14	15	16 Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	17	18	19 *BEAR FAX* cut off ARRL 10 GHz and Up Contest Washington State Salmon Run
20 ARRL 10 GHz and Up Contest (cont.) Washington State Salmon Run (cont.)	21	22	23 *BEAR FAX* complete	24	25	26 *BEAR FAX* distributed CQ Worldwide DX Contest, RTTY
27 CQ Worldwide DX Contest, RTTY (cont.)	28	29	30			

For a complete list of amateur radio contests see the WA7BNM Contest Calendar at http://www.contestcalendar.com/contestcal.html.

For a complete list of amateur radio events see the Pacific Northwest Hamfairs & Events site at http://www.n7cfo.com/amradio/hf/hf.htm.

* "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 9:00 AM on the first Saturday of the month. If the first Saturday is on a Boeing holiday weekend, the Executive Board and General Membership meetings are held one week later than normal. General Membership Meetings are normally held in the Board Room at the MOF. However, check the first page of each *BEAR FAX* to be sure. Members may also attend the General Membership meeting via Zoom. The talk in frequency for the General Meeting is 145.51 MHz.

The Executive Board meets from 7:00 PM to 9:00 PM via Zoom on the Thursday preceding the General Membership meeting. BEARS members having business to bring before the Executive Board are requested to contact the president to get your business placed on the agenda.

The Hibernating BEARS meet at 10:00 AM on the 3rd Wednesday of the month at the BEARS Shack. Contact Ray McCaw, KB7OPQ, for information. Sometimes the Hibernators meetings are held via Zoom.

Invite emails for Zoom meetings are sent out by John MacDuff, KA7TTY, a day or so before the meeting.

The HF Group The HF Group consists of members interested in operating and maintaining the K7NWS HF station. Several members of the Hibernating BEARS group are active, and participation by all BEARS members is welcome. Contact Don Sandstrom, W7VXS, for information.

The QRP Group and the **BEARS CW Net** are inactive. Please volunteer if you are interested.

The Satellite Committee consists of members interested in operating and maintaining the K7NWS satellite station. Contact Stu Tracy, N7RVF, for more information.

The BEARS Voice Repeaters, K7NWS, are on 145.33 (FM-W), 224.34 (FM-W), 442.075 MHz (FM-W), and 440.3375 (digital-DMR). These repeaters are about 20 miles east of Seattle at an elevation of 2600 Feet on West Tiger Mountain. The 224.34 MHz repeater is linked to the PNW220 system. See http://pnw220.net/ for more information.

The BEARS APRS Digipeater is on 144.390 MHz, and **the BEARS Winlink node** identifies as K7NWS-10 and is on 439.825 MHz VARA (FM-W).

The BEARS Web Site is at www.k7nws.org.

The BEARS Beacon is on 10 Meters at 28.2645 MHz. Reception reports may be filed on the BEARS Web Site.

Current weather and **air quality** data, at the BEARS Weather Station just west of the Museum of Flight in Seattle, are at https://www.pwsweather.com/obs/BEARSBFI.html and https://www.purpleair.com/map?opt=1/mAQI/a10/cC0#14.53/47.51974/-122.30131 respectively.

Teachers In Space Visit BEARS Shack

On Monday, July 20, some people came to the Shack asking about our facility. It turned out they were participants in a teacher-training program going on at the Raisbeck Aviation High School that day. We made contact with the organizer, Jim Kuhl, N2STK, from New York. He described the Teachers In Space (TIS) program, that trains for STEM education and involves space, cubesats, amateur radio, and other specialties (https://www.tis.org/). Jim invited me to speak briefly to the class about the BEARS and our hamshack. We arranged for the group of about 25 teachers to tour the Shack in small groups. It was a rainy morning but that didn't seem to dampen their enthusiasm. Several BEARS members were present--mainly the active MoF volunteers group, as Monday is their usual volunteer day. Thanks to that group for helping escort the visitors.



Don Sandstrom, W7VXS, and unidentified TIS participants at the satellite station. Photo by Jim Kuhl, N2STK, by permission.

It happened that a pass of the SO-50 satellite was coming over about 1:00 PM, just as visitors were coming through. I fired up the satellite station and was able to demonstrate a QSO with a station in Alaska. Our visitors were pretty excited about seeing actual satellite communicatons take place. It was a fun visit. Jim was kind enough to send me a copy of a picture he took after the QSO was complete.

Don Sandstrom, W7VXS

President's Corner

Welcome back from the summer break. Hope that you all enjoyed the summer. I am looking forward to hearing about your outdoor radio adventures, POTA, SOTA, etc. Some of you may have done some antenna work. How about any new radio purchases? What other projects have you been involved with? Have you checked out Meshcore yet? Get back in the routine and join me at the September General meeting. We can talk all about your radio activity over the summer.

73, Roger Swann, KK7SX

Many Changes to BEARS Facilities

All the Shack radios remain operational and ready for members to use. Last June, a project to upgrade the 12V backup battery system was completed. The follow-on task, that was handled during the summer, was to remove and dispose of the old 12V lead acid battery, which was housed in the C-Van. This battery was made up of 6 individual cells that were connected by bus bars. The large cells were separated by removing the bus bars. This allowed easier extraction of these heavy components from the C-Van. They were loaded onto a pallet and transported to a battery recycler. (If I recall correctly, these cells were of a kind used to make up railroad locomotive batteries. ed.) Once the battery was removed, much of the battery charging and DC power distribution equipment was also removed from the C-Van. The internet service, supplied from the MoF via fiber optic cable, was restored to the Shack just prior to the FD event and has been functioning through the summer. With a working internet service, Don Sandstrom, W7VXS, was able to automatically consolidate contest logs from multiple operating positions with high levels of ease, efficiency, and accuracy. Also, a working internet connection is essential for the support of software upgrades and hardware modifications. Thus, the club can now proceed with planned computing improvements that we had deferred earlier due to a lack of an internet connection. One last note; John MacDuff, KA7TTY, was able to get the Purple Air AQI sensor operational again at the Shack. This device is linked to a cloud server over the internet, but failed to come back online when the internet service was restored. It required several troubleshooting attempts to identify a faulty power connector. Thanks to John for working this out.

73, Roger Swann, KK7SX

BEARS Wx Station Needs Work

The weather station, at the BEARS Shack has been in service for a number of years, but has been off line recently and needs an update. The Wx station lives out in the white hutch, located southwest of the shack and is connected via an Ethernet cable that also provides power. The Wx station went off line, a couple years ago, after a major upgrade to the Shack data network. The Wx station interface is not compatible with the new network configuration. The problem is that microcontroller software needs to be modified, but this hardware/software is no longer supported by the manufacturer. There are ongoing discussions as how to re-establish the weather station. One option could be to find a modern replacement microcontroller that would function with the current electro-mechanical data sensors and be compatible with the new network configuration. This would require some software development to make it all work. Another suggestion has been put forth to completely replace the old weather station with one of the Tempest Weather sensors. This system is a small self contained and wireless device that could be installed on the roof of the C-Van and the weather station hutch, could be removed. If a member wants to take on this project and guide the discussion, to come up with a plan for the weather station, please advise the executive board. If you have any idea or comments on the weather station please being them up for discussion, at the next general meeting or send them to any board member.

73, Roger Swann, KK7SX

HF & Contesting Column

As this is written on August 29, solar activity and conditions are moderate. Conditions have been slightly elevated recently with the expectation they will drop in September. Calmer geomagnetic activity is expected going into September. To keep abreast of conditions, search the web for "ARRL Solar Update", which will get you the latest edition. ARRL members can also subscribe to that report.

The Washington Salmon Run Contest is coming up this month. It takes place from 1600 UTC September 19 to 0700 UTC September 20 and from 1600 UTC to 2400 UTC September 20 (9:00 AM PDT to 12:00 PM PDT Saturday and from 9:00 AM PDT to 5:00 PM PDT Sunday). Operation takes place on the 160, 80, 40, 20, 15, 10, and 6-meter bands in CW or Phone modes only and in QRP, low, and high-power categories. Stations may be contacted once on each band and mode for QSO credit. For Washington stations the exchange is RS(T) plus county. Washington stations may claim multipliers for each Washington county, US state, Canadian province, and DXCC entity worked, counted only once. Logs are due two weeks after the contest. Get on the air and enjoy being the station everybody wants to work! See the Salmon Run page at https://salmonrun.wwdxc.org/. Rules are at https://salmonrun.wwdxc.org/rules/.

The CQ Worldwide DX RTTY contest runs from 0000 UTC September 26 to 2359 UTC September 27 (5:00 PM PDT Friday, September 25 to 4:59 PM PDT Sunday). Operation takes place on the 80, 40, 20, 15, and 10-meter bands. The contest exchange is RS(T) report plus CQ zone number. Stations in the continental USA and Canada also send QTH — the two-letter USA state postal abbreviation or Canadian two-letter call area abbreviation. (For example, a Washington station could send 599 03 WA.) Multipliers are CQ zones, DXCC entities, and US states/Canadian call areas including District of Columbia as DC. Alaska (KL7) and Hawaii (KH6) count as DXCC multipliers, not state multipliers. The web site notes two important changes this year. These are a 48-hour log submittal deadline (no later than 2359 UTC September 29, 2026), and a prohibition of autonomous operation. Full details are available at https://www.cqwwrtty.com/.

State QSO parties from 12 September are: Colorado, 12-13; Iowa, 19-20; New Hampshire, 19-20; Texas, 19-20; Washington Salmon Run, 19-20; and Maine, 26-27.

Don Sandstrom, W7VXS

Repeater Report

Tiger Mountain Site Visit (Friday, August 21, 2026)

Infrastructure: Don Sandstrom, W7VXS, and Roger Swann, KK7SX, installed a cable trough inside the shelter, rearranged the associated Ethernet and AC power cables, and improved the labeling.

Grounding & Antennas: Dan Holm, AA7JP added a shark bite grounding clamp and a #6 AWG ground wire to the Mimosa B11 microwave dish facing Ziply Fiber in Everett. He also replaced the improvised mounting clamps on the Meshcore antenna on the side of the radio shelter with stainless steel OEM equivalent versions.

(Continued on page 6)

Repeater Report (cont.)

Equipment Updates

5 GHz Microtik Dish and Modem: This equipment was removed from the tower leg during a previous trip as its function has been replaced by the two Mimosa B11 microwave links. Once Ray Fletcher, KB7VMS, repairs the stress fractures on the mounting bracket, we intend to gift this equipment to the Highline Amateur Radio Club (HARC) for internet access at their McMicken Heights water tower site.

Donation Received: We received a VHF 100-watt Motorola MTR3000 repeater from the Island County 911 organization. It features newer hardware and a more dependable 10 MHz reference signal input. While capable of DMR mode, it will make an excellent analog repeater and may eventually replace the Motorola MTR2000 currently used on 145.33/144.73 MHz repeater.

Facilities, Security, & Site Access

Perimeter Gate: Boeing Kent Facilities installed a permanent replacement padlock on the site perimeter gate to replace the temporary lock used after recent vandalism.

Fence Repairs: Boeing filled in three holes that had been dug under the perimeter fence with concrete and rebar.

Forest Road 4000: The Washington State Department of Natural Resources (DNR) has not imposed any fire danger restrictions so far this summer. High grass in the center of the road remains relatively green. However, the brush adjacent to the road has grown considerably and needs to be trimmed.

Dan Holm, AA7JP
Repeater Chairman



Interior view of the BEARS shelter at Tiger. The arrow points to the location of the new cable trough. Photo by Don Sandstrom, W7VXS.

October 2026

Sun	Mon	Tue	Wed	Thu	Fri	Sat
For a complete list of amateur radio contests see the WA7BNM Contest Calendar at http://www.contestcalendar.com/contestcal.html. For a complete list of amateur radio events see the Pacific Northwest Hamfairs & Events site at http://www.n7cfo.com/amradio/hf/hf.htm.				1 Executive Board 7:00 PM, contact Roger Swann, KK7SX	2	3 General Mtg. 9:00 AM, in the MOF Board Room and online via Zoom California QSO Party Oceania DX Contest, Phone
4 California QSO Party (cont.)	5	6	7	8	9	10 Kitsap County ARC Hamfest, Bremerton * Oceania DX Contest, CW
11	12	13	14	15	16	17 Swaptoberfest, Rickreall, OR. * JARL WW RTTY Contest
18 JARL WW RTTY Contest (Cont.)	19 ARRL School Club Roundup	20	21 Hibernating BEARS 10:00 AM, contact Ray McCaw, KB7OPQ	22	23 CQ Worldwide DX Contest, SSB	24 *BEAR FAX* cut off
25 CQ Worldwide DX Contest, SSB	26	27	28 *BEAR FAX* complete	29	30	31 *BEAR FAX* distributed ARRL EME Contest

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

Pat Texeira, W7CBJ, SK

The BEARS have received notice that member Patrick Texeira, W7CBJ, became a silent key in mid-February 2026. He is survived by his wife, Linda, KF7BOK, and his daughter, Patty, KD7PSP, both of whom are BEARS members.

Larry Hughes, WA7GOK

Boeing Amateur Radio Clubs

BEARS — Huntington Beach.— K6NX
POC: Dan Minear N6RDK dan@minear.name

BEARS — Seattle — K7NWS
www.k7nws.com

BEARS — St. Louis — W0MA
www.w0ma.org
POC: Dave Propper K2DP k2dp@charter.net

BEARS PA — K3BA
POC: Neil Blaho AA3EO aa3eo1@verizon.net

HouBEARS – Houston (Pasadena) TX – W5BOE
POC: Jack Gafford KB5GNA gafways@comcast.net

2026 Executive Board

POSITION	NAME	CALL	PHONE	E-MAIL ADDRESS	LOCATION
President	Roger Swann	KK7SX	253-941-0935	kk7sx@arrl.net	Auburn
Vice President	John MacDuff	KA7TTY	206-276-6759	ka7tty@arrl.net	Issaquah
Treasurer	Abigail Chang	KD7PWJ	206-276-6759	abby@pnwjc.com	Seattle
Secretary	Steve Barrett	N7NTE	206-693-0393	sebtsea@gmail.com	Seattle
Trustee	Don Sandstrom	W7VXS	206-550-4148	w7vxs@arrl.net	Mercer Island

2026 Standing Committees

POSITION	NAME	CALL	PHONE	E-MAIL ADDRESS	LOCATION
Facilities/Historian/ Field Day	Ray McCaw	KB7OPQ	253-891-1353	kb7opq@comcast.net	Bonney Lake
Membership	Paul Fullmer	AC7UT	208-709-0556	c7ranch@atcnet.net	Mackay, ID
Repeater	Dan Holm	AA7JP	425-802-3047	dan.holm.aa7jp@gmail.com	Redmond

2026 Special Committees

POSITION	NAME	CALL	PHONE	E-MAIL ADDRESS	LOCATION
Satellite	Stu Tracy	N7RVF	425-228-1765	n7rvf@aol.com	Renton
HF & Contesting	Don Sandstrom	W7VXS	206-550-4148	w7vxs@arrl.net	Mercer Island
MOF EOC Support	*Please Volunteer*				
QRP Group	*Please Volunteer*				
Librarian	Ray McCaw	KB7OPQ	253-891-1353	kb7opq@comcast.net	Bonney Lake
Meeting Zoom Operator	Steve Barrett	N7NTE	206-693-0393	sebtsea@gmail.com	Seattle
Newsletter	Larry Hughes	WA7GOK	360-432-0689	handlhughes@aol.com	Shelton
Newsletter Proof Readers	Steve Barrett Roger Swann Chuck McGregor	N7NTE KK7SX K7MCG	206-693-0393 206-550-4148 206-242-4172	sebtsea@gmail.com kk7sx@arrl.net cbmcgr@gmail.com	Seattle Auburn Burien
Newsletter distribu-tion	Steve Barrett	N7NTE	206-693-0393	sebtsea@gmail.com	Seattle
Web Pages	John MacDuff Gary Arensdorf	KA7TTY KI7RAV	206-276-6759 253-414-5278	ka7tty@arrl.net gary.arensdorf@gmail.com	Issaquah Enumclaw
Direction Finding	Ray Fletcher	KB7VMS	206-935-6564	kb7vms@comcast.net	Seattle
10-meter Beacon	*Please Volunteer*				
QSL Manager	Don Sandstrom	W7VXS	206-550-4148	w7vxs@arrl.net	Mercer Island
Radio Recycling	Chuck McGregor	K7MCG	206-242-4172	cbmcgr@gmail.com	Burien

2026 Repeater Control Operators

POSITION	NAME	CALL	PHONE	E-MAIL ADDRESS	LOCATION
Operator	Ray Fletcher	KB7VMS	206-935-6564	kb7vms@comcast.net	Seattle
Operator	Stu Tracy	N7RVF	425-228-1765	n7rvf@aol.com	Renton
Operator	Ray McCaw	KB7OPQ	253-891-1353	kb7opq@comcast.net	Bonney Lake
Operator	Ben Norton	KG7AIM	425-802-5999	kg7aim@gmail.com	Fall City
Operator	Dan Holm	AA7JP	425-802-3047	dan.holm.aa7jp@gmail.com	Redmond

BEARS Membership Application. **Valid for Year 2026 Memberships Only.**

Name _____, Date _____
Call _____, Class of License _____, Expires _____
Street _____
City _____, State _____, ZIP _____
Phone (Not Boeing) _____ (___) Wired, (___) Cell. Check if you do not want it published (___)
E-mail Address (Not Boeing) _____
"HamShack Hotline" phone number (optional) _____
BEMSID _____ 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.

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
____ Vendor Annual dues $15: ____ Vendor family member Annual dues $3
(Family members must be spouse or dependent child of primary member **and must sign a separate application**)
____ 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)
____ Donation: $_____. See "Information for Donors" at www.k7nws.org.

➔ Newsletter distribution option: ____ E-mail with .pdf attachment, ____ E-mail with Web availability notification

The BEARS club is making a **one time only** offer of a free BEARS Badge with your new membership, **OR,** if you have never had a BEARS Badge, with your membership renewal. If you are eligible for a free BEARS Badge according to the above and want one, fill in the information below as you want it to appear on the badge. If you are not eligible for a free BEARS Badge, you may purchase one by contacting the Club Treasurer.

The badges are Bear shaped and have white text engraved on a black surface.
First name or nickname (room is limited, keep it short) _____, Call sign _____
Choose the kind of attachment you want: "Safety pin" - like the old BEAR badges....____
"Military" - post and clip, like military and scouting insignia .____
"Bulldog" - like old Boeing badges ....____

Primary ham radio interests:

Operating ____ HF CW/SSB, ____ HF Digital (AMTOR, RTTY, FT4/8, etc.), ____ VHF/UHF CW/SSB, ____ VHF/UHF FM, ____ VHF/UHF Digital, ____ Satellite/EME, ____ SSTV/ATV, ____ QRP

Club Activities ____ Field Day (June): ____ Attend, ____ Operate, ____ Help setup/cleanup
____ Public Service events, ____ Transmitter hunts / DFing, ____ Contesting/operating events,
____ Experimenting/Homebrew, ____ Facilities (Maintenance/expansion), ____ HF,
____ VHF/UHF Repeaters/links, ____ Digital modes, ____ Club Computer Maintenance,
____ Parts Recycling, ____Meeting A/V Support, ____ MOF Volunteer, ____ BACS Volunteer

Club Leadership: ____ Elected office, ____ Committee chair/member, ____ Newsletter 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 an 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 AGREEMENT 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 check and this completed and signed form to "BEARS / Museum of Flight / 9404 E. Marginal Way South / Seattle, WA 98108".